



Post Office Box 2000, Decatur, Alabama 35609-2000

May 15, 2023

10 CFR 50.4

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: **2022 Annual Radiological Environmental Operating Report**

In accordance with the Browns Ferry Nuclear Plant Technical Specification 5.6.2 and Offsite Dose Calculation Manual Administrative Control Section 5.1, the Tennessee Valley Authority is submitting the 2022 Annual Radiological Environmental Operating Report for Browns Ferry Nuclear Plant, Units 1, 2, and 3. Enclosed is the subject report for the period of January 1, 2022, through December 31, 2022.

There are no new regulatory commitments contained within this letter. If you have any questions, please contact C. L. Vaughn at (256) 729-2636.

Respectfully,

A handwritten signature in black ink, appearing to be 'M. Sivaraman', written in a cursive style.

M. Sivaraman
Site Vice President

Enclosure: 2022 Annual Radiological Environmental Operating Report

cc (w/ Enclosures):

NRC Regional Administrator - Region II
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant
NRC Project Manager - Browns Ferry Nuclear Plant

ENCLOSURE

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

2022 Annual Radiological Environmental Operating Report

See Enclosed



Tennessee Valley Authority Browns Ferry



2022

Annual Radiological Environmental
Operating Report

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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 5% 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. SPDES: State Pollution Discharge Elimination System
25. NRC: Nuclear Regulatory Commission
26. ODCM: Offsite Dose Calculation Manual
27. OSLD: Optical Stimulated Luminance Dosimeter
28. pCi/L: picocuries / Liter
29. Protected Area: An area encompassed by physical barriers and to which access is controlled
30. PWR: Pressurized Water Reactor
31. REMP: Radiological Environmental Monitoring Program
32. 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.
33. SLC: Selected Licensee Commitment
34. SA: Sample Anomalies
35. SD: Sample Deviation
36. SPDES: State Pollutant Discharge Elimination System
37. SW: Surface Water
38. TLD: Thermoluminescent Dosimeter
39. TRM: Technical Requirement Manual

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Company: Tennessee Valley Authority	Plant: Browns Ferry	

- 40. TS: Technical Specification
- 41. US: Unavailable Samples

2.0 Executive Summary

Browns Ferry Nuclear (BFN) 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 BFN 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 BFN for the reporting period of January 1st through December 31st, 2022. During that time period 1540 analyses were performed on 1285 samples. In assessing all the data gathered for this report and comparing these results with preoperational data, it was concluded that the operation of BFN 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 BFN. 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. The REMP is designed to conform to Nuclear Regulatory Commission (NRC) Regulatory Guide 4.1 [3], NUREG 1301/1302 [4] [5], and the 1979 NRC Branch Technical Position [6].

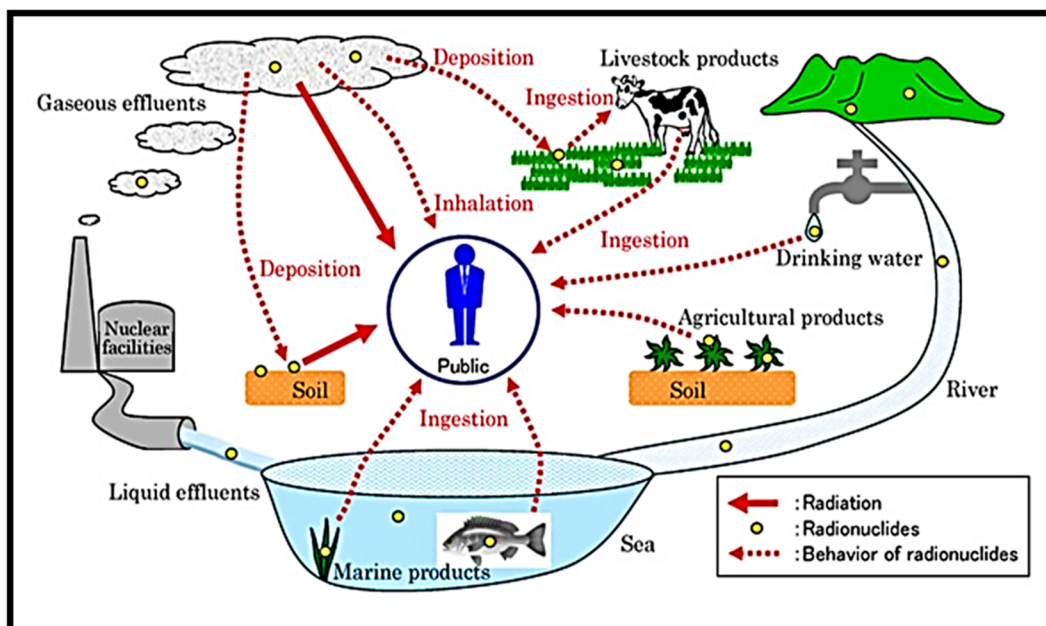


Figure 1, Potential exposure pathways to Members of the Public due to Plant Operations [7]

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 BFN Technical Specifications and Offsite Dose Calculation Manual (ODCM). 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

Browns Ferry is a three unit boiling water reactor (1310 MWe each) site. Unit 1 achieved criticality on August 17, 1973, and began commercial operation on August 1, 1974. Unit 2 began commercial operation on March 1, 1975. A fire in the cable trays on March 22, 1975, forced the shutdown of both reactors. Units 1 and 2 resumed operation and Unit 3 began testing in August 1976. Unit 3 began commercial operation on March 1, 1977.

All three units were shut down from March 1985 to May 1991. Unit 2 was restarted May 24, 1991 and Unit 3 restarted on November 19, 1995. Recovery work for Unit 1 was completed and the unit was restarted on May 22, 2007.

BFN is located on the north shore of Wheeler Reservoir at Tennessee River Mile (TRM) 294 in Limestone County in north Alabama. Wheeler Reservoir averages 1 to 1-1/2 miles in width in the vicinity of the plant. The BFN site contains approximately 880 acres. The dominant character of land use is small, scattered villages and homes in an agricultural area. Many relatively large farming operations occupy much of the land on the north side of the river immediately surrounding the plant. The principal crops grown in the area are corn and cotton.

Approximately 1,397 people live within a 5-mile radius of the plant. The town of Athens has a population of about 29,500 and is approximately 10 miles northeast of BFN. Approximately 52,250 people live in the city of Decatur 10 miles southeast. The cities of Madison and Huntsville have a combined population of approximately 227,000 starting 20 miles east of the site.

Area recreation facilities are developed along the Tennessee River. The nearest facilities are public use areas located 2 to 3 miles from the site. The city of Decatur has a large municipal recreation area, Point Mallard Park, approximately 15 miles upstream of the site. The Tennessee River is also a popular sport fishing area.

BFN 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 samples collected are captured in the following tables and figures:

- Table 1, Radiological Environmental Sampling Program – Exposure Pathway – Direct Radiation
- 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 1, Potential exposure pathways to Members of the Public due to Plant Operations [7]
- 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 – Direct Radiation

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/ Frequency	Type and Frequency of Analyses
<p><u>Direct Radiation</u> 40 locations with 2 dosimeters 2 or more dosimeters placed at or near the site boundary in each of the 16 sectors. 2 or more dosimeters placed at stations located approximately 5 miles from the plant in each of the 16 sectors. 2 or more dosimeters in at least 8 additional locations of special interest, including at least 2 control stations.</p>	<p align="center">See Table 5</p>	<p align="center">At least once per 92 days</p>	<p align="center">Gamma dose 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> Samples from {11} locations:</p> <p>6 samples from locations (in different sectors) at or near the site boundary (LM-1, LM-2, LM-3, LM-4, LM-6 and LM-7)</p> <p>3 samples from communities approximately 10 miles from plant (PM-1, PM-2 and PM-3)</p> <p>2 samples from control locations > 10 miles from the plant (RM-1 and RM-6)</p>	<table border="0"> <tr> <td>LM-1</td> <td>1 miles</td> <td>NNW</td> </tr> <tr> <td>LM-2</td> <td>0.9 miles</td> <td>NNE</td> </tr> <tr> <td>LM-3</td> <td>0.9 miles</td> <td>ENE</td> </tr> <tr> <td>LM-4</td> <td>1.7 miles</td> <td>NNW</td> </tr> <tr> <td>PM-1 Rogersville, AL</td> <td>13.8 miles</td> <td>NW</td> </tr> <tr> <td>PM-2 Athens, AL</td> <td>10.9 miles</td> <td>NE</td> </tr> <tr> <td>PM-3 Decatur/Trinity, AL</td> <td>7.5 miles</td> <td>SSE</td> </tr> <tr> <td>RM-1 Muscle Shoals, AL</td> <td>31 miles</td> <td>W</td> </tr> <tr> <td>LM-6</td> <td>3 miles</td> <td>SSW</td> </tr> <tr> <td>LM-7</td> <td>2.1 miles</td> <td>W</td> </tr> <tr> <td>RM-6 Madison, AL</td> <td>23.4 miles</td> <td>E</td> </tr> </table>	LM-1	1 miles	NNW	LM-2	0.9 miles	NNE	LM-3	0.9 miles	ENE	LM-4	1.7 miles	NNW	PM-1 Rogersville, AL	13.8 miles	NW	PM-2 Athens, AL	10.9 miles	NE	PM-3 Decatur/Trinity, AL	7.5 miles	SSE	RM-1 Muscle Shoals, AL	31 miles	W	LM-6	3 miles	SSW	LM-7	2.1 miles	W	RM-6 Madison, AL	23.4 miles	E	<p>Continuous sampler operation with sample collection at least once per 7 days (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 scan on each sample.</p>
LM-1	1 miles	NNW																																		
LM-2	0.9 miles	NNE																																		
LM-3	0.9 miles	ENE																																		
LM-4	1.7 miles	NNW																																		
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LM-7	2.1 miles	W																																		
RM-6 Madison, AL	23.4 miles	E																																		
<p><u>Soil</u></p> <p>Samples from same 11 locations as air samples</p>	See Above	Annually	Gamma spectroscopy, Sr-89, Sr-90																																	

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

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/Frequency	Type and Frequency of Analyses
<p><u>Surface Water</u></p> <p>1 sample upstream (control) and 1 sample downstream (indicator)</p>	<p>TRM 306 Decatur (control) 12 miles</p> <p>TRM 293.5 (indicator) 0.5 miles</p>	<p>Collected by automatic sequential-type sampler with composite samples collected at least once per 31 days.</p>	<p>Gamma scan at least once per 31 days.</p> <p>Composite for tritium at least once per 92 days.</p>
<p><u>Drinking Water</u></p> <p>1 sample upstream (control) and 1 sample at first potable surface water downstream (indicator).</p> <p>3 Additional samples downstream.</p>	<p>TRM 306 Decatur (control) 12 miles</p> <p>TRM 286.5 West Morgan-East Lawrence Water Authority 7.5 miles</p> <p>TRM 274.9 Wheeler Dam 19.1 miles</p> <p>TRM 259.8 Florence 34.2 miles</p> <p>TRM 259.6 Muscle Shoals 34.4 miles</p>	<p>Collected by automatic sequential-type sampler with composite sample collected at least once per 31 days.</p> <p>Additional grab samples taken from the water supply at a facility using water from the public supply being monitored. Sample collected at least once per 31 days.</p>	<p>Gross beta and gamma scan at least once per 31 days.</p> <p>Composite for tritium analysis at least once per 92 days.</p>
<p><u>Groundwater</u></p> <p>1 sample at control location upgradient from the plant and 1 indicator sample adjacent to the plant.</p>	<p>Brooks Farm (control) 6.8 miles</p> <p>Well 6R 0.12 miles</p>	<p>Control grab sample taken at least once per 31 days.</p> <p>Collected by automatic sequential-type sampler with composite samples collected at least once per 31 days.</p>	<p>Composite for gamma scan and tritium at least once per 92 days.</p>
<p><u>Sediment from Shoreline</u></p> <p>1 sample upstream (control) and 2 samples downstream (indicator)</p>	<p>TRM 305 Decatur (control) 12 miles</p> <p>TRM 293 Mallard Creek Rec Area 1 mile</p> <p>TRM 279.5 Joe Wheeler State Park 14.5 miles</p>	<p>Semi-Annually (at least once per 184 days)</p>	<p>Gamma scan of each sample</p>

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><u>Milk</u></p> <p>1 sample from milking animals within 8km.</p> <p>1 sample from milking animals at a control location 15 to 30 km distant.</p>	<p>N/A</p> <p>Currently there are no milking animals within 8 km of the plant, so milk sampling is not performed</p>	<p>At least once per 15 days when animals are on pasture; at least once per 31 days at other times</p>	<p>Gamma scan and I-131 on each sample. Sr-89 and Sr-90 at least once per 92 days</p>
<p><u>Fish</u></p> <p>2 samples of each commercially and recreationally important species in vicinity of site discharge.</p> <p>2 samples of same species in areas not influenced by plant discharge.</p>	<p>TRM 349-424, Guntersville Reservoir (control)</p> <p>TRM 275-349, Wheeler Reservoir</p>	<p>Semi-Annually (at least once per 184 days)</p>	<p>Gamma scan on edible portions</p>
<p><u>Food Products</u></p> <p>Samples of food crops such as greens, corn, green beans, tomatoes and potatoes 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 from the plant.</p>	<p>Various</p>	<p>At least once per year at time of harvest.</p>	<p>Gamma scan on edible portions</p>

Table 5, REMP Sampling Locations – Direct Radiation

Site #	Location Type	Sector	Distance (miles)	Description
1	Special Interest	NW	13.8	PM-1 BF Rogersville
2	Special Interest	NE	10.9	PM-2 BF Athens
3	Special Interest	SSE	7.5	PM-3 BF Trinity
5	Control	W	31.0	RM-1 BF WARL
6	Control	E	23.1	RM-6 BF Madison
7	Special Interest	NNW	1.0	LM-1 BFN
8	Inner Ring	NNE	0.9	#12 near LM-2 BFN
9	Inner Ring	ENE	0.9	#1 E. LM-3 BFN
10	Special Interest	NNW	1.7	LM-4 BFN
38	Outer Ring	N	5.0	Smith Dairy
39	Inner Ring	NNE	0.7	#10 N. Browns Ferry Rd
40	Outer Ring	NNE	5.2	7 Mile Post Rd
41	Inner Ring	NE	0.8	#9 S Browns Ferry Rd
42	Outer Ring	NE	5.0	West of Reid
43	Outer Ring	ENE	6.2	Looney Dairy
44	Inner Ring	E	0.8	#5 LLRW

Table 5, REMP Sampling Locations – Direct Radiation

Site #	Location Type	Sector	Distance (miles)	Description
45	Outer Ring	E	5.2	Lindsey Rd/Malone Cemetery
46	Inner Ring	ESE	0.9	#27 behind EDS
47	Outer Ring	ESE	3.0	Cowford Rd
48	Inner Ring	SE	0.5	East of Training Center
49	Outer Ring	SE	5.4	Finley Island Road
50	Outer Ring	SSE	5.1	Sewell Road Lewis Lane
51	Inner Ring	S	3.1	Baker Bottom Rd
52	Outer Ring	S	4.8	Hwy 20, 1 mile W County line
53	Inner Ring	SSW	3.0	Baker Bottom Rd/Fish Pond Rd
54	Outer Ring	SSW	4.4	Old Hwy 20/Fish Pond Rd
55	Inner Ring	SW	1.9	#55 South River Bank
56	Outer Ring	SW	4.7	Mallard Creek Rd/Hwy 20
58	Inner Ring	WSW	2.7	LM-5 BF, Davis Farm
59	Outer Ring	WSW	5.1	BF Rd/Graves Cemetery
60	Special Interest	WSW	10.5	PM-4 BF Courtland
61	Inner Ring	W	1.9	Lakeview

Table 5, REMP Sampling Locations – Direct Radiation

Site #	Location Type	Sector	Distance (miles)	Description
62	Outer Ring	W	4.7	1.5 miles North WSW-2
64	Inner Ring	WNW	3.3	Terry Farm
65	Outer Ring	WNW	4.4	Farrior Kennels
66	Inner Ring	NW	2.2	Poplar Creek
67	Outer Ring	NW	5.3	Coxey Creek
68	Inner Ring	NNW	1.0	Paradise Shores, South
69	Outer Ring	NNW	5.2	Ripley Rd
75	Inner Ring	N	1.0	LM-1 Road Entrance

5.0 MAPS OF COLLECTION SITES

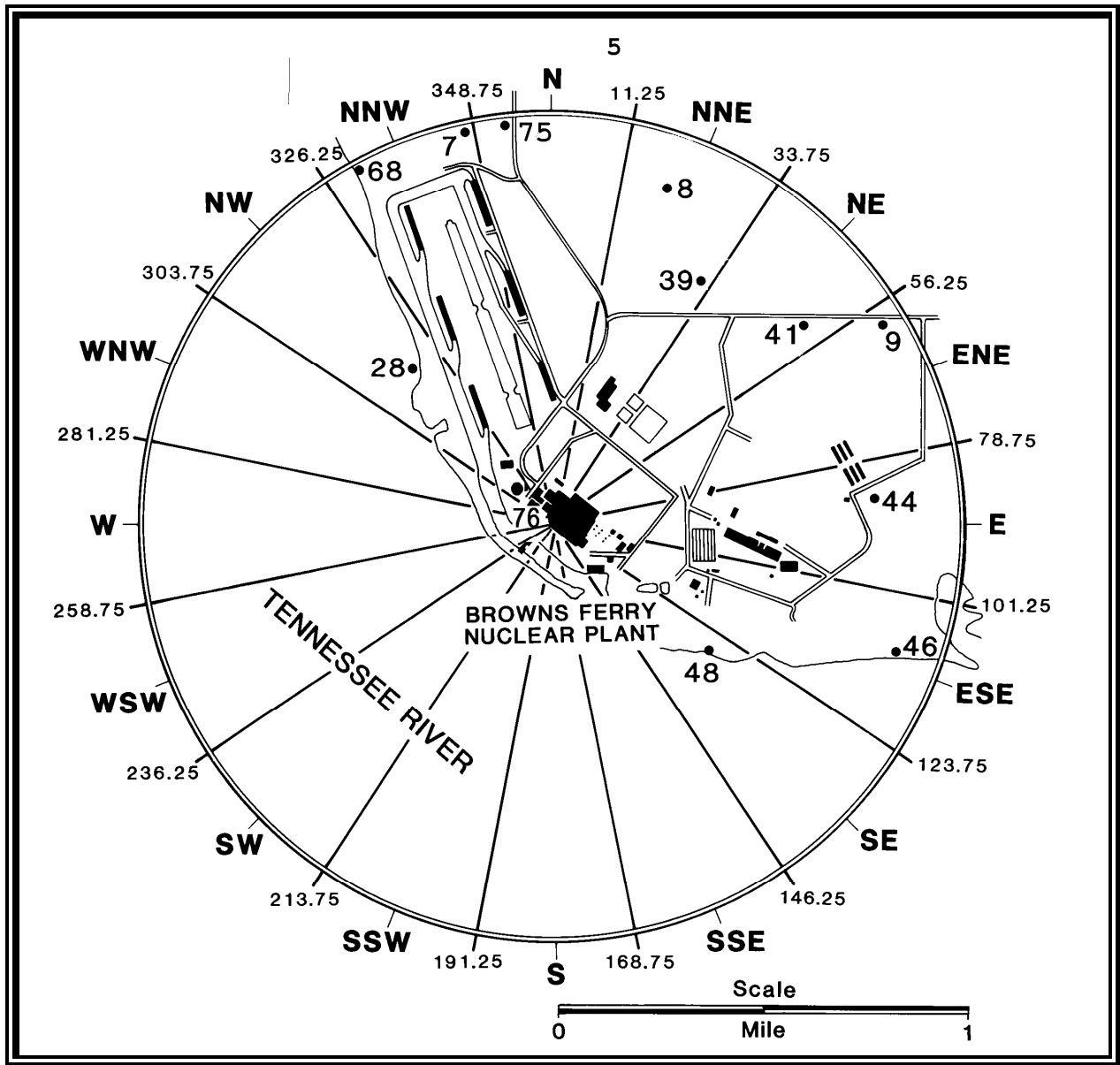


Figure 2, REMP Sample Locations (Near Field/Site Boundary)

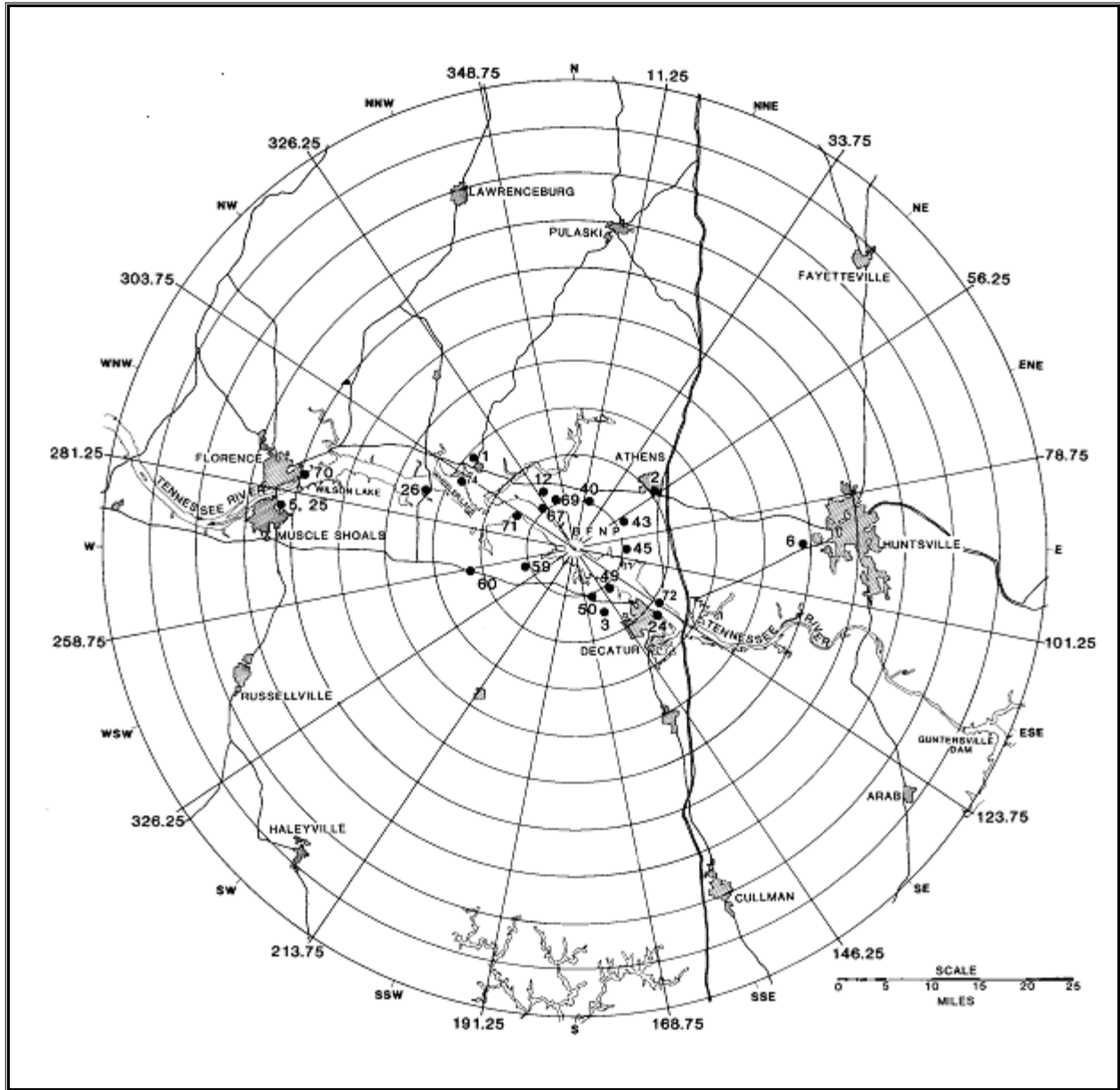


Figure 3, REMP Sample Locations (Far Field)

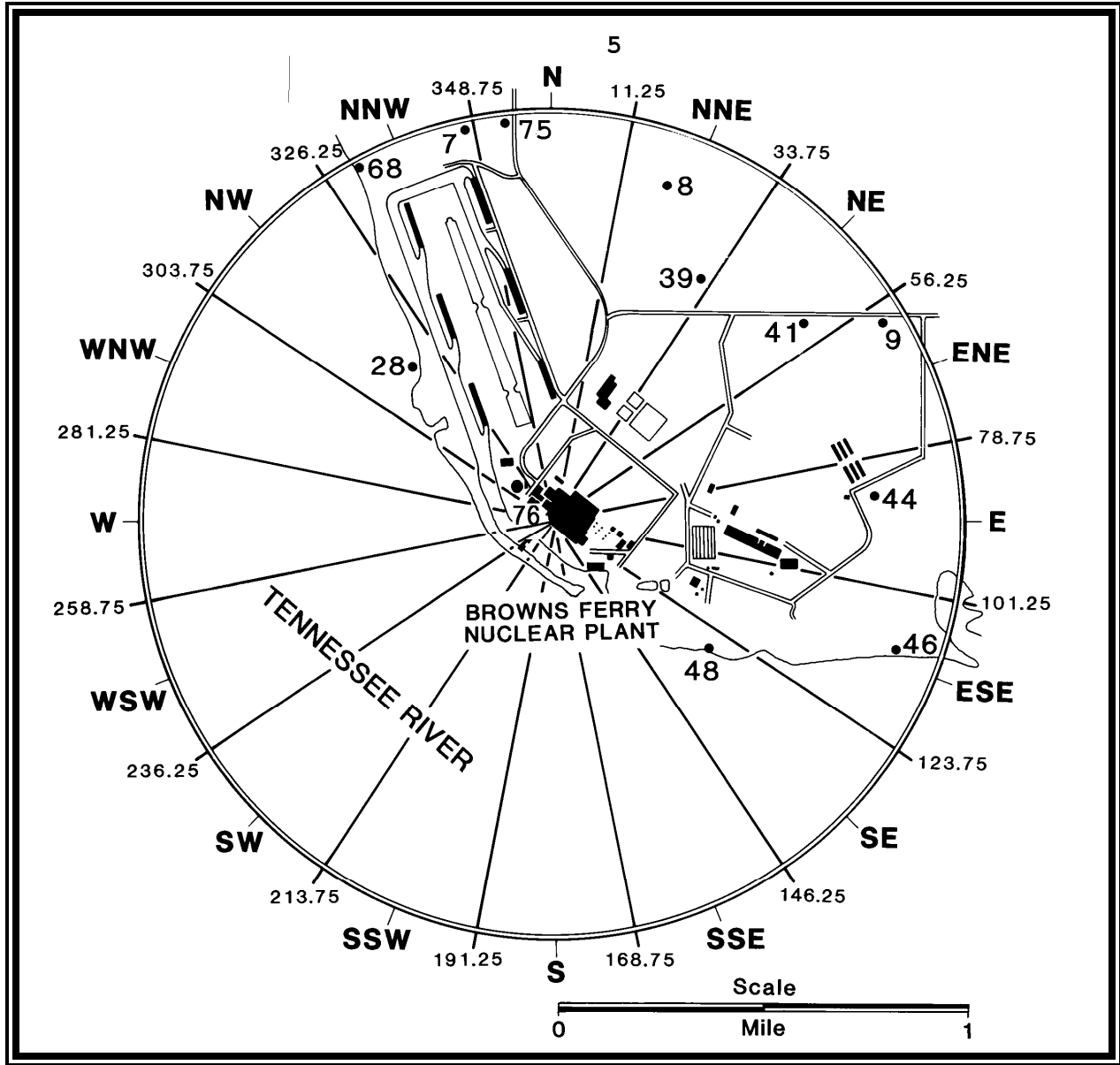


Figure 4, REMP Sample Locations (Onsite)

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-95	30	NA	NA	NA	NA	NA
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-140	60	NA	NA	60	NA	NA
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.

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

7.0 SAMPLING PROGRAM, PROGRAM MODIFICATION AND INTERPRETATION 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 ANSI/HPS N13.37-2014 [20], 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. MDD is calculated based on performance of the dosimetry system in the environment and is ideally about 5 mrem per quarter and 10 mrem per year. Browns Ferry data, however, indicate a greater 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 320 samples were collected and analyzed in accordance with the requirements in Table 1, Radiological Environmental Sampling Program – Exposure Pathway – Direct Radiation. 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. The environmental dosimetry program is conducted in accordance with the specifications outlined in American National Standards Institute (ANSI) and Health Physics Society (HPS) ANSI/HPS N13.37-2014 for environmental applications of dosimeters.

Beginning in 2021, the BFN environmental dosimeters are evaluated in compliance with 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 was determined for each monitoring location, based on data from 2017 – 2021.
4. The standard deviation of each historical net dose was calculated, to determine the 90th percentile standard deviation for both the quarterly and annual results.
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 Browns Ferry. There were no quarterly or annual dosimeters that exceeded the historical baseline plus the calculated minimum differential dose.

7.2 Airborne Pathway Sample Results

7.2.1 Air Particulate and Radioiodine Sample Results

Air particulate filters and charcoal canisters were collected from locations specified in Table 2, Radiological Environmental Sampling Program – Exposure Pathway - Airborne. During calendar year 2022, a total of 1144 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. 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 sample trends.

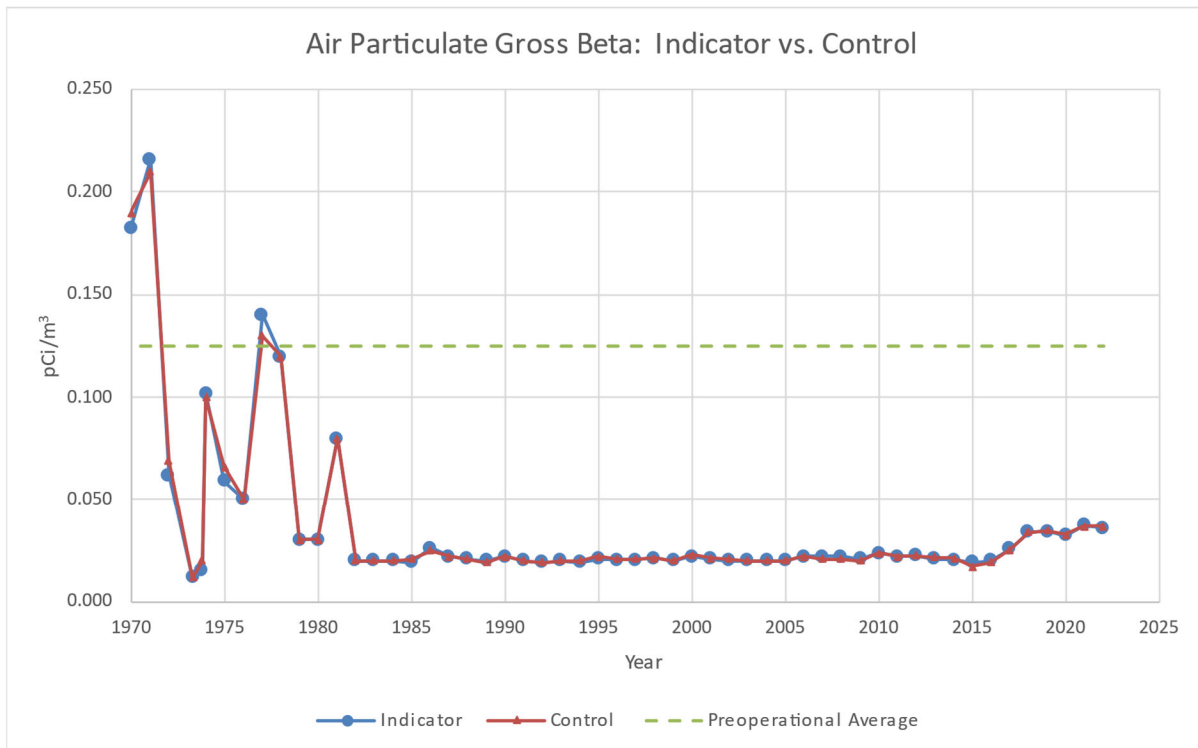


Figure 5: Air Particulate: Analysis for Gross Beta, Average Mean for All Indicator Vs. Control

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 in the baseline. Beginning in 2017 the calibration source was changed to Tc-99 (from Sr-90), accounting for the increase in beta air particulate results.

7.2.2 Soil

Soil samples were collected from locations specified in Table 2, Radiological Environmental Sampling Program – Exposure Pathway - Airborne. During this calendar year 2022, a total of 11 samples were collected and analyzed for gamma emitters and Sr-89/90.

The gamma analysis of soil samples detected Cs-137 at eight indicator and one control location. 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 an indicator location sample at 241 pCi/kg 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.

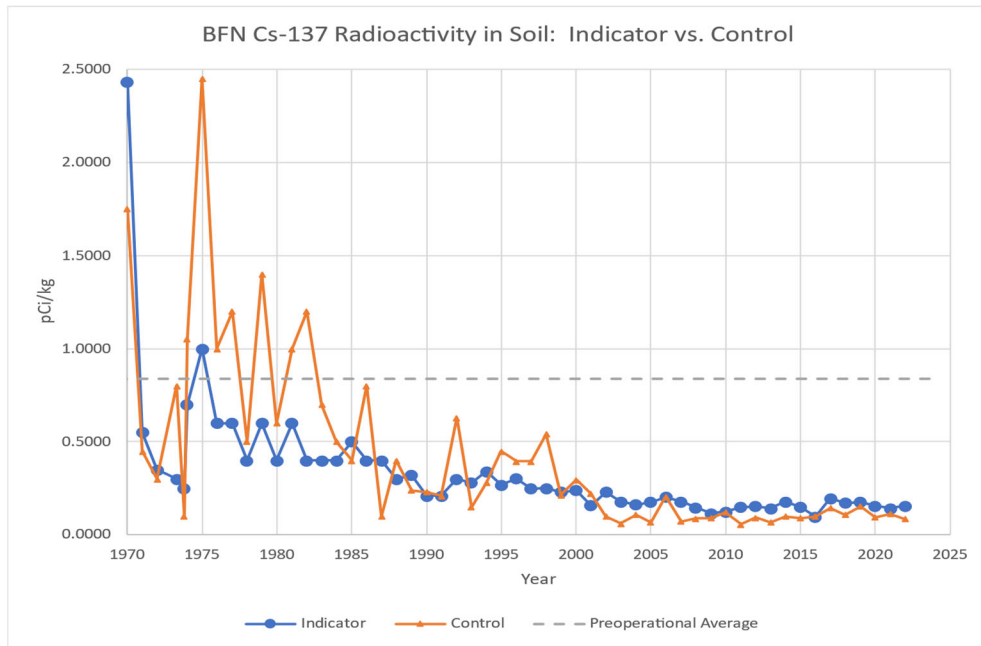


Figure 6, Soil Cs-137 Radioactivity, Indicator vs. Control

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 location. Monthly composite samples are analyzed for gamma emitters. Aliquots from the monthly composites are combined to form a quarterly composite which is then analyzed for tritium. During this calendar year 2022, a total of 26 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 or tritium analysis.

7.3.2 REMP Groundwater (Offsite Impact Monitoring)

Groundwater samples were collected from a control location upgradient from the plant and an indicator location from the plant. Monthly samples are collected then composited and analyzed quarterly for gamma radionuclides and tritium. During this calendar year 2022, a total of 8 groundwater 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.

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 groundwater samples.

7.3.3 Drinking Water

A total of 65 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. No radionuclides were identified by the gross beta analysis, and tritium was not identified.

7.3.4 Sediment from Shoreline

Shoreline sediment collections were made in April and October 2022 and analyzed for gamma-emitting isotopes. A total of six samples were taken at two 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. One sample from an indicator location identified Cs-137 at 58.5 pCi/kg. Shoreline sediment samples occasionally identify Cs-137, and this level of radioactivity is consistent with previous sample results. This is not related to BFN plant operations.

7.4 Ingestion Pathway Sample Results

7.4.1 Fish and Invertebrates

A total of 8 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 17 food samples were analyzed in 2022, for gamma emitting radionuclides in accordance with requirements of the ODCM, as summarized in Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion. The food products are crops raised by individual gardens in the area near the plant, and similar products grown in areas not affected by the plant. The food products include tomatoes, apples, potatoes, cabbage, corn and beans.

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

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 five 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 BFN REMP.

Table 8: Land Use Census

Sector	Direction	Nearest Residence (meters)	Nearest Garden (meters)	Nearest Milk Animal (meters)
1	N	2440	6300	-
2	NNE	2620	6140	-
3	NE	2020	4290	-
4	ENE	2510	5010	-
5	E	1410	1530	-
6	ESE	1750	1980	-
7	SE	-	-	-
8	SSE	-	-	-
9	S	4540	5700	-
10	SSW	4160	4880	-
11	SW	4940	7400	-
12	WSW	4040	4330	-
13	W	2660	7450	-
14	WNW	4400	-	-
15	NW	3150	-	-
16	NNW	1650	4350	-

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 TLDs/OSLDs, contamination of samples 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).

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“Sample Unavailability” is defined as sample collection with no available sample (i.e., food crop, TLD).

All required samples were collected and analyzed as scheduled. There were no sample deviations, sample anomalies or unavailable samples in 2022.

10.0 OTHER SUPPLEMENTAL INFORMATION

10.1 NEI 07-07 Onsite Radiological Groundwater Monitoring Program

Browns Ferry has developed a Groundwater Protection Initiative (GPI) program in accordance with NEI 07-07, Industry Groundwater 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 reported in the Annual Radioactive Effluent Release Report (ARERR).

10.2 Corrections to Previous Reports

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

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Attachment 1, Data Table Summary

Medium or Pathway Sampled (Units)	Type, Total Number of Analyses performed	Lower Limit of Detection (LLD)	Indicator Mean ⁵ ; Range (f ⁶)	Location with Highest Annual Mean		Control Mean Range (f)	Number of Nonroutine Reported Measurements
				Name Distance and Direction	Mean Range (f)		
Air Particulates (pCi/m ³)	Gross Beta, 572	0.01	0.036 (468/468) 0.017 – 0.081	RM-1 (control) 31.0 miles W	0.038 (52/52) 0.019-0.067	0.037 (104/104) 0.019 – 0.067	0
	Gamma Isotopic, 143	Various	< LLD (0/143) N/A	N/A	N/A	< LLD (0/26) N/A	0
Airborne Radioiodine (pCi/m ³)	I-131, 572	0.07	< LLD (468/468) N/A	N/A	N/A	< LLD (104/104) N/A	0
Direct Radiation (mR/Qtr.)	Gamma Dose, 320	N/A	< MDD	N/A	N/A	< MDD	0
Soil (pCi/kg)	Gamma Isotopic, 11	Various	< LLD (0/9)	N/A	N/A	< LLD (0/2)	0
	Cs-137, 11	180	155 (8/9) 67 – 241	PM-2 10.9 miles NE	241 (1/1) 241 - 241	88 (1/2) 88 - 88	0
	Sr-89, 11	N/A	< LLD (0/9) N/A	N/A	N/A	< LLD (0/2) N/A	0
	Sr-90, 11	N/A	< LLD (0/9) N/A	N/A	N/A	< LLD (0/2) 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	Lower Limit of Detection (LLD)	Indicator Mean ⁵ ; Range (f ⁶)	Location with Highest Annual Mean		Control Mean Range (f)	Number of Nonroutine Reported Measurements
				Name Distance and Direction	Mean Range (f)		
Food Products (pCi/kg)	Gamma Isotopic, 17	Various	< LLD (0/9) N/A	N/A	N/A	< LLD (0/8) N/A	0
Surface Water (pCi/L)	Gamma Isotopic, 26	Various	< LLD (0/13) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Tritium, 8	2000	< LLD (0/4) N/A	N/A	N/A	< LLD (0/4) N/A	0
Drinking Water (pCi/L)	Gross Beta, 65	4.0	< LLD (0/52) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Gamma Isotopic, 65	Various	< LLD (0/52) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Tritium, 20	2000	< LLD (0/16) N/A	N/A	N/A	< LLD (0/4) N/A	0
Ground Water (pCi/L)	Gamma Isotopic, 8	Various	< LLD (0/4) N/A	N/A	N/A	< LLD (0/4) N/A	0
	Tritium, 8	2000	< LLD (0/4) N/A	N/A	N/A	< LLD (0/4) N/A	0
Fish (pCi/kg-wet)	Gamma Isotopic, 8	Various	< LLD (0/4) 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

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

Table 9: Complete REMP Results – Air Particulate (pCi/m ³)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	571510003	1/24/2022	Actinium-228	1.60E-03	9.65E-04	3.83E-03	pCi/m3	U
1101	574141004	2/21/2022	Actinium-228	5.40E-03	4.11E-03	7.86E-03	pCi/m3	U
1101	578170003	3/21/2022	Actinium-228	-1.98E-03	1.06E-03	3.18E-03	pCi/m3	U
1101	582160004	4/18/2022	Actinium-228	-9.25E-05	1.12E-03	3.57E-03	pCi/m3	U
1101	585159004	5/16/2022	Actinium-228	3.39E-03	1.44E-03	4.55E-03	pCi/m3	U
1101	587304004	6/13/2022	Actinium-228	1.92E-03	1.30E-03	4.73E-03	pCi/m3	U
1101	592750004	7/11/2022	Actinium-228	-7.00E-04	9.65E-04	2.86E-03	pCi/m3	U
1101	592751004	8/8/2022	Actinium-228	3.23E-04	1.25E-03	3.58E-03	pCi/m3	U
1101	600035004	9/5/2022	Actinium-228	5.12E-04	3.08E-03	7.72E-03	pCi/m3	U
1101	600037004	10/3/2022	Actinium-228	-5.90E-04	9.81E-04	3.11E-03	pCi/m3	U
1101	606085004	10/31/2022	Actinium-228	-1.52E-03	9.77E-04	3.04E-03	pCi/m3	U
1101	606539004	11/28/2022	Actinium-228	1.80E-04	1.39E-03	4.25E-03	pCi/m3	U
1101	609493004	12/26/2022	Actinium-228	1.03E-03	1.79E-03	3.86E-03	pCi/m3	U
1101	571510003	1/24/2022	Americium-241	-1.72E-04	2.19E-04	6.97E-04	pCi/m3	U
1101	574141004	2/21/2022	Americium-241	-7.05E-04	6.44E-04	2.14E-03	pCi/m3	U
1101	578170003	3/21/2022	Americium-241	4.19E-05	7.55E-04	2.35E-03	pCi/m3	U
1101	582160004	4/18/2022	Americium-241	6.91E-04	6.03E-04	2.00E-03	pCi/m3	U
1101	585159004	5/16/2022	Americium-241	-2.02E-04	6.48E-04	2.11E-03	pCi/m3	U
1101	587304004	6/13/2022	Americium-241	-7.34E-04	1.10E-03	3.60E-03	pCi/m3	U
1101	592750004	7/11/2022	Americium-241	9.55E-05	4.64E-04	1.48E-03	pCi/m3	U
1101	592751004	8/8/2022	Americium-241	-3.20E-04	6.25E-04	2.03E-03	pCi/m3	U
1101	600035004	9/5/2022	Americium-241	-4.37E-04	6.61E-04	2.17E-03	pCi/m3	U
1101	600037004	10/3/2022	Americium-241	-5.82E-04	8.33E-04	2.32E-03	pCi/m3	U
1101	606085004	10/31/2022	Americium-241	4.18E-04	5.05E-04	1.75E-03	pCi/m3	U
1101	606539004	11/28/2022	Americium-241	-5.47E-04	8.30E-04	2.56E-03	pCi/m3	U
1101	609493004	12/26/2022	Americium-241	3.66E-04	1.19E-03	4.07E-03	pCi/m3	U
1101	571510003	1/24/2022	Antimony-124	-1.74E-03	1.02E-03	1.77E-03	pCi/m3	U
1101	574141004	2/21/2022	Antimony-124	-1.38E-03	1.60E-03	4.36E-03	pCi/m3	U
1101	578170003	3/21/2022	Antimony-124	2.00E-03	1.10E-03	4.35E-03	pCi/m3	U
1101	582160004	4/18/2022	Antimony-124	1.97E-03	1.03E-03	4.34E-03	pCi/m3	U
1101	585159004	5/16/2022	Antimony-124	-7.72E-04	7.48E-04	1.69E-03	pCi/m3	U
1101	587304004	6/13/2022	Antimony-124	-1.86E-03	9.55E-04	1.56E-03	pCi/m3	U
1101	592750004	7/11/2022	Antimony-124	-1.54E-03	1.60E-03	2.95E-03	pCi/m3	U
1101	592751004	8/8/2022	Antimony-124	1.11E-03	8.07E-04	3.22E-03	pCi/m3	U
1101	600035004	9/5/2022	Antimony-124	2.33E-03	2.20E-03	8.29E-03	pCi/m3	U
1101	600037004	10/3/2022	Antimony-124	6.04E-06	5.47E-04	1.81E-03	pCi/m3	U
1101	606085004	10/31/2022	Antimony-124	-4.42E-04	1.03E-03	3.13E-03	pCi/m3	U
1101	606539004	11/28/2022	Antimony-124	-1.66E-03	1.34E-03	2.65E-03	pCi/m3	U
1101	609493004	12/26/2022	Antimony-124	1.73E-03	9.70E-04	3.74E-03	pCi/m3	U
1101	571510003	1/24/2022	Antimony-125	-6.49E-04	6.14E-04	1.86E-03	pCi/m3	U
1101	574141004	2/21/2022	Antimony-125	1.57E-03	1.86E-03	3.33E-03	pCi/m3	U
1101	578170003	3/21/2022	Antimony-125	-7.83E-04	5.07E-04	1.50E-03	pCi/m3	U
1101	582160004	4/18/2022	Antimony-125	-1.54E-04	5.16E-04	1.67E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	585159004	5/16/2022	Antimony-125	1.04E-03	6.24E-04	2.31E-03	pCi/m3	U
1101	587304004	6/13/2022	Antimony-125	4.16E-04	5.93E-04	2.08E-03	pCi/m3	U
1101	592750004	7/11/2022	Antimony-125	7.66E-04	5.74E-04	1.45E-03	pCi/m3	U
1101	592751004	8/8/2022	Antimony-125	1.04E-04	5.25E-04	1.78E-03	pCi/m3	U
1101	600035004	9/5/2022	Antimony-125	-4.21E-04	9.34E-04	2.70E-03	pCi/m3	U
1101	600037004	10/3/2022	Antimony-125	7.83E-04	4.17E-04	1.61E-03	pCi/m3	U
1101	606085004	10/31/2022	Antimony-125	-1.54E-04	4.58E-04	1.36E-03	pCi/m3	U
1101	606539004	11/28/2022	Antimony-125	-6.11E-04	5.91E-04	1.83E-03	pCi/m3	U
1101	609493004	12/26/2022	Antimony-125	-2.81E-04	6.07E-04	1.64E-03	pCi/m3	U
1101	571510003	1/24/2022	Barium-140	1.36E-03	6.64E-03	2.21E-02	pCi/m3	U
1101	574141004	2/21/2022	Barium-140	1.73E-02	1.21E-02	3.02E-02	pCi/m3	U
1101	578170003	3/21/2022	Barium-140	1.72E-04	6.05E-03	2.00E-02	pCi/m3	U
1101	582160004	4/18/2022	Barium-140	2.36E-02	1.75E-02	6.29E-02	pCi/m3	U
1101	585159004	5/16/2022	Barium-140	-7.60E-03	1.21E-02	3.77E-02	pCi/m3	U
1101	587304004	6/13/2022	Barium-140	3.58E-03	8.64E-03	2.95E-02	pCi/m3	U
1101	592750004	7/11/2022	Barium-140	5.55E-02	3.75E-02	1.30E-01	pCi/m3	U
1101	592751004	8/8/2022	Barium-140	-1.17E-03	7.99E-03	2.61E-02	pCi/m3	U
1101	600035004	9/5/2022	Barium-140	5.31E-02	4.61E-02	1.66E-01	pCi/m3	U
1101	600037004	10/3/2022	Barium-140	7.20E-03	5.02E-03	1.86E-02	pCi/m3	U
1101	606085004	10/31/2022	Barium-140	-1.72E-02	1.77E-02	5.22E-02	pCi/m3	U
1101	606539004	11/28/2022	Barium-140	1.87E-03	8.76E-03	2.90E-02	pCi/m3	U
1101	609493004	12/26/2022	Barium-140	-3.25E-03	6.66E-03	2.15E-02	pCi/m3	U
1101	571510003	1/24/2022	Beryllium-7	9.63E-02	9.95E-03	1.04E-02	pCi/m3	U
1101	574141004	2/21/2022	Beryllium-7	1.46E-01	1.24E-02	1.44E-02	pCi/m3	U
1101	578170003	3/21/2022	Beryllium-7	1.16E-01	7.38E-03	6.94E-03	pCi/m3	U
1101	582160004	4/18/2022	Beryllium-7	1.21E-01	1.05E-02	1.06E-02	pCi/m3	U
1101	585159004	5/16/2022	Beryllium-7	1.45E-01	1.02E-02	1.00E-02	pCi/m3	U
1101	587304004	6/13/2022	Beryllium-7	1.27E-01	8.94E-03	8.49E-03	pCi/m3	U
1101	592750004	7/11/2022	Beryllium-7	1.08E-01	1.03E-02	1.17E-02	pCi/m3	U
1101	592751004	8/8/2022	Beryllium-7	9.87E-02	7.18E-03	8.51E-03	pCi/m3	U
1101	600035004	9/5/2022	Beryllium-7	1.25E-01	1.86E-02	2.02E-02	pCi/m3	U
1101	600037004	10/3/2022	Beryllium-7	1.08E-01	7.14E-03	6.96E-03	pCi/m3	U
1101	606085004	10/31/2022	Beryllium-7	1.08E-01	8.77E-03	8.93E-03	pCi/m3	U
1101	606539004	11/28/2022	Beryllium-7	8.82E-02	8.33E-03	9.87E-03	pCi/m3	U
1101	609493004	12/26/2022	Beryllium-7	6.40E-02	7.29E-03	9.03E-03	pCi/m3	U
1101	566163009	1/3/2022	BETA	2.34E-02	1.50E-03	1.67E-03	pCi/m3	U
1101	566828007	1/10/2022	BETA	3.82E-02	1.83E-03	1.66E-03	pCi/m3	U
1101	567642009	1/18/2022	BETA	4.48E-02	1.82E-03	1.36E-03	pCi/m3	U
1101	568219007	1/24/2022	BETA	4.02E-02	2.03E-03	1.97E-03	pCi/m3	U
1101	568939009	1/31/2022	BETA	4.33E-02	1.97E-03	1.67E-03	pCi/m3	U
1101	569538015	2/7/2022	BETA	3.86E-02	1.89E-03	1.84E-03	pCi/m3	U
1101	570263007	2/14/2022	BETA	5.09E-02	2.07E-03	1.50E-03	pCi/m3	U
1101	571003009	2/21/2022	BETA	3.84E-02	1.87E-03	1.75E-03	pCi/m3	U
1101	571635007	2/28/2022	BETA	2.83E-02	1.58E-03	1.57E-03	pCi/m3	U
1101	572313009	3/7/2022	BETA	6.03E-02	2.32E-03	1.75E-03	pCi/m3	U
1101	573042009	3/14/2022	BETA	3.65E-02	1.81E-03	1.56E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	573808005	3/21/2022	BETA	2.37E-02	1.48E-03	1.60E-03	pCi/m3	
1101	574541009	3/28/2022	BETA	1.99E-02	1.34E-03	1.49E-03	pCi/m3	
1101	575128007	4/4/2022	BETA	3.11E-02	1.65E-03	1.56E-03	pCi/m3	
1101	576089007	4/11/2022	BETA	2.68E-02	1.56E-03	1.57E-03	pCi/m3	
1101	576842007	4/18/2022	BETA	3.69E-02	1.84E-03	1.72E-03	pCi/m3	
1101	577600007	4/25/2022	BETA	3.69E-02	1.79E-03	1.58E-03	pCi/m3	
1101	578408007	5/3/2022	BETA	3.78E-02	1.74E-03	1.41E-03	pCi/m3	
1101	579260009	5/9/2022	BETA	2.30E-02	1.58E-03	1.82E-03	pCi/m3	
1101	580039007	5/16/2022	BETA	3.50E-02	1.75E-03	1.58E-03	pCi/m3	
1101	580690007	5/23/2022	BETA	3.81E-02	1.85E-03	1.73E-03	pCi/m3	
1101	581375007	5/30/2022	BETA	2.71E-02	1.60E-03	1.76E-03	pCi/m3	
1101	581944011	6/6/2022	BETA	3.09E-02	1.48E-03	1.40E-03	pCi/m3	
1101	582792007	6/13/2022	BETA	3.20E-02	1.53E-03	1.47E-03	pCi/m3	
1101	583523009	6/20/2022	BETA	3.30E-02	1.50E-03	1.27E-03	pCi/m3	
1101	584133007	6/27/2022	BETA	4.19E-02	1.69E-03	1.21E-03	pCi/m3	
1101	584820007	7/4/2022	BETA	2.46E-02	1.31E-03	1.28E-03	pCi/m3	
1101	585556007	7/11/2022	BETA	2.25E-02	1.27E-03	1.23E-03	pCi/m3	
1101	586336007	7/18/2022	BETA	3.18E-02	1.47E-03	1.21E-03	pCi/m3	
1101	587158007	7/25/2022	BETA	2.87E-02	1.41E-03	1.28E-03	pCi/m3	
1101	587887007	8/1/2022	BETA	1.84E-02	1.15E-03	1.23E-03	pCi/m3	
1101	588821009	8/8/2022	BETA	1.66E-02	1.20E-03	1.47E-03	pCi/m3	
1101	589631009	8/15/2022	BETA	3.00E-02	1.49E-03	1.49E-03	pCi/m3	
1101	590529007	8/22/2022	BETA	4.44E-02	1.74E-03	1.27E-03	pCi/m3	
1101	590546009	8/29/2022	BETA	2.15E-02	1.23E-03	1.22E-03	pCi/m3	
1101	592023007	9/5/2022	BETA	2.93E-02	1.43E-03	1.25E-03	pCi/m3	
1101	592701007	9/12/2022	BETA	2.71E-02	1.37E-03	1.20E-03	pCi/m3	
1101	593604009	9/19/2022	BETA	4.85E-02	1.81E-03	1.20E-03	pCi/m3	
1101	594422007	9/26/2022	BETA	3.94E-02	1.66E-03	1.35E-03	pCi/m3	
1101	594990007	10/3/2022	BETA	3.10E-02	1.47E-03	1.20E-03	pCi/m3	
1101	596158007	10/10/2022	BETA	4.43E-02	1.76E-03	1.37E-03	pCi/m3	
1101	597076007	10/17/2022	BETA	4.35E-02	1.71E-03	1.18E-03	pCi/m3	
1101	597935007	10/24/2022	BETA	3.58E-02	1.57E-03	1.22E-03	pCi/m3	
1101	598808007	10/31/2022	BETA	3.16E-02	1.49E-03	1.24E-03	pCi/m3	
1101	599716007	11/7/2022	BETA	4.78E-02	1.80E-03	1.22E-03	pCi/m3	
1101	600681007	11/14/2022	BETA	3.11E-02	1.47E-03	1.21E-03	pCi/m3	
1101	601449007	11/21/2022	BETA	4.57E-02	1.77E-03	1.23E-03	pCi/m3	
1101	602125011	11/28/2022	BETA	4.32E-02	1.72E-03	1.21E-03	pCi/m3	
1101	602823007	12/5/2022	BETA	4.45E-02	1.75E-03	1.27E-03	pCi/m3	
1101	603758007	12/12/2022	BETA	2.94E-02	1.45E-03	1.24E-03	pCi/m3	
1101	604618007	12/19/2022	BETA	3.73E-02	1.61E-03	1.21E-03	pCi/m3	
1101	605325007	12/26/2022	BETA	3.92E-02	1.70E-03	1.35E-03	pCi/m3	
1101	571510003	1/24/2022	Bismuth-214	2.09E-03	9.19E-04	2.90E-03	pCi/m3	U
1101	574141004	2/21/2022	Bismuth-214	2.52E-03	1.77E-03	4.20E-03	pCi/m3	U
1101	578170003	3/21/2022	Bismuth-214	6.51E-04	7.72E-04	1.94E-03	pCi/m3	U
1101	582160004	4/18/2022	Bismuth-214	1.50E-03	6.18E-04	1.51E-03	pCi/m3	U
1101	585159004	5/16/2022	Bismuth-214	8.36E-05	7.70E-04	1.80E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	587304004	6/13/2022	Bismuth-214	8.30E-04	8.73E-04	1.55E-03	pCi/m3	U
1101	592750004	7/11/2022	Bismuth-214	3.46E-04	5.10E-04	1.70E-03	pCi/m3	U
1101	592751004	8/8/2022	Bismuth-214	-1.51E-04	6.23E-04	1.93E-03	pCi/m3	U
1101	600035004	9/5/2022	Bismuth-214	2.04E-04	1.17E-03	3.71E-03	pCi/m3	U
1101	600037004	10/3/2022	Bismuth-214	4.15E-04	4.81E-04	1.70E-03	pCi/m3	U
1101	606085004	10/31/2022	Bismuth-214	1.60E-03	7.78E-04	1.65E-03	pCi/m3	U
1101	606539004	11/28/2022	Bismuth-214	1.77E-03	7.67E-04	2.39E-03	pCi/m3	U
1101	609493004	12/26/2022	Bismuth-214	-3.71E-04	6.50E-04	2.07E-03	pCi/m3	U
1101	571510003	1/24/2022	Cerium-141	2.93E-04	7.10E-04	1.62E-03	pCi/m3	U
1101	574141004	2/21/2022	Cerium-141	-2.00E-04	7.34E-04	2.36E-03	pCi/m3	U
1101	578170003	3/21/2022	Cerium-141	3.49E-04	5.10E-04	1.70E-03	pCi/m3	U
1101	582160004	4/18/2022	Cerium-141	-8.61E-04	7.98E-04	2.40E-03	pCi/m3	U
1101	585159004	5/16/2022	Cerium-141	-4.89E-04	7.45E-04	1.99E-03	pCi/m3	U
1101	587304004	6/13/2022	Cerium-141	-2.10E-05	6.40E-04	2.07E-03	pCi/m3	U
1101	592750004	7/11/2022	Cerium-141	-5.94E-04	9.33E-04	3.09E-03	pCi/m3	U
1101	592751004	8/8/2022	Cerium-141	-3.69E-04	5.30E-04	1.64E-03	pCi/m3	U
1101	600035004	9/5/2022	Cerium-141	3.52E-04	1.57E-03	5.09E-03	pCi/m3	U
1101	600037004	10/3/2022	Cerium-141	7.55E-05	4.10E-04	1.34E-03	pCi/m3	U
1101	606085004	10/31/2022	Cerium-141	-8.28E-04	7.07E-04	2.09E-03	pCi/m3	U
1101	606539004	11/28/2022	Cerium-141	-4.47E-04	5.81E-04	1.82E-03	pCi/m3	U
1101	609493004	12/26/2022	Cerium-141	-2.01E-06	6.03E-04	1.90E-03	pCi/m3	U
1101	571510003	1/24/2022	Cerium-144	-1.29E-04	9.03E-04	2.87E-03	pCi/m3	U
1101	574141004	2/21/2022	Cerium-144	-1.03E-03	1.75E-03	5.57E-03	pCi/m3	U
1101	578170003	3/21/2022	Cerium-144	-3.64E-04	9.35E-04	2.95E-03	pCi/m3	U
1101	582160004	4/18/2022	Cerium-144	5.74E-04	9.93E-04	3.29E-03	pCi/m3	U
1101	585159004	5/16/2022	Cerium-144	-2.17E-03	1.06E-03	2.95E-03	pCi/m3	U
1101	587304004	6/13/2022	Cerium-144	5.52E-04	1.12E-03	3.75E-03	pCi/m3	U
1101	592750004	7/11/2022	Cerium-144	7.43E-04	9.10E-04	3.22E-03	pCi/m3	U
1101	592751004	8/8/2022	Cerium-144	-1.44E-04	9.84E-04	2.90E-03	pCi/m3	U
1101	600035004	9/5/2022	Cerium-144	7.36E-04	1.78E-03	5.87E-03	pCi/m3	U
1101	600037004	10/3/2022	Cerium-144	-1.35E-04	8.94E-04	2.88E-03	pCi/m3	U
1101	606085004	10/31/2022	Cerium-144	9.16E-04	8.77E-04	2.99E-03	pCi/m3	U
1101	606539004	11/28/2022	Cerium-144	7.22E-04	1.04E-03	3.52E-03	pCi/m3	U
1101	609493004	12/26/2022	Cerium-144	-7.22E-04	1.14E-03	3.29E-03	pCi/m3	U
1101	571510003	1/24/2022	Cesium-134	-5.90E-06	2.82E-04	8.90E-04	pCi/m3	U
1101	574141004	2/21/2022	Cesium-134	9.26E-05	5.66E-04	1.84E-03	pCi/m3	U
1101	578170003	3/21/2022	Cesium-134	1.66E-04	2.34E-04	8.12E-04	pCi/m3	U
1101	582160004	4/18/2022	Cesium-134	-2.85E-05	2.74E-04	9.19E-04	pCi/m3	U
1101	585159004	5/16/2022	Cesium-134	3.79E-04	2.41E-04	9.18E-04	pCi/m3	U
1101	587304004	6/13/2022	Cesium-134	-1.34E-04	3.67E-04	9.94E-04	pCi/m3	U
1101	592750004	7/11/2022	Cesium-134	3.82E-04	2.33E-04	8.80E-04	pCi/m3	U
1101	592751004	8/8/2022	Cesium-134	-4.80E-04	3.07E-04	7.97E-04	pCi/m3	U
1101	600035004	9/5/2022	Cesium-134	-8.07E-04	5.94E-04	1.59E-03	pCi/m3	U
1101	600037004	10/3/2022	Cesium-134	2.72E-04	2.33E-04	8.50E-04	pCi/m3	U
1101	606085004	10/31/2022	Cesium-134	1.14E-04	2.01E-04	6.36E-04	pCi/m3	U
1101	606539004	11/28/2022	Cesium-134	1.53E-04	2.38E-04	8.48E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	609493004	12/26/2022	Cesium-134	3.04E-05	3.17E-04	8.94E-04	pCi/m3	U
1101	571510003	1/24/2022	Cesium-137	3.69E-04	4.44E-04	1.02E-03	pCi/m3	U
1101	574141004	2/21/2022	Cesium-137	-3.73E-04	4.29E-04	1.28E-03	pCi/m3	U
1101	578170003	3/21/2022	Cesium-137	-4.86E-04	3.00E-04	8.75E-04	pCi/m3	U
1101	582160004	4/18/2022	Cesium-137	8.36E-04	4.38E-04	6.01E-04	pCi/m3	UI
1101	585159004	5/16/2022	Cesium-137	3.79E-05	2.58E-04	8.51E-04	pCi/m3	U
1101	587304004	6/13/2022	Cesium-137	4.57E-04	2.54E-04	9.52E-04	pCi/m3	U
1101	592750004	7/11/2022	Cesium-137	8.90E-05	2.30E-04	7.38E-04	pCi/m3	U
1101	592751004	8/8/2022	Cesium-137	-1.38E-04	2.50E-04	6.75E-04	pCi/m3	U
1101	600035004	9/5/2022	Cesium-137	1.96E-04	4.72E-04	1.58E-03	pCi/m3	U
1101	600037004	10/3/2022	Cesium-137	-1.01E-05	2.13E-04	6.90E-04	pCi/m3	U
1101	606085004	10/31/2022	Cesium-137	-3.90E-04	2.35E-04	5.60E-04	pCi/m3	U
1101	606539004	11/28/2022	Cesium-137	7.71E-04	3.22E-04	6.38E-04	pCi/m3	UI
1101	609493004	12/26/2022	Cesium-137	-6.43E-04	2.76E-04	7.13E-04	pCi/m3	U
1101	571510003	1/24/2022	Chromium-51	1.03E-03	4.05E-03	1.39E-02	pCi/m3	U
1101	574141004	2/21/2022	Chromium-51	-1.26E-03	5.38E-03	1.82E-02	pCi/m3	U
1101	578170003	3/21/2022	Chromium-51	-2.49E-03	3.64E-03	1.19E-02	pCi/m3	U
1101	582160004	4/18/2022	Chromium-51	-2.63E-03	6.30E-03	2.07E-02	pCi/m3	U
1101	585159004	5/16/2022	Chromium-51	-3.85E-03	5.45E-03	1.77E-02	pCi/m3	U
1101	587304004	6/13/2022	Chromium-51	1.90E-03	4.58E-03	1.60E-02	pCi/m3	U
1101	592750004	7/11/2022	Chromium-51	1.11E-03	8.23E-03	2.74E-02	pCi/m3	U
1101	592751004	8/8/2022	Chromium-51	2.77E-03	3.60E-03	1.29E-02	pCi/m3	U
1101	600035004	9/5/2022	Chromium-51	3.48E-03	1.36E-02	4.69E-02	pCi/m3	U
1101	600037004	10/3/2022	Chromium-51	-2.17E-03	3.27E-03	1.08E-02	pCi/m3	U
1101	606085004	10/31/2022	Chromium-51	3.67E-04	5.65E-03	1.93E-02	pCi/m3	U
1101	606539004	11/28/2022	Chromium-51	7.62E-03	4.52E-03	1.66E-02	pCi/m3	U
1101	609493004	12/26/2022	Chromium-51	-6.46E-04	4.12E-03	1.33E-02	pCi/m3	U
1101	571510003	1/24/2022	Cobalt-57	-1.99E-05	1.06E-04	3.38E-04	pCi/m3	U
1101	574141004	2/21/2022	Cobalt-57	-2.66E-07	2.15E-04	7.07E-04	pCi/m3	U
1101	578170003	3/21/2022	Cobalt-57	-9.63E-05	1.26E-04	3.92E-04	pCi/m3	U
1101	582160004	4/18/2022	Cobalt-57	1.66E-04	1.23E-04	4.26E-04	pCi/m3	U
1101	585159004	5/16/2022	Cobalt-57	1.33E-05	1.26E-04	4.08E-04	pCi/m3	U
1101	587304004	6/13/2022	Cobalt-57	3.71E-05	1.53E-04	5.08E-04	pCi/m3	U
1101	592750004	7/11/2022	Cobalt-57	2.28E-04	1.22E-04	4.51E-04	pCi/m3	U
1101	592751004	8/8/2022	Cobalt-57	1.02E-04	1.25E-04	4.23E-04	pCi/m3	U
1101	600035004	9/5/2022	Cobalt-57	-1.37E-04	2.22E-04	6.98E-04	pCi/m3	U
1101	600037004	10/3/2022	Cobalt-57	2.15E-05	1.04E-04	3.45E-04	pCi/m3	U
1101	606085004	10/31/2022	Cobalt-57	-2.56E-04	1.26E-04	3.58E-04	pCi/m3	U
1101	606539004	11/28/2022	Cobalt-57	-3.09E-06	1.31E-04	4.32E-04	pCi/m3	U
1101	609493004	12/26/2022	Cobalt-57	-6.92E-05	1.43E-04	4.44E-04	pCi/m3	U
1101	571510003	1/24/2022	Cobalt-58	-4.42E-04	3.79E-04	1.14E-03	pCi/m3	U
1101	574141004	2/21/2022	Cobalt-58	2.05E-04	5.33E-04	1.78E-03	pCi/m3	U
1101	578170003	3/21/2022	Cobalt-58	-6.19E-04	2.66E-04	5.33E-04	pCi/m3	U
1101	582160004	4/18/2022	Cobalt-58	4.24E-04	3.46E-04	1.30E-03	pCi/m3	U
1101	585159004	5/16/2022	Cobalt-58	-1.83E-04	3.40E-04	1.01E-03	pCi/m3	U
1101	587304004	6/13/2022	Cobalt-58	1.74E-04	2.78E-04	9.67E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	592750004	7/11/2022	Cobalt-58	8.97E-04	4.20E-04	1.56E-03	pCi/m3	U
1101	592751004	8/8/2022	Cobalt-58	2.89E-04	3.32E-04	1.16E-03	pCi/m3	U
1101	600035004	9/5/2022	Cobalt-58	6.17E-04	7.58E-04	2.63E-03	pCi/m3	U
1101	600037004	10/3/2022	Cobalt-58	-2.04E-04	2.67E-04	7.78E-04	pCi/m3	U
1101	606085004	10/31/2022	Cobalt-58	2.31E-04	3.68E-04	1.26E-03	pCi/m3	U
1101	606539004	11/28/2022	Cobalt-58	1.12E-04	3.35E-04	1.16E-03	pCi/m3	U
1101	609493004	12/26/2022	Cobalt-58	-2.14E-04	3.19E-04	9.61E-04	pCi/m3	U
1101	571510003	1/24/2022	Cobalt-60	1.85E-04	2.36E-04	8.88E-04	pCi/m3	U
1101	574141004	2/21/2022	Cobalt-60	9.10E-04	4.67E-04	1.91E-03	pCi/m3	U
1101	578170003	3/21/2022	Cobalt-60	2.46E-04	2.73E-04	1.00E-03	pCi/m3	U
1101	582160004	4/18/2022	Cobalt-60	-8.85E-06	1.41E-04	4.50E-04	pCi/m3	U
1101	585159004	5/16/2022	Cobalt-60	5.80E-04	2.64E-04	1.12E-03	pCi/m3	U
1101	587304004	6/13/2022	Cobalt-60	-5.95E-05	2.16E-04	6.74E-04	pCi/m3	U
1101	592750004	7/11/2022	Cobalt-60	-4.76E-06	2.96E-04	9.65E-04	pCi/m3	U
1101	592751004	8/8/2022	Cobalt-60	-2.61E-05	2.44E-04	7.98E-04	pCi/m3	U
1101	600035004	9/5/2022	Cobalt-60	1.34E-03	5.77E-04	2.34E-03	pCi/m3	U
1101	600037004	10/3/2022	Cobalt-60	1.14E-04	1.86E-04	6.90E-04	pCi/m3	U
1101	606085004	10/31/2022	Cobalt-60	1.46E-04	2.17E-04	7.90E-04	pCi/m3	U
1101	606539004	11/28/2022	Cobalt-60	6.96E-04	2.20E-04	9.49E-04	pCi/m3	U
1101	609493004	12/26/2022	Cobalt-60	9.55E-05	2.62E-04	9.10E-04	pCi/m3	U
1101	571510003	1/24/2022	Iron-59	1.30E-03	1.13E-03	4.18E-03	pCi/m3	U
1101	574141004	2/21/2022	Iron-59	-4.17E-04	1.37E-03	4.43E-03	pCi/m3	U
1101	578170003	3/21/2022	Iron-59	-2.42E-05	8.24E-04	2.76E-03	pCi/m3	U
1101	582160004	4/18/2022	Iron-59	-1.70E-03	1.13E-03	3.05E-03	pCi/m3	U
1101	585159004	5/16/2022	Iron-59	3.33E-04	8.81E-04	3.12E-03	pCi/m3	U
1101	587304004	6/13/2022	Iron-59	-4.50E-04	8.81E-04	2.76E-03	pCi/m3	U
1101	592750004	7/11/2022	Iron-59	-2.84E-03	1.37E-03	3.44E-03	pCi/m3	U
1101	592751004	8/8/2022	Iron-59	5.66E-04	7.11E-04	2.62E-03	pCi/m3	U
1101	600035004	9/5/2022	Iron-59	1.82E-04	2.12E-03	7.17E-03	pCi/m3	U
1101	600037004	10/3/2022	Iron-59	-1.01E-03	9.00E-04	2.46E-03	pCi/m3	U
1101	606085004	10/31/2022	Iron-59	4.00E-05	9.59E-04	3.27E-03	pCi/m3	U
1101	606539004	11/28/2022	Iron-59	-4.17E-05	7.60E-04	2.47E-03	pCi/m3	U
1101	609493004	12/26/2022	Iron-59	8.85E-04	9.19E-04	3.24E-03	pCi/m3	U
1101	571510003	1/24/2022	Lanthanum-140	4.54E-03	2.49E-03	1.06E-02	pCi/m3	U
1101	574141004	2/21/2022	Lanthanum-140	-6.88E-03	3.71E-03	8.41E-03	pCi/m3	U
1101	578170003	3/21/2022	Lanthanum-140	3.28E-04	2.81E-03	9.30E-03	pCi/m3	U
1101	582160004	4/18/2022	Lanthanum-140	-6.65E-03	6.62E-03	1.90E-02	pCi/m3	U
1101	585159004	5/16/2022	Lanthanum-140	-9.97E-04	5.64E-03	1.80E-02	pCi/m3	U
1101	587304004	6/13/2022	Lanthanum-140	-3.11E-03	3.60E-03	9.86E-03	pCi/m3	U
1101	592750004	7/11/2022	Lanthanum-140	-2.91E-03	1.63E-02	5.12E-02	pCi/m3	U
1101	592751004	8/8/2022	Lanthanum-140	3.16E-04	3.45E-03	1.14E-02	pCi/m3	U
1101	600035004	9/5/2022	Lanthanum-140	2.48E-02	1.45E-02	6.17E-02	pCi/m3	U
1101	600037004	10/3/2022	Lanthanum-140	3.87E-05	1.31E-03	4.37E-03	pCi/m3	U
1101	606085004	10/31/2022	Lanthanum-140	5.90E-03	5.87E-03	2.37E-02	pCi/m3	U
1101	606539004	11/28/2022	Lanthanum-140	5.82E-04	3.50E-03	1.19E-02	pCi/m3	U
1101	609493004	12/26/2022	Lanthanum-140	1.98E-03	2.95E-03	1.04E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	571510003	1/24/2022	Lead-210	2.10E-02	5.00E-03	7.27E-03	pCi/m3	
1101	574141004	2/21/2022	Lead-210	2.98E-02	6.07E-03	2.28E-02	pCi/m3	UI
1101	578170003	3/21/2022	Lead-210	1.16E-01	6.33E-02	7.32E-02	pCi/m3	UI
1101	582160004	4/18/2022	Lead-210	9.95E-03	1.66E-02	5.52E-02	pCi/m3	U
1101	585159004	5/16/2022	Lead-210	-9.04E-03	2.33E-02	7.36E-02	pCi/m3	U
1101	587304004	6/13/2022	Lead-210	-4.53E-02	4.59E-02	1.49E-01	pCi/m3	U
1101	592750004	7/11/2022	Lead-210	1.05E-02	1.84E-02	3.12E-02	pCi/m3	U
1101	592751004	8/8/2022	Lead-210	-2.75E-02	2.27E-02	7.07E-02	pCi/m3	U
1101	600035004	9/5/2022	Lead-210	3.10E-02	5.69E-03	2.13E-02	pCi/m3	UI
1101	600037004	10/3/2022	Lead-210	5.27E-02	4.82E-02	9.41E-02	pCi/m3	U
1101	606085004	10/31/2022	Lead-210	1.16E-02	1.34E-02	4.66E-02	pCi/m3	U
1101	606539004	11/28/2022	Lead-210	4.58E-02	2.40E-02	9.04E-02	pCi/m3	U
1101	609493004	12/26/2022	Lead-210	8.75E-02	7.24E-02	1.28E-01	pCi/m3	U
1101	571510003	1/24/2022	Lead-212	1.06E-03	7.16E-04	1.51E-03	pCi/m3	U
1101	574141004	2/21/2022	Lead-212	2.15E-04	1.21E-03	1.71E-03	pCi/m3	U
1101	578170003	3/21/2022	Lead-212	1.74E-03	6.59E-04	1.42E-03	pCi/m3	UI
1101	582160004	4/18/2022	Lead-212	1.27E-03	5.76E-04	1.55E-03	pCi/m3	U
1101	585159004	5/16/2022	Lead-212	-4.62E-04	4.79E-04	1.70E-03	pCi/m3	U
1101	587304004	6/13/2022	Lead-212	1.14E-04	4.54E-04	1.32E-03	pCi/m3	U
1101	592750004	7/11/2022	Lead-212	1.45E-04	3.54E-04	1.16E-03	pCi/m3	U
1101	592751004	8/8/2022	Lead-212	9.03E-05	5.88E-04	1.61E-03	pCi/m3	U
1101	600035004	9/5/2022	Lead-212	1.10E-03	1.02E-03	2.43E-03	pCi/m3	U
1101	600037004	10/3/2022	Lead-212	3.60E-04	4.54E-04	1.04E-03	pCi/m3	U
1101	606085004	10/31/2022	Lead-212	-2.57E-04	3.72E-04	1.04E-03	pCi/m3	U
1101	606539004	11/28/2022	Lead-212	8.32E-04	6.23E-04	1.45E-03	pCi/m3	U
1101	609493004	12/26/2022	Lead-212	1.35E-03	5.41E-04	1.06E-03	pCi/m3	U
1101	571510003	1/24/2022	Lead-214	7.29E-04	6.07E-04	1.97E-03	pCi/m3	U
1101	574141004	2/21/2022	Lead-214	1.65E-03	1.34E-03	3.42E-03	pCi/m3	U
1101	578170003	3/21/2022	Lead-214	2.64E-03	1.10E-03	2.08E-03	pCi/m3	UI
1101	582160004	4/18/2022	Lead-214	-1.30E-04	4.86E-04	1.58E-03	pCi/m3	U
1101	585159004	5/16/2022	Lead-214	9.24E-04	4.96E-04	1.76E-03	pCi/m3	U
1101	587304004	6/13/2022	Lead-214	1.39E-04	5.81E-04	1.80E-03	pCi/m3	U
1101	592750004	7/11/2022	Lead-214	1.07E-03	6.40E-04	1.61E-03	pCi/m3	U
1101	592751004	8/8/2022	Lead-214	1.50E-04	4.60E-04	1.51E-03	pCi/m3	U
1101	600035004	9/5/2022	Lead-214	2.05E-05	1.11E-03	3.06E-03	pCi/m3	U
1101	600037004	10/3/2022	Lead-214	3.53E-04	5.77E-04	1.43E-03	pCi/m3	U
1101	606085004	10/31/2022	Lead-214	2.22E-04	4.57E-04	1.49E-03	pCi/m3	U
1101	606539004	11/28/2022	Lead-214	1.44E-03	1.07E-03	2.04E-03	pCi/m3	U
1101	609493004	12/26/2022	Lead-214	4.40E-04	7.89E-04	1.77E-03	pCi/m3	U
1101	571510003	1/24/2022	Manganese-54	-5.01E-04	2.63E-04	6.88E-04	pCi/m3	U
1101	574141004	2/21/2022	Manganese-54	5.85E-04	5.07E-04	1.79E-03	pCi/m3	U
1101	578170003	3/21/2022	Manganese-54	1.64E-04	2.36E-04	8.10E-04	pCi/m3	U
1101	582160004	4/18/2022	Manganese-54	9.51E-04	2.46E-04	5.94E-04	pCi/m3	UI
1101	585159004	5/16/2022	Manganese-54	4.35E-05	2.92E-04	9.05E-04	pCi/m3	U
1101	587304004	6/13/2022	Manganese-54	1.10E-04	2.88E-04	9.52E-04	pCi/m3	U
1101	592750004	7/11/2022	Manganese-54	-2.48E-04	2.35E-04	7.12E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	592751004	8/8/2022	Manganese-54	5.51E-05	2.02E-04	6.04E-04	pCi/m3	U
1101	600035004	9/5/2022	Manganese-54	1.57E-03	8.28E-04	1.78E-03	pCi/m3	U
1101	600037004	10/3/2022	Manganese-54	6.69E-04	2.49E-04	7.19E-04	pCi/m3	U
1101	606085004	10/31/2022	Manganese-54	-1.22E-04	2.12E-04	6.36E-04	pCi/m3	U
1101	606539004	11/28/2022	Manganese-54	3.26E-05	2.43E-04	8.24E-04	pCi/m3	U
1101	609493004	12/26/2022	Manganese-54	-9.74E-05	2.51E-04	8.26E-04	pCi/m3	U
1101	571510003	1/24/2022	Molybdenum-99	2.50E+01	2.96E+01	0.00E+00	pCi/m3	UI
1101	574141004	2/21/2022	Molybdenum-99	7.76E+00	1.15E+01	0.00E+00	pCi/m3	UI
1101	578170003	3/21/2022	Molybdenum-99	-1.56E+01	3.71E+01	0.00E+00	pCi/m3	U
1101	582160004	4/18/2022	Molybdenum-99	-3.47E+03	5.83E+03	0.00E+00	pCi/m3	U
1101	585159004	5/16/2022	Molybdenum-99	-1.98E+02	1.14E+03	0.00E+00	pCi/m3	U
1101	587304004	6/13/2022	Molybdenum-99	-1.46E+02	1.39E+02	0.00E+00	pCi/m3	U
1101	592750004	7/11/2022	Molybdenum-99	-8.49E+04	1.29E+05	0.00E+00	pCi/m3	U
1101	592751004	8/8/2022	Molybdenum-99	-1.34E+00	9.27E+01	0.00E+00	pCi/m3	U
1101	600035004	9/5/2022	Molybdenum-99	-7.72E+04	5.08E+04	0.00E+00	pCi/m3	U
1101	600037004	10/3/2022	Molybdenum-99	8.86E-01	1.99E+01	0.00E+00	pCi/m3	UI
1101	606085004	10/31/2022	Molybdenum-99	2.76E+04	3.24E+04	0.00E+00	pCi/m3	UI
1101	606539004	11/28/2022	Molybdenum-99	-8.87E+01	1.20E+02	0.00E+00	pCi/m3	U
1101	609493004	12/26/2022	Molybdenum-99	6.70E+01	1.10E+02	0.00E+00	pCi/m3	UI
1101	571510003	1/24/2022	Niobium-95	4.16E-04	9.39E-04	1.34E-03	pCi/m3	U
1101	574141004	2/21/2022	Niobium-95	9.92E-04	6.12E-04	2.26E-03	pCi/m3	U
1101	578170003	3/21/2022	Niobium-95	-5.63E-04	4.18E-04	1.18E-03	pCi/m3	U
1101	582160004	4/18/2022	Niobium-95	5.95E-04	3.32E-04	1.38E-03	pCi/m3	U
1101	585159004	5/16/2022	Niobium-95	1.32E-03	5.94E-04	1.14E-03	pCi/m3	UI
1101	587304004	6/13/2022	Niobium-95	1.54E-04	4.12E-04	1.37E-03	pCi/m3	U
1101	592750004	7/11/2022	Niobium-95	4.69E-04	5.98E-04	1.51E-03	pCi/m3	U
1101	592751004	8/8/2022	Niobium-95	2.09E-05	3.39E-04	1.10E-03	pCi/m3	U
1101	600035004	9/5/2022	Niobium-95	1.62E-03	9.74E-04	2.45E-03	pCi/m3	U
1101	600037004	10/3/2022	Niobium-95	-4.95E-04	3.28E-04	9.10E-04	pCi/m3	U
1101	606085004	10/31/2022	Niobium-95	-8.87E-05	3.98E-04	1.26E-03	pCi/m3	U
1101	606539004	11/28/2022	Niobium-95	-2.26E-04	3.79E-04	1.23E-03	pCi/m3	U
1101	609493004	12/26/2022	Niobium-95	-6.49E-05	3.20E-04	1.01E-03	pCi/m3	U
1101	571510003	1/24/2022	Potassium-40	4.42E-03	4.77E-03	1.77E-02	pCi/m3	U
1101	574141004	2/21/2022	Potassium-40	1.57E-03	6.45E-03	1.38E-02	pCi/m3	U
1101	578170003	3/21/2022	Potassium-40	4.32E-03	4.25E-03	1.54E-02	pCi/m3	U
1101	582160004	4/18/2022	Potassium-40	1.54E-02	5.52E-03	8.40E-03	pCi/m3	U
1101	585159004	5/16/2022	Potassium-40	4.63E-03	4.57E-03	1.76E-02	pCi/m3	U
1101	587304004	6/13/2022	Potassium-40	7.04E-03	4.60E-03	1.79E-02	pCi/m3	U
1101	592750004	7/11/2022	Potassium-40	1.27E-02	4.29E-03	5.32E-03	pCi/m3	U
1101	592751004	8/8/2022	Potassium-40	5.49E-03	6.71E-03	1.18E-02	pCi/m3	U
1101	600035004	9/5/2022	Potassium-40	-3.62E-03	6.23E-03	2.05E-02	pCi/m3	U
1101	600037004	10/3/2022	Potassium-40	9.82E-03	4.40E-03	6.46E-03	pCi/m3	UI
1101	606085004	10/31/2022	Potassium-40	1.52E-02	5.55E-03	9.70E-03	pCi/m3	U
1101	606539004	11/28/2022	Potassium-40	-1.84E-03	4.26E-03	1.51E-02	pCi/m3	U
1101	609493004	12/26/2022	Potassium-40	-1.05E-03	4.27E-03	1.34E-02	pCi/m3	U
1101	571510003	1/24/2022	Radium-226	2.09E-03	9.19E-04	2.90E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	574141004	2/21/2022	Radium-226	2.52E-03	1.77E-03	4.20E-03	pCi/m3	U
1101	578170003	3/21/2022	Radium-226	6.51E-04	7.72E-04	1.94E-03	pCi/m3	U
1101	582160004	4/18/2022	Radium-226	1.50E-03	6.18E-04	1.51E-03	pCi/m3	U
1101	585159004	5/16/2022	Radium-226	8.36E-05	7.70E-04	1.80E-03	pCi/m3	U
1101	587304004	6/13/2022	Radium-226	8.30E-04	8.73E-04	1.55E-03	pCi/m3	U
1101	592750004	7/11/2022	Radium-226	3.46E-04	5.10E-04	1.70E-03	pCi/m3	U
1101	592751004	8/8/2022	Radium-226	-1.51E-04	6.23E-04	1.93E-03	pCi/m3	U
1101	600035004	9/5/2022	Radium-226	2.05E-05	1.11E-03	3.06E-03	pCi/m3	U
1101	600037004	10/3/2022	Radium-226	3.53E-04	5.77E-04	1.43E-03	pCi/m3	U
1101	606085004	10/31/2022	Radium-226	2.22E-04	4.57E-04	1.49E-03	pCi/m3	U
1101	606539004	11/28/2022	Radium-226	1.44E-03	1.07E-03	2.04E-03	pCi/m3	U
1101	609493004	12/26/2022	Radium-226	4.40E-04	7.89E-04	1.77E-03	pCi/m3	U
1101	571510003	1/24/2022	Radium-228	1.60E-03	9.65E-04	3.83E-03	pCi/m3	U
1101	574141004	2/21/2022	Radium-228	5.40E-03	4.11E-03	7.86E-03	pCi/m3	U
1101	578170003	3/21/2022	Radium-228	-1.98E-03	1.06E-03	3.18E-03	pCi/m3	U
1101	582160004	4/18/2022	Radium-228	-9.25E-05	1.12E-03	3.57E-03	pCi/m3	U
1101	585159004	5/16/2022	Radium-228	3.39E-03	1.44E-03	4.55E-03	pCi/m3	U
1101	587304004	6/13/2022	Radium-228	1.92E-03	1.30E-03	4.73E-03	pCi/m3	U
1101	592750004	7/11/2022	Radium-228	-7.00E-04	9.65E-04	2.86E-03	pCi/m3	U
1101	592751004	8/8/2022	Radium-228	3.23E-04	1.25E-03	3.58E-03	pCi/m3	U
1101	600035004	9/5/2022	Radium-228	5.12E-04	3.08E-03	7.72E-03	pCi/m3	U
1101	600037004	10/3/2022	Radium-228	-5.90E-04	9.81E-04	3.11E-03	pCi/m3	U
1101	606085004	10/31/2022	Radium-228	-1.52E-03	9.77E-04	3.04E-03	pCi/m3	U
1101	606539004	11/28/2022	Radium-228	1.80E-04	1.39E-03	4.25E-03	pCi/m3	U
1101	609493004	12/26/2022	Radium-228	1.03E-03	1.79E-03	3.86E-03	pCi/m3	U
1101	571510003	1/24/2022	Ruthenium-103	8.03E-05	4.95E-04	1.65E-03	pCi/m3	U
1101	574141004	2/21/2022	Ruthenium-103	9.59E-04	5.33E-04	2.03E-03	pCi/m3	U
1101	578170003	3/21/2022	Ruthenium-103	-1.10E-04	3.67E-04	1.19E-03	pCi/m3	U
1101	582160004	4/18/2022	Ruthenium-103	9.69E-05	5.54E-04	1.83E-03	pCi/m3	U
1101	585159004	5/16/2022	Ruthenium-103	3.02E-04	4.45E-04	1.56E-03	pCi/m3	U
1101	587304004	6/13/2022	Ruthenium-103	-3.25E-04	3.32E-04	9.84E-04	pCi/m3	U
1101	592750004	7/11/2022	Ruthenium-103	6.57E-05	6.27E-04	2.04E-03	pCi/m3	U
1101	592751004	8/8/2022	Ruthenium-103	6.05E-04	5.74E-04	1.32E-03	pCi/m3	U
1101	600035004	9/5/2022	Ruthenium-103	-2.06E-04	9.80E-04	3.19E-03	pCi/m3	U
1101	600037004	10/3/2022	Ruthenium-103	1.29E-04	3.15E-04	1.09E-03	pCi/m3	U
1101	606085004	10/31/2022	Ruthenium-103	2.31E-04	4.59E-04	1.59E-03	pCi/m3	U
1101	606539004	11/28/2022	Ruthenium-103	-1.57E-04	4.06E-04	1.29E-03	pCi/m3	U
1101	609493004	12/26/2022	Ruthenium-103	2.71E-04	3.85E-04	1.35E-03	pCi/m3	U
1101	571510003	1/24/2022	Ruthenium-106	-1.61E-03	2.24E-03	6.64E-03	pCi/m3	U
1101	574141004	2/21/2022	Ruthenium-106	4.71E-03	4.16E-03	1.48E-02	pCi/m3	U
1101	578170003	3/21/2022	Ruthenium-106	-8.83E-05	2.60E-03	7.55E-03	pCi/m3	U
1101	582160004	4/18/2022	Ruthenium-106	1.50E-04	1.98E-03	6.40E-03	pCi/m3	U
1101	585159004	5/16/2022	Ruthenium-106	4.51E-03	2.03E-03	7.98E-03	pCi/m3	U
1101	587304004	6/13/2022	Ruthenium-106	-2.65E-03	2.27E-03	6.58E-03	pCi/m3	U
1101	592750004	7/11/2022	Ruthenium-106	2.30E-03	1.72E-03	6.22E-03	pCi/m3	U
1101	592751004	8/8/2022	Ruthenium-106	-4.06E-05	1.71E-03	5.57E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	600035004	9/5/2022	Ruthenium-106	-4.21E-04	3.24E-03	1.04E-02	pCi/m3	U
1101	600037004	10/3/2022	Ruthenium-106	-9.71E-04	1.79E-03	5.62E-03	pCi/m3	U
1101	606085004	10/31/2022	Ruthenium-106	-6.44E-04	1.91E-03	6.09E-03	pCi/m3	U
1101	606539004	11/28/2022	Ruthenium-106	-6.20E-04	2.49E-03	7.85E-03	pCi/m3	U
1101	609493004	12/26/2022	Ruthenium-106	-1.97E-03	2.30E-03	7.20E-03	pCi/m3	U
1101	571510003	1/24/2022	Selenium-75	-3.44E-05	3.04E-04	1.03E-03	pCi/m3	U
1101	574141004	2/21/2022	Selenium-75	3.80E-04	5.15E-04	1.69E-03	pCi/m3	U
1101	578170003	3/21/2022	Selenium-75	-1.41E-04	2.92E-04	8.76E-04	pCi/m3	U
1101	582160004	4/18/2022	Selenium-75	3.85E-04	3.16E-04	1.14E-03	pCi/m3	U
1101	585159004	5/16/2022	Selenium-75	9.41E-05	2.72E-04	9.54E-04	pCi/m3	U
1101	587304004	6/13/2022	Selenium-75	-2.37E-04	3.39E-04	1.01E-03	pCi/m3	U
1101	592750004	7/11/2022	Selenium-75	-1.54E-04	3.35E-04	1.02E-03	pCi/m3	U
1101	592751004	8/8/2022	Selenium-75	-3.02E-04	2.80E-04	7.99E-04	pCi/m3	U
1101	600035004	9/5/2022	Selenium-75	-4.84E-04	6.34E-04	1.87E-03	pCi/m3	U
1101	600037004	10/3/2022	Selenium-75	3.48E-04	2.88E-04	9.14E-04	pCi/m3	U
1101	606085004	10/31/2022	Selenium-75	1.87E-04	2.66E-04	9.50E-04	pCi/m3	U
1101	606539004	11/28/2022	Selenium-75	-6.40E-04	3.22E-04	8.66E-04	pCi/m3	U
1101	609493004	12/26/2022	Selenium-75	2.30E-04	3.30E-04	1.02E-03	pCi/m3	U
1101	571510003	1/24/2022	Silver-108m	8.37E-05	1.83E-04	6.30E-04	pCi/m3	U
1101	574141004	2/21/2022	Silver-108m	4.02E-04	3.12E-04	1.14E-03	pCi/m3	U
1101	578170003	3/21/2022	Silver-108m	-1.42E-04	1.84E-04	5.83E-04	pCi/m3	U
1101	582160004	4/18/2022	Silver-108m	8.00E-05	1.58E-04	5.40E-04	pCi/m3	U
1101	585159004	5/16/2022	Silver-108m	-1.59E-04	1.80E-04	5.61E-04	pCi/m3	U
1101	587304004	6/13/2022	Silver-108m	6.65E-05	1.71E-04	5.90E-04	pCi/m3	U
1101	592750004	7/11/2022	Silver-108m	7.95E-05	1.84E-04	5.87E-04	pCi/m3	U
1101	592751004	8/8/2022	Silver-108m	2.22E-05	1.55E-04	5.26E-04	pCi/m3	U
1101	600035004	9/5/2022	Silver-108m	2.53E-04	3.05E-04	1.08E-03	pCi/m3	U
1101	600037004	10/3/2022	Silver-108m	-1.63E-04	1.40E-04	4.26E-04	pCi/m3	U
1101	606085004	10/31/2022	Silver-108m	-5.20E-05	1.30E-04	4.22E-04	pCi/m3	U
1101	606539004	11/28/2022	Silver-108m	-3.08E-04	1.82E-04	5.31E-04	pCi/m3	U
1101	609493004	12/26/2022	Silver-108m	-1.83E-04	2.15E-04	5.24E-04	pCi/m3	U
1101	571510003	1/24/2022	Silver-110m	-2.64E-04	4.77E-04	1.41E-03	pCi/m3	U
1101	574141004	2/21/2022	Silver-110m	-3.99E-04	6.75E-04	2.00E-03	pCi/m3	U
1101	578170003	3/21/2022	Silver-110m	3.96E-04	4.22E-04	1.21E-03	pCi/m3	U
1101	582160004	4/18/2022	Silver-110m	-2.75E-04	3.14E-04	9.52E-04	pCi/m3	U
1101	585159004	5/16/2022	Silver-110m	-9.24E-05	3.49E-04	1.07E-03	pCi/m3	U
1101	587304004	6/13/2022	Silver-110m	-8.22E-04	5.23E-04	1.12E-03	pCi/m3	U
1101	592750004	7/11/2022	Silver-110m	5.29E-05	3.14E-04	9.99E-04	pCi/m3	U
1101	592751004	8/8/2022	Silver-110m	-2.42E-04	3.32E-04	9.63E-04	pCi/m3	U
1101	600035004	9/5/2022	Silver-110m	-2.21E-04	7.46E-04	2.29E-03	pCi/m3	U
1101	600037004	10/3/2022	Silver-110m	-2.30E-04	2.44E-04	6.63E-04	pCi/m3	U
1101	606085004	10/31/2022	Silver-110m	-2.34E-04	4.36E-04	1.15E-03	pCi/m3	U
1101	606539004	11/28/2022	Silver-110m	-3.10E-04	3.72E-04	1.15E-03	pCi/m3	U
1101	609493004	12/26/2022	Silver-110m	-3.53E-05	3.49E-04	1.16E-03	pCi/m3	U
1101	571510003	1/24/2022	Tellurium-132	2.63E-01	6.50E-01	0.00E+00	pCi/m3	UI
1101	574141004	2/21/2022	Tellurium-132	1.09E-01	3.34E-01	0.00E+00	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	578170003	3/21/2022	Tellurium-132	-5.67E-01	7.44E-01	0.00E+00	pCi/m3	U
1101	582160004	4/18/2022	Tellurium-132	4.85E+00	4.89E+01	0.00E+00	pCi/m3	UI
1101	585159004	5/16/2022	Tellurium-132	1.58E+01	1.33E+01	0.00E+00	pCi/m3	UI
1101	587304004	6/13/2022	Tellurium-132	9.07E-01	2.95E+00	0.00E+00	pCi/m3	UI
1101	592750004	7/11/2022	Tellurium-132	-1.29E+03	7.70E+02	0.00E+00	pCi/m3	U
1101	592751004	8/8/2022	Tellurium-132	-1.77E+00	2.16E+00	0.00E+00	pCi/m3	U
1101	600035004	9/5/2022	Tellurium-132	5.71E+02	4.31E+02	0.00E+00	pCi/m3	UI
1101	600037004	10/3/2022	Tellurium-132	3.40E-01	4.27E-01	0.00E+00	pCi/m3	UI
1101	606085004	10/31/2022	Tellurium-132	1.03E+02	2.65E+02	0.00E+00	pCi/m3	UI
1101	606539004	11/28/2022	Tellurium-132	2.39E+00	2.64E+00	0.00E+00	pCi/m3	UI
1101	609493004	12/26/2022	Tellurium-132	-1.35E+00	1.92E+00	0.00E+00	pCi/m3	U
1101	571510003	1/24/2022	Thallium-208	7.62E-04	4.46E-04	8.45E-04	pCi/m3	U
1101	574141004	2/21/2022	Thallium-208	7.80E-04	9.94E-04	1.41E-03	pCi/m3	U
1101	578170003	3/21/2022	Thallium-208	6.21E-04	5.03E-04	5.56E-04	pCi/m3	UI
1101	582160004	4/18/2022	Thallium-208	-7.10E-05	3.04E-04	9.35E-04	pCi/m3	U
1101	585159004	5/16/2022	Thallium-208	-1.65E-04	3.29E-04	1.11E-03	pCi/m3	U
1101	587304004	6/13/2022	Thallium-208	7.11E-05	3.02E-04	1.03E-03	pCi/m3	U
1101	592750004	7/11/2022	Thallium-208	-2.01E-04	3.13E-04	8.86E-04	pCi/m3	U
1101	592751004	8/8/2022	Thallium-208	-2.35E-04	2.50E-04	7.73E-04	pCi/m3	U
1101	600035004	9/5/2022	Thallium-208	3.13E-04	5.18E-04	1.69E-03	pCi/m3	U
1101	600037004	10/3/2022	Thallium-208	1.07E-04	2.35E-04	8.07E-04	pCi/m3	U
1101	606085004	10/31/2022	Thallium-208	-1.08E-04	2.64E-04	8.24E-04	pCi/m3	U
1101	606539004	11/28/2022	Thallium-208	2.69E-04	5.02E-04	8.28E-04	pCi/m3	U
1101	609493004	12/26/2022	Thallium-208	9.91E-04	4.60E-04	6.51E-04	pCi/m3	UI
1101	571510003	1/24/2022	Thorium-228	1.06E-03	7.16E-04	1.51E-03	pCi/m3	U
1101	574141004	2/21/2022	Thorium-228	2.15E-04	1.21E-03	1.71E-03	pCi/m3	U
1101	578170003	3/21/2022	Thorium-228	1.74E-03	6.59E-04	1.42E-03	pCi/m3	UI
1101	582160004	4/18/2022	Thorium-228	1.27E-03	5.76E-04	1.55E-03	pCi/m3	U
1101	585159004	5/16/2022	Thorium-228	-4.62E-04	4.79E-04	1.70E-03	pCi/m3	U
1101	587304004	6/13/2022	Thorium-228	1.14E-04	4.54E-04	1.32E-03	pCi/m3	U
1101	592750004	7/11/2022	Thorium-228	1.45E-04	3.54E-04	1.16E-03	pCi/m3	U
1101	592751004	8/8/2022	Thorium-228	9.03E-05	5.88E-04	1.61E-03	pCi/m3	U
1101	600035004	9/5/2022	Thorium-228	1.10E-03	1.02E-03	2.43E-03	pCi/m3	U
1101	600037004	10/3/2022	Thorium-228	3.60E-04	4.54E-04	1.04E-03	pCi/m3	U
1101	606085004	10/31/2022	Thorium-228	-2.57E-04	3.72E-04	1.04E-03	pCi/m3	U
1101	606539004	11/28/2022	Thorium-228	8.32E-04	6.23E-04	1.45E-03	pCi/m3	U
1101	609493004	12/26/2022	Thorium-228	1.35E-03	5.41E-04	1.06E-03	pCi/m3	U
1101	571510003	1/24/2022	Thorium-230	2.09E-03	9.19E-04	2.90E-03	pCi/m3	U
1101	574141004	2/21/2022	Thorium-230	2.52E-03	1.77E-03	4.20E-03	pCi/m3	U
1101	578170003	3/21/2022	Thorium-230	6.51E-04	7.71E-04	1.94E-03	pCi/m3	U
1101	582160004	4/18/2022	Thorium-230	1.50E-03	6.18E-04	1.51E-03	pCi/m3	U
1101	585159004	5/16/2022	Thorium-230	8.36E-05	7.70E-04	1.80E-03	pCi/m3	U
1101	587304004	6/13/2022	Thorium-230	8.30E-04	8.73E-04	1.55E-03	pCi/m3	U
1101	592750004	7/11/2022	Thorium-230	3.46E-04	5.10E-04	1.70E-03	pCi/m3	U
1101	592751004	8/8/2022	Thorium-230	-1.51E-04	6.23E-04	1.93E-03	pCi/m3	U
1101	600035004	9/5/2022	Thorium-230	2.05E-05	1.11E-03	3.06E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	600037004	10/3/2022	Thorium-230	3.53E-04	5.77E-04	1.43E-03	pCi/m3	U
1101	606085004	10/31/2022	Thorium-230	2.22E-04	4.57E-04	1.49E-03	pCi/m3	U
1101	606539004	11/28/2022	Thorium-230	1.44E-03	1.07E-03	2.04E-03	pCi/m3	U
1101	609493004	12/26/2022	Thorium-230	4.40E-04	7.89E-04	1.77E-03	pCi/m3	U
1101	571510003	1/24/2022	Thorium-232	1.60E-03	9.65E-04	3.83E-03	pCi/m3	U
1101	574141004	2/21/2022	Thorium-232	5.40E-03	4.11E-03	7.86E-03	pCi/m3	U
1101	578170003	3/21/2022	Thorium-232	-1.98E-03	1.06E-03	3.18E-03	pCi/m3	U
1101	582160004	4/18/2022	Thorium-232	-9.25E-05	1.12E-03	3.57E-03	pCi/m3	U
1101	585159004	5/16/2022	Thorium-232	3.39E-03	1.44E-03	4.55E-03	pCi/m3	U
1101	587304004	6/13/2022	Thorium-232	1.92E-03	1.30E-03	4.73E-03	pCi/m3	U
1101	592750004	7/11/2022	Thorium-232	-7.00E-04	9.65E-04	2.86E-03	pCi/m3	U
1101	592751004	8/8/2022	Thorium-232	3.23E-04	1.25E-03	3.58E-03	pCi/m3	U
1101	600035004	9/5/2022	Thorium-232	5.12E-04	3.08E-03	7.72E-03	pCi/m3	U
1101	600037004	10/3/2022	Thorium-232	-5.90E-04	9.81E-04	3.11E-03	pCi/m3	U
1101	606085004	10/31/2022	Thorium-232	-1.52E-03	9.77E-04	3.04E-03	pCi/m3	U
1101	606539004	11/28/2022	Thorium-232	1.80E-04	1.39E-03	4.25E-03	pCi/m3	U
1101	609493004	12/26/2022	Thorium-232	1.03E-03	1.79E-03	3.86E-03	pCi/m3	U
1101	571510003	1/24/2022	Thorium-234	-3.81E-03	3.97E-03	1.51E-02	pCi/m3	U
1101	574141004	2/21/2022	Thorium-234	-5.15E-03	7.91E-03	2.59E-02	pCi/m3	U
1101	578170003	3/21/2022	Thorium-234	1.09E-02	1.16E-02	1.93E-02	pCi/m3	U
1101	582160004	4/18/2022	Thorium-234	1.15E-02	8.12E-03	1.42E-02	pCi/m3	U
1101	585159004	5/16/2022	Thorium-234	7.43E-04	9.90E-03	1.90E-02	pCi/m3	U
1101	587304004	6/13/2022	Thorium-234	-2.63E-03	1.22E-02	3.46E-02	pCi/m3	U
1101	592750004	7/11/2022	Thorium-234	-7.93E-03	5.29E-03	1.76E-02	pCi/m3	U
1101	592751004	8/8/2022	Thorium-234	-1.83E-02	6.78E-03	2.26E-02	pCi/m3	U
1101	600035004	9/5/2022	Thorium-234	-1.91E-02	8.54E-03	2.49E-02	pCi/m3	U
1101	600037004	10/3/2022	Thorium-234	4.70E-04	1.14E-02	1.98E-02	pCi/m3	U
1101	606085004	10/31/2022	Thorium-234	-6.21E-03	5.32E-03	1.62E-02	pCi/m3	U
1101	606539004	11/28/2022	Thorium-234	-6.24E-03	8.53E-03	2.76E-02	pCi/m3	U
1101	609493004	12/26/2022	Thorium-234	-1.04E-02	1.14E-02	3.48E-02	pCi/m3	U
1101	571510003	1/24/2022	Uranium-234	2.09E-03	9.19E-04	2.90E-03	pCi/m3	U
1101	574141004	2/21/2022	Uranium-234	2.52E-03	1.77E-03	4.20E-03	pCi/m3	U
1101	578170003	3/21/2022	Uranium-234	6.51E-04	7.71E-04	1.94E-03	pCi/m3	U
1101	582160004	4/18/2022	Uranium-234	1.50E-03	6.18E-04	1.51E-03	pCi/m3	U
1101	585159004	5/16/2022	Uranium-234	8.36E-05	7.70E-04	1.80E-03	pCi/m3	U
1101	587304004	6/13/2022	Uranium-234	8.30E-04	8.73E-04	1.55E-03	pCi/m3	U
1101	592750004	7/11/2022	Uranium-234	3.46E-04	5.10E-04	1.70E-03	pCi/m3	U
1101	592751004	8/8/2022	Uranium-234	-1.51E-04	6.23E-04	1.93E-03	pCi/m3	U
1101	600035004	9/5/2022	Uranium-234	2.05E-05	1.11E-03	3.06E-03	pCi/m3	U
1101	600037004	10/3/2022	Uranium-234	3.53E-04	5.77E-04	1.43E-03	pCi/m3	U
1101	606085004	10/31/2022	Uranium-234	2.22E-04	4.57E-04	1.49E-03	pCi/m3	U
1101	606539004	11/28/2022	Uranium-234	1.44E-03	1.07E-03	2.04E-03	pCi/m3	U
1101	609493004	12/26/2022	Uranium-234	4.40E-04	7.89E-04	1.77E-03	pCi/m3	U
1101	571510003	1/24/2022	Zinc-65	-1.29E-04	7.05E-04	2.29E-03	pCi/m3	U
1101	574141004	2/21/2022	Zinc-65	-5.07E-04	9.41E-04	2.95E-03	pCi/m3	U
1101	578170003	3/21/2022	Zinc-65	-3.37E-04	5.82E-04	1.84E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	582160004	4/18/2022	Zinc-65	5.47E-04	6.57E-04	2.14E-03	pCi/m3	U
1101	585159004	5/16/2022	Zinc-65	5.44E-04	5.96E-04	2.21E-03	pCi/m3	U
1101	587304004	6/13/2022	Zinc-65	2.12E-05	6.36E-04	2.14E-03	pCi/m3	U
1101	592750004	7/11/2022	Zinc-65	3.08E-05	6.51E-04	2.16E-03	pCi/m3	U
1101	592751004	8/8/2022	Zinc-65	2.67E-04	4.77E-04	1.71E-03	pCi/m3	U
1101	600035004	9/5/2022	Zinc-65	-9.86E-04	1.54E-03	4.17E-03	pCi/m3	U
1101	600037004	10/3/2022	Zinc-65	-6.71E-05	6.34E-04	1.99E-03	pCi/m3	U
1101	606085004	10/31/2022	Zinc-65	1.01E-03	5.95E-04	2.28E-03	pCi/m3	U
1101	606539004	11/28/2022	Zinc-65	-1.69E-04	6.55E-04	2.09E-03	pCi/m3	U
1101	609493004	12/26/2022	Zinc-65	-5.97E-04	6.37E-04	1.94E-03	pCi/m3	U
1101	571510003	1/24/2022	Zirconium-95	-5.66E-05	5.54E-04	1.74E-03	pCi/m3	U
1101	574141004	2/21/2022	Zirconium-95	4.94E-04	1.07E-03	3.60E-03	pCi/m3	U
1101	578170003	3/21/2022	Zirconium-95	-2.06E-04	6.28E-04	1.96E-03	pCi/m3	U
1101	582160004	4/18/2022	Zirconium-95	6.37E-04	7.11E-04	2.59E-03	pCi/m3	U
1101	585159004	5/16/2022	Zirconium-95	-2.61E-04	6.80E-04	2.09E-03	pCi/m3	U
1101	587304004	6/13/2022	Zirconium-95	2.18E-04	5.89E-04	1.97E-03	pCi/m3	U
1101	592750004	7/11/2022	Zirconium-95	4.82E-04	6.66E-04	2.41E-03	pCi/m3	U
1101	592751004	8/8/2022	Zirconium-95	3.29E-04	5.67E-04	1.94E-03	pCi/m3	U
1101	600035004	9/5/2022	Zirconium-95	3.43E-04	1.48E-03	4.86E-03	pCi/m3	U
1101	600037004	10/3/2022	Zirconium-95	-1.31E-04	5.40E-04	1.72E-03	pCi/m3	U
1101	606085004	10/31/2022	Zirconium-95	1.74E-03	7.32E-04	2.86E-03	pCi/m3	U
1101	606539004	11/28/2022	Zirconium-95	-7.28E-04	5.89E-04	1.77E-03	pCi/m3	U
1101	609493004	12/26/2022	Zirconium-95	4.77E-04	7.07E-04	2.38E-03	pCi/m3	U
1102	571510004	1/24/2022	Actinium-228	7.47E-04	1.33E-03	4.59E-03	pCi/m3	U
1102	574141005	2/21/2022	Actinium-228	1.64E-04	1.59E-03	4.85E-03	pCi/m3	U
1102	578170004	3/21/2022	Actinium-228	-2.08E-03	2.34E-03	6.94E-03	pCi/m3	U
1102	582160005	4/18/2022	Actinium-228	7.74E-04	1.45E-03	5.02E-03	pCi/m3	U
1102	585159005	5/16/2022	Actinium-228	2.17E-04	1.31E-03	4.47E-03	pCi/m3	U
1102	587304005	6/13/2022	Actinium-228	4.11E-04	9.66E-04	3.35E-03	pCi/m3	U
1102	592750005	7/11/2022	Actinium-228	-3.27E-04	1.18E-03	4.09E-03	pCi/m3	U
1102	592751005	8/8/2022	Actinium-228	-1.30E-03	1.05E-03	3.21E-03	pCi/m3	U
1102	600035005	9/5/2022	Actinium-228	2.84E-04	1.21E-03	3.96E-03	pCi/m3	U
1102	600037005	10/3/2022	Actinium-228	2.98E-05	1.23E-03	3.87E-03	pCi/m3	U
1102	606085005	10/31/2022	Actinium-228	2.42E-03	1.52E-03	4.82E-03	pCi/m3	U
1102	606539005	11/28/2022	Actinium-228	1.10E-03	1.27E-03	3.65E-03	pCi/m3	U
1102	609493005	12/26/2022	Actinium-228	2.86E-04	1.12E-03	3.82E-03	pCi/m3	U
1102	571510004	1/24/2022	Americium-241	1.04E-05	1.02E-03	3.59E-03	pCi/m3	U
1102	574141005	2/21/2022	Americium-241	1.59E-04	2.48E-04	7.97E-04	pCi/m3	U
1102	578170004	3/21/2022	Americium-241	-4.66E-04	6.73E-04	2.25E-03	pCi/m3	U
1102	582160005	4/18/2022	Americium-241	1.18E-03	1.80E-03	5.12E-03	pCi/m3	U
1102	585159005	5/16/2022	Americium-241	3.22E-05	6.13E-04	1.90E-03	pCi/m3	U
1102	587304005	6/13/2022	Americium-241	-2.21E-04	5.22E-04	1.61E-03	pCi/m3	U
1102	592750005	7/11/2022	Americium-241	-4.82E-04	4.68E-04	1.33E-03	pCi/m3	U
1102	592751005	8/8/2022	Americium-241	-3.25E-04	1.12E-03	3.42E-03	pCi/m3	U
1102	600035005	9/5/2022	Americium-241	-8.45E-04	1.29E-03	3.69E-03	pCi/m3	U
1102	600037005	10/3/2022	Americium-241	5.01E-03	2.14E-03	3.70E-03	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	606085005	10/31/2022	Americium-241	-5.94E-04	1.06E-03	3.34E-03	pCi/m3	U
1102	606539005	11/28/2022	Americium-241	2.13E-04	4.91E-04	1.52E-03	pCi/m3	U
1102	609493005	12/26/2022	Americium-241	2.60E-04	6.90E-04	2.20E-03	pCi/m3	U
1102	571510004	1/24/2022	Antimony-124	-5.27E-04	9.95E-04	3.05E-03	pCi/m3	U
1102	574141005	2/21/2022	Antimony-124	-5.69E-04	1.07E-03	3.04E-03	pCi/m3	U
1102	578170004	3/21/2022	Antimony-124	-1.06E-03	1.69E-03	4.80E-03	pCi/m3	U
1102	582160005	4/18/2022	Antimony-124	-3.71E-04	1.18E-03	3.58E-03	pCi/m3	U
1102	585159005	5/16/2022	Antimony-124	-7.36E-04	1.05E-03	3.15E-03	pCi/m3	U
1102	587304005	6/13/2022	Antimony-124	-1.93E-03	9.72E-04	1.87E-03	pCi/m3	U
1102	592750005	7/11/2022	Antimony-124	1.52E-03	1.25E-03	4.75E-03	pCi/m3	U
1102	592751005	8/8/2022	Antimony-124	-1.97E-05	9.02E-04	2.96E-03	pCi/m3	U
1102	600035005	9/5/2022	Antimony-124	-2.66E-04	1.03E-03	3.15E-03	pCi/m3	U
1102	600037005	10/3/2022	Antimony-124	5.39E-04	7.36E-04	2.63E-03	pCi/m3	U
1102	606085005	10/31/2022	Antimony-124	6.88E-04	1.05E-03	3.88E-03	pCi/m3	U
1102	606539005	11/28/2022	Antimony-124	1.44E-03	1.08E-03	4.16E-03	pCi/m3	U
1102	609493005	12/26/2022	Antimony-124	-4.41E-04	8.10E-04	2.34E-03	pCi/m3	U
1102	571510004	1/24/2022	Antimony-125	-1.60E-04	5.34E-04	1.65E-03	pCi/m3	U
1102	574141005	2/21/2022	Antimony-125	8.07E-04	5.65E-04	2.10E-03	pCi/m3	U
1102	578170004	3/21/2022	Antimony-125	-3.26E-04	1.03E-03	3.37E-03	pCi/m3	U
1102	582160005	4/18/2022	Antimony-125	-4.47E-04	7.36E-04	2.16E-03	pCi/m3	U
1102	585159005	5/16/2022	Antimony-125	1.01E-03	5.72E-04	2.11E-03	pCi/m3	U
1102	587304005	6/13/2022	Antimony-125	-2.04E-04	4.90E-04	1.54E-03	pCi/m3	U
1102	592750005	7/11/2022	Antimony-125	3.31E-04	4.85E-04	1.68E-03	pCi/m3	U
1102	592751005	8/8/2022	Antimony-125	6.53E-04	5.52E-04	1.88E-03	pCi/m3	U
1102	600035005	9/5/2022	Antimony-125	8.49E-05	6.52E-04	2.18E-03	pCi/m3	U
1102	600037005	10/3/2022	Antimony-125	1.66E-03	6.71E-04	2.03E-03	pCi/m3	U
1102	606085005	10/31/2022	Antimony-125	-2.73E-04	4.98E-04	1.57E-03	pCi/m3	U
1102	606539005	11/28/2022	Antimony-125	-3.68E-04	4.44E-04	1.36E-03	pCi/m3	U
1102	609493005	12/26/2022	Antimony-125	-3.90E-04	4.88E-04	1.53E-03	pCi/m3	U
1102	571510004	1/24/2022	Barium-140	-9.13E-03	5.98E-03	1.71E-02	pCi/m3	U
1102	574141005	2/21/2022	Barium-140	1.98E-03	5.97E-03	2.01E-02	pCi/m3	U
1102	578170004	3/21/2022	Barium-140	1.76E-02	1.26E-02	4.57E-02	pCi/m3	U
1102	582160005	4/18/2022	Barium-140	2.56E-02	2.92E-02	7.43E-02	pCi/m3	U
1102	585159005	5/16/2022	Barium-140	-3.42E-03	1.35E-02	4.30E-02	pCi/m3	U
1102	587304005	6/13/2022	Barium-140	-1.58E-03	8.94E-03	2.83E-02	pCi/m3	U
1102	592750005	7/11/2022	Barium-140	-8.67E-03	3.90E-02	1.10E-01	pCi/m3	U
1102	592751005	8/8/2022	Barium-140	7.45E-05	8.00E-03	2.67E-02	pCi/m3	U
1102	600035005	9/5/2022	Barium-140	1.84E-02	3.02E-02	1.01E-01	pCi/m3	U
1102	600037005	10/3/2022	Barium-140	-6.47E-03	5.93E-03	1.72E-02	pCi/m3	U
1102	606085005	10/31/2022	Barium-140	-3.26E-03	2.57E-02	8.31E-02	pCi/m3	U
1102	606539005	11/28/2022	Barium-140	-8.14E-04	6.76E-03	2.18E-02	pCi/m3	U
1102	609493005	12/26/2022	Barium-140	6.86E-03	9.22E-03	3.21E-02	pCi/m3	U
1102	571510004	1/24/2022	Beryllium-7	8.28E-02	9.01E-03	1.10E-02	pCi/m3	U
1102	574141005	2/21/2022	Beryllium-7	1.51E-01	1.01E-02	9.75E-03	pCi/m3	U
1102	578170004	3/21/2022	Beryllium-7	1.43E-01	1.23E-02	1.75E-02	pCi/m3	U
1102	582160005	4/18/2022	Beryllium-7	1.45E-01	1.29E-02	1.43E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	585159005	5/16/2022	Beryllium-7	1.20E-01	1.14E-02	1.23E-02	pCi/m3	
1102	587304005	6/13/2022	Beryllium-7	1.35E-01	8.57E-03	7.70E-03	pCi/m3	
1102	592750005	7/11/2022	Beryllium-7	1.35E-01	1.05E-02	1.38E-02	pCi/m3	
1102	592751005	8/8/2022	Beryllium-7	1.01E-01	8.14E-03	9.84E-03	pCi/m3	
1102	600035005	9/5/2022	Beryllium-7	1.02E-01	1.00E-02	1.60E-02	pCi/m3	
1102	600037005	10/3/2022	Beryllium-7	1.17E-01	7.28E-03	8.95E-03	pCi/m3	
1102	606085005	10/31/2022	Beryllium-7	1.27E-01	1.22E-02	1.15E-02	pCi/m3	
1102	606539005	11/28/2022	Beryllium-7	1.04E-01	7.09E-03	8.88E-03	pCi/m3	
1102	609493005	12/26/2022	Beryllium-7	7.69E-02	7.98E-03	9.38E-03	pCi/m3	
1102	566163011	1/3/2022	BETA	2.21E-02	1.50E-03	1.75E-03	pCi/m3	
1102	566828009	1/10/2022	BETA	4.77E-02	2.11E-03	1.65E-03	pCi/m3	
1102	567642011	1/18/2022	BETA	4.99E-02	1.98E-03	1.42E-03	pCi/m3	
1102	568219009	1/24/2022	BETA	4.54E-02	2.23E-03	2.05E-03	pCi/m3	
1102	568939011	1/31/2022	BETA	5.29E-02	2.21E-03	1.82E-03	pCi/m3	
1102	569538017	2/7/2022	BETA	3.96E-02	1.96E-03	1.65E-03	pCi/m3	
1102	570263009	2/14/2022	BETA	5.06E-02	2.17E-03	1.74E-03	pCi/m3	
1102	571003011	2/21/2022	BETA	4.15E-02	2.00E-03	1.64E-03	pCi/m3	
1102	571635009	2/28/2022	BETA	3.31E-02	1.80E-03	1.83E-03	pCi/m3	
1102	572313011	3/7/2022	BETA	6.19E-02	2.42E-03	1.75E-03	pCi/m3	
1102	573042011	3/14/2022	BETA	3.27E-02	1.79E-03	1.70E-03	pCi/m3	
1102	573808007	3/21/2022	BETA	2.61E-02	1.61E-03	1.70E-03	pCi/m3	
1102	574541011	3/28/2022	BETA	2.34E-02	1.53E-03	1.83E-03	pCi/m3	
1102	575128009	4/4/2022	BETA	3.04E-02	1.73E-03	1.80E-03	pCi/m3	
1102	576089009	4/11/2022	BETA	2.85E-02	1.63E-03	1.65E-03	pCi/m3	
1102	576842009	4/18/2022	BETA	3.14E-02	1.76E-03	1.68E-03	pCi/m3	
1102	577600009	4/25/2022	BETA	4.12E-02	2.00E-03	1.99E-03	pCi/m3	
1102	578408009	5/3/2022	BETA	3.61E-02	1.73E-03	1.46E-03	pCi/m3	
1102	579260013	5/9/2022	BETA	2.39E-02	1.63E-03	1.82E-03	pCi/m3	
1102	580039009	5/16/2022	BETA	3.61E-02	1.87E-03	1.84E-03	pCi/m3	
1102	580690009	5/23/2022	BETA	4.75E-02	2.12E-03	1.70E-03	pCi/m3	
1102	581375009	5/30/2022	BETA	3.32E-02	1.81E-03	1.73E-03	pCi/m3	
1102	581944021	6/6/2022	BETA	3.00E-02	1.46E-03	1.24E-03	pCi/m3	
1102	582792009	6/13/2022	BETA	3.17E-02	1.54E-03	1.47E-03	pCi/m3	
1102	583523011	6/20/2022	BETA	3.23E-02	1.59E-03	1.60E-03	pCi/m3	
1102	584133009	6/27/2022	BETA	4.55E-02	1.84E-03	1.38E-03	pCi/m3	
1102	584820009	7/4/2022	BETA	2.55E-02	1.36E-03	1.43E-03	pCi/m3	
1102	585556009	7/11/2022	BETA	2.44E-02	1.39E-03	1.34E-03	pCi/m3	
1102	586336009	7/18/2022	BETA	3.86E-02	1.72E-03	1.35E-03	pCi/m3	
1102	587158009	7/25/2022	BETA	2.64E-02	1.40E-03	1.44E-03	pCi/m3	
1102	587887009	8/1/2022	BETA	1.73E-02	1.12E-03	1.21E-03	pCi/m3	
1102	588821011	8/8/2022	BETA	2.07E-02	1.26E-03	1.51E-03	pCi/m3	
1102	589631011	8/15/2022	BETA	2.82E-02	1.42E-03	1.27E-03	pCi/m3	
1102	590529009	8/22/2022	BETA	4.88E-02	1.84E-03	1.30E-03	pCi/m3	
1102	590546013	8/29/2022	BETA	3.02E-02	1.49E-03	1.40E-03	pCi/m3	
1102	592023009	9/5/2022	BETA	2.86E-02	1.47E-03	1.42E-03	pCi/m3	
1102	592701009	9/12/2022	BETA	2.52E-02	1.36E-03	1.26E-03	pCi/m3	

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	593604011	9/19/2022	BETA	4.42E-02	1.78E-03	1.39E-03	pCi/m3	
1102	594422009	9/26/2022	BETA	4.71E-02	1.81E-03	1.26E-03	pCi/m3	
1102	594990009	10/3/2022	BETA	2.96E-02	1.48E-03	1.40E-03	pCi/m3	
1102	596158009	10/10/2022	BETA	4.20E-02	1.73E-03	1.28E-03	pCi/m3	
1102	597076009	10/17/2022	BETA	4.90E-02	1.86E-03	1.26E-03	pCi/m3	
1102	597935009	10/24/2022	BETA	4.52E-02	1.82E-03	1.47E-03	pCi/m3	
1102	598808009	10/31/2022	BETA	2.90E-02	1.48E-03	1.46E-03	pCi/m3	
1102	599716009	11/7/2022	BETA	5.05E-02	1.89E-03	1.26E-03	pCi/m3	
1102	600681009	11/14/2022	BETA	3.36E-02	1.58E-03	1.29E-03	pCi/m3	
1102	601449009	11/21/2022	BETA	4.69E-02	1.87E-03	1.32E-03	pCi/m3	
1102	602125013	11/28/2022	BETA	4.88E-02	1.90E-03	1.28E-03	pCi/m3	
1102	602823013	12/5/2022	BETA	5.08E-02	2.11E-03	1.58E-03	pCi/m3	
1102	603758009	12/12/2022	BETA	2.62E-02	1.40E-03	1.33E-03	pCi/m3	
1102	604618009	12/19/2022	BETA	3.90E-02	1.70E-03	1.36E-03	pCi/m3	
1102	605325009	12/26/2022	BETA	3.59E-02	1.64E-03	1.30E-03	pCi/m3	
1102	571510004	1/24/2022	Bismuth-214	-1.39E-04	7.66E-04	2.39E-03	pCi/m3	U
1102	574141005	2/21/2022	Bismuth-214	8.53E-04	7.09E-04	2.49E-03	pCi/m3	U
1102	578170004	3/21/2022	Bismuth-214	1.65E-03	1.54E-03	4.45E-03	pCi/m3	U
1102	582160005	4/18/2022	Bismuth-214	2.14E-03	1.01E-03	2.53E-03	pCi/m3	U
1102	585159005	5/16/2022	Bismuth-214	3.37E-04	6.34E-04	2.02E-03	pCi/m3	U
1102	587304005	6/13/2022	Bismuth-214	3.02E-05	6.72E-04	1.85E-03	pCi/m3	U
1102	592750005	7/11/2022	Bismuth-214	1.06E-03	7.81E-04	1.37E-03	pCi/m3	U
1102	592751005	8/8/2022	Bismuth-214	1.89E-04	5.78E-04	1.88E-03	pCi/m3	U
1102	600035005	9/5/2022	Bismuth-214	8.68E-04	1.12E-03	2.22E-03	pCi/m3	U
1102	600037005	10/3/2022	Bismuth-214	-1.13E-03	6.89E-04	2.07E-03	pCi/m3	U
1102	606085005	10/31/2022	Bismuth-214	7.03E-04	8.33E-04	2.24E-03	pCi/m3	U
1102	606539005	11/28/2022	Bismuth-214	1.69E-03	8.89E-04	1.40E-03	pCi/m3	UI
1102	609493005	12/26/2022	Bismuth-214	4.51E-04	6.29E-04	2.11E-03	pCi/m3	U
1102	571510004	1/24/2022	Cerium-141	3.92E-04	4.81E-04	1.63E-03	pCi/m3	U
1102	574141005	2/21/2022	Cerium-141	-5.84E-04	4.66E-04	1.37E-03	pCi/m3	U
1102	578170004	3/21/2022	Cerium-141	-4.47E-04	9.12E-04	2.90E-03	pCi/m3	U
1102	582160005	4/18/2022	Cerium-141	2.05E-03	3.35E-03	3.11E-03	pCi/m3	U
1102	585159005	5/16/2022	Cerium-141	-8.71E-04	6.74E-04	1.99E-03	pCi/m3	U
1102	587304005	6/13/2022	Cerium-141	-4.56E-04	5.36E-04	1.55E-03	pCi/m3	U
1102	592750005	7/11/2022	Cerium-141	1.41E-04	1.07E-03	3.40E-03	pCi/m3	U
1102	592751005	8/8/2022	Cerium-141	-3.07E-04	5.99E-04	1.89E-03	pCi/m3	U
1102	600035005	9/5/2022	Cerium-141	1.09E-03	1.78E-03	2.71E-03	pCi/m3	U
1102	600037005	10/3/2022	Cerium-141	-7.52E-04	6.25E-04	1.59E-03	pCi/m3	U
1102	606085005	10/31/2022	Cerium-141	-9.62E-04	1.03E-03	3.07E-03	pCi/m3	U
1102	606539005	11/28/2022	Cerium-141	-9.38E-04	5.85E-04	1.67E-03	pCi/m3	U
1102	609493005	12/26/2022	Cerium-141	7.10E-04	6.28E-04	2.14E-03	pCi/m3	U
1102	571510004	1/24/2022	Cerium-144	2.44E-04	1.01E-03	3.32E-03	pCi/m3	U
1102	574141005	2/21/2022	Cerium-144	-1.51E-03	1.05E-03	3.09E-03	pCi/m3	U
1102	578170004	3/21/2022	Cerium-144	-2.04E-03	1.84E-03	5.70E-03	pCi/m3	U
1102	582160005	4/18/2022	Cerium-144	3.22E-04	1.30E-03	4.45E-03	pCi/m3	U
1102	585159005	5/16/2022	Cerium-144	5.08E-04	1.18E-03	3.86E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	587304005	6/13/2022	Cerium-144	-3.80E-04	8.79E-04	2.94E-03	pCi/m3	U
1102	592750005	7/11/2022	Cerium-144	-1.08E-03	1.04E-03	3.12E-03	pCi/m3	U
1102	592751005	8/8/2022	Cerium-144	1.33E-04	1.06E-03	3.49E-03	pCi/m3	U
1102	600035005	9/5/2022	Cerium-144	1.02E-04	1.21E-03	3.83E-03	pCi/m3	U
1102	600037005	10/3/2022	Cerium-144	7.09E-04	1.07E-03	3.46E-03	pCi/m3	U
1102	606085005	10/31/2022	Cerium-144	8.92E-04	1.32E-03	4.04E-03	pCi/m3	U
1102	606539005	11/28/2022	Cerium-144	-1.67E-03	9.23E-04	2.56E-03	pCi/m3	U
1102	609493005	12/26/2022	Cerium-144	-2.75E-04	1.02E-03	3.00E-03	pCi/m3	U
1102	571510004	1/24/2022	Cesium-134	4.60E-04	3.10E-04	1.09E-03	pCi/m3	U
1102	574141005	2/21/2022	Cesium-134	-3.19E-05	4.73E-04	1.43E-03	pCi/m3	U
1102	578170004	3/21/2022	Cesium-134	1.92E-03	7.06E-04	2.11E-03	pCi/m3	U
1102	582160005	4/18/2022	Cesium-134	-3.32E-04	3.08E-04	9.35E-04	pCi/m3	U
1102	585159005	5/16/2022	Cesium-134	-1.41E-04	2.44E-04	7.79E-04	pCi/m3	U
1102	587304005	6/13/2022	Cesium-134	-1.04E-04	2.06E-04	6.56E-04	pCi/m3	U
1102	592750005	7/11/2022	Cesium-134	-1.04E-05	2.54E-04	8.58E-04	pCi/m3	U
1102	592751005	8/8/2022	Cesium-134	3.66E-04	2.63E-04	9.76E-04	pCi/m3	U
1102	600035005	9/5/2022	Cesium-134	4.23E-04	2.68E-04	1.00E-03	pCi/m3	U
1102	600037005	10/3/2022	Cesium-134	-1.22E-04	2.49E-04	8.12E-04	pCi/m3	U
1102	606085005	10/31/2022	Cesium-134	1.35E-04	3.10E-04	1.04E-03	pCi/m3	U
1102	606539005	11/28/2022	Cesium-134	5.31E-04	2.38E-04	9.14E-04	pCi/m3	U
1102	609493005	12/26/2022	Cesium-134	3.71E-05	2.78E-04	9.07E-04	pCi/m3	U
1102	571510004	1/24/2022	Cesium-137	-8.25E-05	2.57E-04	8.06E-04	pCi/m3	U
1102	574141005	2/21/2022	Cesium-137	-2.64E-04	3.34E-04	8.44E-04	pCi/m3	U
1102	578170004	3/21/2022	Cesium-137	-1.43E-04	5.28E-04	1.68E-03	pCi/m3	U
1102	582160005	4/18/2022	Cesium-137	-1.62E-04	3.59E-04	1.10E-03	pCi/m3	U
1102	585159005	5/16/2022	Cesium-137	-4.13E-04	3.70E-04	1.29E-03	pCi/m3	U
1102	587304005	6/13/2022	Cesium-137	1.13E-04	2.19E-04	7.31E-04	pCi/m3	U
1102	592750005	7/11/2022	Cesium-137	3.89E-04	2.55E-04	8.53E-04	pCi/m3	U
1102	592751005	8/8/2022	Cesium-137	2.91E-04	2.05E-04	7.70E-04	pCi/m3	U
1102	600035005	9/5/2022	Cesium-137	4.32E-04	2.56E-04	9.50E-04	pCi/m3	U
1102	600037005	10/3/2022	Cesium-137	8.03E-04	5.15E-04	7.00E-04	pCi/m3	UI
1102	606085005	10/31/2022	Cesium-137	3.39E-04	2.49E-04	9.07E-04	pCi/m3	U
1102	606539005	11/28/2022	Cesium-137	5.48E-04	2.31E-04	5.34E-04	pCi/m3	UI
1102	609493005	12/26/2022	Cesium-137	-2.58E-04	2.14E-04	6.04E-04	pCi/m3	U
1102	571510004	1/24/2022	Chromium-51	2.12E-03	3.80E-03	1.29E-02	pCi/m3	U
1102	574141005	2/21/2022	Chromium-51	-8.58E-04	3.65E-03	1.21E-02	pCi/m3	U
1102	578170004	3/21/2022	Chromium-51	4.10E-03	7.58E-03	2.67E-02	pCi/m3	U
1102	582160005	4/18/2022	Chromium-51	-2.20E-03	8.32E-03	2.69E-02	pCi/m3	U
1102	585159005	5/16/2022	Chromium-51	4.11E-04	5.24E-03	1.60E-02	pCi/m3	U
1102	587304005	6/13/2022	Chromium-51	2.11E-03	4.23E-03	1.44E-02	pCi/m3	U
1102	592750005	7/11/2022	Chromium-51	-9.37E-03	7.82E-03	2.43E-02	pCi/m3	U
1102	592751005	8/8/2022	Chromium-51	-6.76E-04	4.43E-03	1.24E-02	pCi/m3	U
1102	600035005	9/5/2022	Chromium-51	-6.49E-03	8.15E-03	2.60E-02	pCi/m3	U
1102	600037005	10/3/2022	Chromium-51	4.74E-04	3.81E-03	1.24E-02	pCi/m3	U
1102	606085005	10/31/2022	Chromium-51	-3.41E-04	8.16E-03	2.75E-02	pCi/m3	U
1102	606539005	11/28/2022	Chromium-51	5.86E-03	4.20E-03	1.52E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	609493005	12/26/2022	Chromium-51	-1.13E-03	4.46E-03	1.34E-02	pCi/m3	U
1102	571510004	1/24/2022	Cobalt-57	1.06E-05	1.15E-04	3.80E-04	pCi/m3	U
1102	574141005	2/21/2022	Cobalt-57	-8.04E-05	1.16E-04	3.58E-04	pCi/m3	U
1102	578170004	3/21/2022	Cobalt-57	2.23E-04	2.18E-04	7.52E-04	pCi/m3	U
1102	582160005	4/18/2022	Cobalt-57	2.14E-04	1.72E-04	6.15E-04	pCi/m3	U
1102	585159005	5/16/2022	Cobalt-57	-4.42E-05	1.29E-04	4.09E-04	pCi/m3	U
1102	587304005	6/13/2022	Cobalt-57	-1.56E-04	1.11E-04	3.55E-04	pCi/m3	U
1102	592750005	7/11/2022	Cobalt-57	-3.81E-05	1.25E-04	3.91E-04	pCi/m3	U
1102	592751005	8/8/2022	Cobalt-57	-2.07E-04	1.22E-04	3.55E-04	pCi/m3	U
1102	600035005	9/5/2022	Cobalt-57	-1.48E-04	1.58E-04	4.70E-04	pCi/m3	U
1102	600037005	10/3/2022	Cobalt-57	1.96E-04	1.51E-04	5.06E-04	pCi/m3	U
1102	606085005	10/31/2022	Cobalt-57	9.05E-05	1.68E-04	5.13E-04	pCi/m3	U
1102	606539005	11/28/2022	Cobalt-57	4.21E-05	1.21E-04	3.91E-04	pCi/m3	U
1102	609493005	12/26/2022	Cobalt-57	2.41E-05	1.25E-04	4.12E-04	pCi/m3	U
1102	571510004	1/24/2022	Cobalt-58	8.32E-05	3.47E-04	1.19E-03	pCi/m3	U
1102	574141005	2/21/2022	Cobalt-58	-3.58E-04	3.09E-04	8.96E-04	pCi/m3	U
1102	578170004	3/21/2022	Cobalt-58	2.24E-05	5.40E-04	1.74E-03	pCi/m3	U
1102	582160005	4/18/2022	Cobalt-58	9.17E-06	5.04E-04	1.71E-03	pCi/m3	U
1102	585159005	5/16/2022	Cobalt-58	-1.71E-05	3.35E-04	1.13E-03	pCi/m3	U
1102	587304005	6/13/2022	Cobalt-58	5.06E-04	2.81E-04	1.11E-03	pCi/m3	U
1102	592750005	7/11/2022	Cobalt-58	6.67E-04	4.49E-04	1.69E-03	pCi/m3	U
1102	592751005	8/8/2022	Cobalt-58	-2.59E-04	2.95E-04	8.47E-04	pCi/m3	U
1102	600035005	9/5/2022	Cobalt-58	3.92E-04	4.42E-04	1.54E-03	pCi/m3	U
1102	600037005	10/3/2022	Cobalt-58	3.96E-04	2.76E-04	1.02E-03	pCi/m3	U
1102	606085005	10/31/2022	Cobalt-58	4.12E-04	4.25E-04	1.51E-03	pCi/m3	U
1102	606539005	11/28/2022	Cobalt-58	2.28E-04	3.22E-04	1.10E-03	pCi/m3	U
1102	609493005	12/26/2022	Cobalt-58	-2.58E-04	3.48E-04	1.02E-03	pCi/m3	U
1102	571510004	1/24/2022	Cobalt-60	2.60E-04	3.15E-04	1.15E-03	pCi/m3	U
1102	574141005	2/21/2022	Cobalt-60	1.00E-04	3.97E-04	1.34E-03	pCi/m3	U
1102	578170004	3/21/2022	Cobalt-60	9.31E-04	6.21E-04	2.36E-03	pCi/m3	U
1102	582160005	4/18/2022	Cobalt-60	4.49E-06	2.07E-04	6.84E-04	pCi/m3	U
1102	585159005	5/16/2022	Cobalt-60	1.15E-04	2.56E-04	8.84E-04	pCi/m3	U
1102	587304005	6/13/2022	Cobalt-60	-2.38E-04	2.26E-04	6.06E-04	pCi/m3	U
1102	592750005	7/11/2022	Cobalt-60	3.81E-04	3.13E-04	1.15E-03	pCi/m3	U
1102	592751005	8/8/2022	Cobalt-60	1.18E-05	1.48E-04	5.08E-04	pCi/m3	U
1102	600035005	9/5/2022	Cobalt-60	-8.00E-05	3.07E-04	9.79E-04	pCi/m3	U
1102	600037005	10/3/2022	Cobalt-60	-3.45E-04	2.55E-04	7.48E-04	pCi/m3	U
1102	606085005	10/31/2022	Cobalt-60	-2.95E-04	3.14E-04	6.06E-04	pCi/m3	U
1102	606539005	11/28/2022	Cobalt-60	-2.07E-04	1.81E-04	4.48E-04	pCi/m3	U
1102	609493005	12/26/2022	Cobalt-60	1.61E-04	2.05E-04	7.67E-04	pCi/m3	U
1102	571510004	1/24/2022	Iron-59	-7.32E-04	8.81E-04	2.52E-03	pCi/m3	U
1102	574141005	2/21/2022	Iron-59	-4.00E-04	1.07E-03	3.41E-03	pCi/m3	U
1102	578170004	3/21/2022	Iron-59	-1.94E-03	1.50E-03	3.97E-03	pCi/m3	U
1102	582160005	4/18/2022	Iron-59	-5.06E-04	1.39E-03	4.45E-03	pCi/m3	U
1102	585159005	5/16/2022	Iron-59	7.81E-04	7.88E-04	2.96E-03	pCi/m3	U
1102	587304005	6/13/2022	Iron-59	-9.01E-04	8.06E-04	2.28E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	592750005	7/11/2022	Iron-59	1.06E-03	1.33E-03	4.77E-03	pCi/m3	U
1102	592751005	8/8/2022	Iron-59	-6.12E-04	9.08E-04	2.60E-03	pCi/m3	U
1102	600035005	9/5/2022	Iron-59	1.47E-03	1.40E-03	5.20E-03	pCi/m3	U
1102	600037005	10/3/2022	Iron-59	4.72E-04	7.45E-04	2.57E-03	pCi/m3	U
1102	606085005	10/31/2022	Iron-59	5.40E-04	1.43E-03	5.09E-03	pCi/m3	U
1102	606539005	11/28/2022	Iron-59	-1.08E-03	8.06E-04	2.23E-03	pCi/m3	U
1102	609493005	12/26/2022	Iron-59	-9.85E-04	7.97E-04	2.25E-03	pCi/m3	U
1102	571510004	1/24/2022	Lanthanum-140	1.81E-03	2.65E-03	9.49E-03	pCi/m3	U
1102	574141005	2/21/2022	Lanthanum-140	-2.46E-03	1.42E-03	0.00E+00	pCi/m3	U
1102	578170004	3/21/2022	Lanthanum-140	-7.86E-03	5.32E-03	1.32E-02	pCi/m3	U
1102	582160005	4/18/2022	Lanthanum-140	-1.94E-03	7.07E-03	2.18E-02	pCi/m3	U
1102	585159005	5/16/2022	Lanthanum-140	2.02E-03	3.80E-03	1.40E-02	pCi/m3	U
1102	587304005	6/13/2022	Lanthanum-140	-6.50E-05	3.45E-03	1.11E-02	pCi/m3	U
1102	592750005	7/11/2022	Lanthanum-140	9.05E-03	1.47E-02	5.15E-02	pCi/m3	U
1102	592751005	8/8/2022	Lanthanum-140	6.36E-05	2.47E-03	8.22E-03	pCi/m3	U
1102	600035005	9/5/2022	Lanthanum-140	-2.47E-02	1.11E-02	1.87E-02	pCi/m3	U
1102	600037005	10/3/2022	Lanthanum-140	-1.63E-03	2.24E-03	6.84E-03	pCi/m3	U
1102	606085005	10/31/2022	Lanthanum-140	-1.95E-02	1.08E-02	2.44E-02	pCi/m3	U
1102	606539005	11/28/2022	Lanthanum-140	-5.54E-03	3.15E-03	6.87E-03	pCi/m3	U
1102	609493005	12/26/2022	Lanthanum-140	-3.61E-03	4.34E-03	1.19E-02	pCi/m3	U
1102	571510004	1/24/2022	Lead-210	3.71E-02	3.36E-02	1.11E-01	pCi/m3	U
1102	574141005	2/21/2022	Lead-210	2.50E-02	5.90E-03	6.62E-03	pCi/m3	U
1102	578170004	3/21/2022	Lead-210	2.93E-02	5.65E-03	2.15E-02	pCi/m3	UI
1102	582160005	4/18/2022	Lead-210	-7.70E-02	5.26E-02	1.51E-01	pCi/m3	U
1102	585159005	5/16/2022	Lead-210	2.51E-02	2.27E-02	4.54E-02	pCi/m3	U
1102	587304005	6/13/2022	Lead-210	2.41E-02	1.79E-02	3.06E-02	pCi/m3	U
1102	592750005	7/11/2022	Lead-210	1.75E-02	1.58E-02	2.38E-02	pCi/m3	U
1102	592751005	8/8/2022	Lead-210	5.90E-03	5.59E-02	1.77E-01	pCi/m3	U
1102	600035005	9/5/2022	Lead-210	-2.35E-03	4.36E-02	1.42E-01	pCi/m3	U
1102	600037005	10/3/2022	Lead-210	1.18E-01	4.07E-02	1.45E-01	pCi/m3	U
1102	606085005	10/31/2022	Lead-210	7.14E-02	3.92E-02	1.42E-01	pCi/m3	U
1102	606539005	11/28/2022	Lead-210	2.52E-02	2.20E-02	3.22E-02	pCi/m3	U
1102	609493005	12/26/2022	Lead-210	1.14E-01	3.35E-02	5.21E-02	pCi/m3	U
1102	571510004	1/24/2022	Lead-212	9.19E-04	5.46E-04	1.55E-03	pCi/m3	U
1102	574141005	2/21/2022	Lead-212	3.66E-04	6.29E-04	1.22E-03	pCi/m3	U
1102	578170004	3/21/2022	Lead-212	8.12E-04	1.05E-03	1.72E-03	pCi/m3	U
1102	582160005	4/18/2022	Lead-212	1.20E-03	6.52E-04	1.71E-03	pCi/m3	U
1102	585159005	5/16/2022	Lead-212	6.79E-04	6.64E-04	1.51E-03	pCi/m3	U
1102	587304005	6/13/2022	Lead-212	1.83E-03	5.29E-04	1.56E-03	pCi/m3	UI
1102	592750005	7/11/2022	Lead-212	1.35E-04	5.57E-04	1.00E-03	pCi/m3	U
1102	592751005	8/8/2022	Lead-212	-7.29E-04	4.22E-04	1.19E-03	pCi/m3	U
1102	600035005	9/5/2022	Lead-212	8.51E-04	9.01E-04	1.70E-03	pCi/m3	U
1102	600037005	10/3/2022	Lead-212	-3.98E-04	3.87E-04	1.27E-03	pCi/m3	U
1102	606085005	10/31/2022	Lead-212	1.08E-04	7.80E-04	1.52E-03	pCi/m3	U
1102	606539005	11/28/2022	Lead-212	2.22E-03	6.15E-04	1.57E-03	pCi/m3	UI
1102	609493005	12/26/2022	Lead-212	1.21E-03	8.02E-04	1.80E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1102	571510004	1/24/2022	Lead-214	1.84E-03	8.81E-04	2.10E-03	pCi/m3	U
1102	574141005	2/21/2022	Lead-214	2.65E-03	9.89E-04	2.45E-03	pCi/m3	UI
1102	578170004	3/21/2022	Lead-214	5.54E-04	1.36E-03	3.30E-03	pCi/m3	U
1102	582160005	4/18/2022	Lead-214	1.17E-03	5.31E-04	1.96E-03	pCi/m3	U
1102	585159005	5/16/2022	Lead-214	1.34E-03	8.32E-04	1.84E-03	pCi/m3	U
1102	587304005	6/13/2022	Lead-214	1.62E-03	6.74E-04	1.58E-03	pCi/m3	UI
1102	592750005	7/11/2022	Lead-214	2.00E-03	8.23E-04	1.86E-03	pCi/m3	UI
1102	592751005	8/8/2022	Lead-214	8.93E-04	6.03E-04	1.73E-03	pCi/m3	U
1102	600035005	9/5/2022	Lead-214	1.65E-03	4.47E-04	1.82E-03	pCi/m3	U
1102	600037005	10/3/2022	Lead-214	1.41E-03	9.02E-04	1.90E-03	pCi/m3	U
1102	606085005	10/31/2022	Lead-214	2.18E-05	7.90E-04	1.95E-03	pCi/m3	U
1102	606539005	11/28/2022	Lead-214	1.34E-03	7.36E-04	1.82E-03	pCi/m3	U
1102	609493005	12/26/2022	Lead-214	3.94E-04	7.63E-04	1.54E-03	pCi/m3	U
1102	571510004	1/24/2022	Manganese-54	-4.59E-05	3.52E-04	1.01E-03	pCi/m3	U
1102	574141005	2/21/2022	Manganese-54	2.74E-04	3.30E-04	1.10E-03	pCi/m3	U
1102	578170004	3/21/2022	Manganese-54	8.93E-05	4.46E-04	1.46E-03	pCi/m3	U
1102	582160005	4/18/2022	Manganese-54	-4.27E-04	2.68E-04	7.47E-04	pCi/m3	U
1102	585159005	5/16/2022	Manganese-54	9.81E-04	4.96E-04	9.03E-04	pCi/m3	UI
1102	587304005	6/13/2022	Manganese-54	-2.05E-04	2.25E-04	5.70E-04	pCi/m3	U
1102	592750005	7/11/2022	Manganese-54	-2.96E-04	2.82E-04	7.28E-04	pCi/m3	U
1102	592751005	8/8/2022	Manganese-54	3.83E-04	2.67E-04	9.84E-04	pCi/m3	U
1102	600035005	9/5/2022	Manganese-54	1.64E-04	2.67E-04	9.10E-04	pCi/m3	U
1102	600037005	10/3/2022	Manganese-54	2.83E-04	2.51E-04	8.44E-04	pCi/m3	U
1102	606085005	10/31/2022	Manganese-54	1.42E-04	2.67E-04	9.02E-04	pCi/m3	U
1102	606539005	11/28/2022	Manganese-54	-1.91E-05	2.27E-04	7.64E-04	pCi/m3	U
1102	609493005	12/26/2022	Manganese-54	1.79E-04	2.70E-04	9.21E-04	pCi/m3	U
1102	571510004	1/24/2022	Molybdenum-99	-3.89E+01	3.30E+01	0.00E+00	pCi/m3	U
1102	574141005	2/21/2022	Molybdenum-99	1.73E+01	1.06E+01	0.00E+00	pCi/m3	UI
1102	578170004	3/21/2022	Molybdenum-99	-1.82E+01	9.68E+01	0.00E+00	pCi/m3	U
1102	582160005	4/18/2022	Molybdenum-99	5.19E+03	7.90E+03	0.00E+00	pCi/m3	UI
1102	585159005	5/16/2022	Molybdenum-99	-3.19E+02	1.12E+03	0.00E+00	pCi/m3	U
1102	587304005	6/13/2022	Molybdenum-99	-7.99E+00	1.35E+02	0.00E+00	pCi/m3	U
1102	592750005	7/11/2022	Molybdenum-99	6.55E+04	1.49E+05	0.00E+00	pCi/m3	UI
1102	592751005	8/8/2022	Molybdenum-99	-2.29E+01	1.07E+02	0.00E+00	pCi/m3	U
1102	600035005	9/5/2022	Molybdenum-99	-2.31E+04	3.02E+04	0.00E+00	pCi/m3	U
1102	600037005	10/3/2022	Molybdenum-99	-5.29E+00	2.07E+01	0.00E+00	pCi/m3	U
1102	606085005	10/31/2022	Molybdenum-99	4.45E+04	4.33E+04	0.00E+00	pCi/m3	UI
1102	606539005	11/28/2022	Molybdenum-99	-7.81E-01	1.34E+02	0.00E+00	pCi/m3	U
1102	609493005	12/26/2022	Molybdenum-99	-2.64E+01	1.48E+02	0.00E+00	pCi/m3	U
1102	571510004	1/24/2022	Niobium-95	5.46E-04	3.68E-04	1.40E-03	pCi/m3	U
1102	574141005	2/21/2022	Niobium-95	-2.70E-05	4.64E-04	1.33E-03	pCi/m3	U
1102	578170004	3/21/2022	Niobium-95	-1.20E-03	6.28E-04	1.56E-03	pCi/m3	U
1102	582160005	4/18/2022	Niobium-95	3.88E-04	4.84E-04	1.60E-03	pCi/m3	U
1102	585159005	5/16/2022	Niobium-95	-1.54E-04	3.25E-04	1.05E-03	pCi/m3	U
1102	587304005	6/13/2022	Niobium-95	-8.06E-05	3.33E-04	1.10E-03	pCi/m3	U
1102	592750005	7/11/2022	Niobium-95	1.62E-04	4.76E-04	1.56E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1102	592751005	8/8/2022	Niobium-95	4.49E-04	3.46E-04	1.27E-03	pCi/m3	U
1102	600035005	9/5/2022	Niobium-95	5.54E-04	5.73E-04	1.98E-03	pCi/m3	U
1102	600037005	10/3/2022	Niobium-95	-6.75E-04	3.40E-04	8.91E-04	pCi/m3	U
1102	606085005	10/31/2022	Niobium-95	6.01E-04	4.67E-04	1.70E-03	pCi/m3	U
1102	606539005	11/28/2022	Niobium-95	4.31E-04	3.47E-04	1.24E-03	pCi/m3	U
1102	609493005	12/26/2022	Niobium-95	1.27E-03	5.82E-04	9.71E-04	pCi/m3	UI
1102	571510004	1/24/2022	Potassium-40	6.25E-03	5.08E-03	1.89E-02	pCi/m3	U
1102	574141005	2/21/2022	Potassium-40	1.59E-02	6.39E-03	1.51E-02	pCi/m3	UI
1102	578170004	3/21/2022	Potassium-40	2.74E-03	1.22E-02	1.72E-02	pCi/m3	U
1102	582160005	4/18/2022	Potassium-40	1.11E-02	4.73E-03	1.76E-02	pCi/m3	U
1102	585159005	5/16/2022	Potassium-40	5.73E-03	3.63E-03	8.90E-03	pCi/m3	U
1102	587304005	6/13/2022	Potassium-40	4.59E-03	3.81E-03	5.79E-03	pCi/m3	U
1102	592750005	7/11/2022	Potassium-40	1.45E-02	5.32E-03	7.67E-03	pCi/m3	U
1102	592751005	8/8/2022	Potassium-40	2.51E-02	6.01E-03	7.03E-03	pCi/m3	U
1102	600035005	9/5/2022	Potassium-40	1.03E-02	5.64E-03	3.73E-03	pCi/m3	UI
1102	600037005	10/3/2022	Potassium-40	1.68E-02	5.16E-03	8.11E-03	pCi/m3	U
1102	606085005	10/31/2022	Potassium-40	1.66E-02	6.45E-03	6.52E-03	pCi/m3	U
1102	606539005	11/28/2022	Potassium-40	2.84E-03	3.98E-03	5.59E-03	pCi/m3	U
1102	609493005	12/26/2022	Potassium-40	8.73E-03	4.42E-03	9.60E-03	pCi/m3	U
1102	571510004	1/24/2022	Radium-226	-1.39E-04	7.66E-04	2.39E-03	pCi/m3	U
1102	574141005	2/21/2022	Radium-226	8.53E-04	7.09E-04	2.49E-03	pCi/m3	U
1102	578170004	3/21/2022	Radium-226	1.65E-03	1.54E-03	4.45E-03	pCi/m3	U
1102	582160005	4/18/2022	Radium-226	2.14E-03	1.01E-03	2.53E-03	pCi/m3	U
1102	585159005	5/16/2022	Radium-226	3.37E-04	6.34E-04	2.02E-03	pCi/m3	U
1102	587304005	6/13/2022	Radium-226	3.02E-05	6.72E-04	1.85E-03	pCi/m3	U
1102	592750005	7/11/2022	Radium-226	1.06E-03	7.81E-04	1.37E-03	pCi/m3	U
1102	592751005	8/8/2022	Radium-226	1.89E-04	5.78E-04	1.88E-03	pCi/m3	U
1102	600035005	9/5/2022	Radium-226	1.65E-03	4.47E-04	1.82E-03	pCi/m3	U
1102	600037005	10/3/2022	Radium-226	1.41E-03	9.02E-04	1.90E-03	pCi/m3	U
1102	606085005	10/31/2022	Radium-226	2.18E-05	7.90E-04	1.95E-03	pCi/m3	U
1102	606539005	11/28/2022	Radium-226	1.34E-03	7.36E-04	1.82E-03	pCi/m3	U
1102	609493005	12/26/2022	Radium-226	3.94E-04	7.63E-04	1.54E-03	pCi/m3	U
1102	571510004	1/24/2022	Radium-228	7.47E-04	1.33E-03	4.59E-03	pCi/m3	U
1102	574141005	2/21/2022	Radium-228	1.64E-04	1.59E-03	4.85E-03	pCi/m3	U
1102	578170004	3/21/2022	Radium-228	-2.08E-03	2.34E-03	6.94E-03	pCi/m3	U
1102	582160005	4/18/2022	Radium-228	7.74E-04	1.45E-03	5.02E-03	pCi/m3	U
1102	585159005	5/16/2022	Radium-228	2.17E-04	1.31E-03	4.47E-03	pCi/m3	U
1102	587304005	6/13/2022	Radium-228	4.11E-04	9.66E-04	3.35E-03	pCi/m3	U
1102	592750005	7/11/2022	Radium-228	-3.27E-04	1.18E-03	4.09E-03	pCi/m3	U
1102	592751005	8/8/2022	Radium-228	-1.30E-03	1.05E-03	3.21E-03	pCi/m3	U
1102	600035005	9/5/2022	Radium-228	2.84E-04	1.21E-03	3.96E-03	pCi/m3	U
1102	600037005	10/3/2022	Radium-228	2.98E-05	1.23E-03	3.87E-03	pCi/m3	U
1102	606085005	10/31/2022	Radium-228	2.42E-03	1.52E-03	4.82E-03	pCi/m3	U
1102	606539005	11/28/2022	Radium-228	1.10E-03	1.27E-03	3.65E-03	pCi/m3	U
1102	609493005	12/26/2022	Radium-228	2.86E-04	1.12E-03	3.82E-03	pCi/m3	U
1102	571510004	1/24/2022	Ruthenium-103	5.19E-04	4.05E-04	1.48E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	574141005	2/21/2022	Ruthenium-103	-5.19E-05	3.99E-04	1.30E-03	pCi/m3	U
1102	578170004	3/21/2022	Ruthenium-103	5.30E-04	6.09E-04	2.18E-03	pCi/m3	U
1102	582160005	4/18/2022	Ruthenium-103	3.40E-04	5.86E-04	1.98E-03	pCi/m3	U
1102	585159005	5/16/2022	Ruthenium-103	5.05E-05	4.37E-04	1.44E-03	pCi/m3	U
1102	587304005	6/13/2022	Ruthenium-103	-6.19E-04	3.90E-04	1.08E-03	pCi/m3	U
1102	592750005	7/11/2022	Ruthenium-103	-1.35E-03	6.38E-04	1.71E-03	pCi/m3	U
1102	592751005	8/8/2022	Ruthenium-103	3.71E-04	3.75E-04	1.32E-03	pCi/m3	U
1102	600035005	9/5/2022	Ruthenium-103	-9.90E-04	6.89E-04	1.96E-03	pCi/m3	U
1102	600037005	10/3/2022	Ruthenium-103	-4.42E-04	3.36E-04	1.03E-03	pCi/m3	U
1102	606085005	10/31/2022	Ruthenium-103	4.29E-04	7.10E-04	2.44E-03	pCi/m3	U
1102	606539005	11/28/2022	Ruthenium-103	2.53E-04	3.48E-04	1.21E-03	pCi/m3	U
1102	609493005	12/26/2022	Ruthenium-103	-9.07E-04	4.48E-04	1.26E-03	pCi/m3	U
1102	571510004	1/24/2022	Ruthenium-106	6.13E-04	2.58E-03	8.59E-03	pCi/m3	U
1102	574141005	2/21/2022	Ruthenium-106	4.95E-04	2.36E-03	9.22E-03	pCi/m3	U
1102	578170004	3/21/2022	Ruthenium-106	-2.94E-03	3.31E-03	9.75E-03	pCi/m3	U
1102	582160005	4/18/2022	Ruthenium-106	-1.29E-03	2.88E-03	8.83E-03	pCi/m3	U
1102	585159005	5/16/2022	Ruthenium-106	-1.03E-03	2.31E-03	7.14E-03	pCi/m3	U
1102	587304005	6/13/2022	Ruthenium-106	-2.37E-04	2.14E-03	6.74E-03	pCi/m3	U
1102	592750005	7/11/2022	Ruthenium-106	1.38E-03	2.33E-03	7.84E-03	pCi/m3	U
1102	592751005	8/8/2022	Ruthenium-106	-6.50E-05	2.16E-03	7.13E-03	pCi/m3	U
1102	600035005	9/5/2022	Ruthenium-106	-1.97E-03	2.36E-03	7.00E-03	pCi/m3	U
1102	600037005	10/3/2022	Ruthenium-106	2.89E-03	2.33E-03	7.40E-03	pCi/m3	U
1102	606085005	10/31/2022	Ruthenium-106	-2.04E-03	2.36E-03	7.01E-03	pCi/m3	U
1102	606539005	11/28/2022	Ruthenium-106	-9.16E-04	1.89E-03	5.79E-03	pCi/m3	U
1102	609493005	12/26/2022	Ruthenium-106	-6.19E-04	2.32E-03	7.43E-03	pCi/m3	U
1102	571510004	1/24/2022	Selenium-75	2.29E-04	3.12E-04	9.98E-04	pCi/m3	U
1102	574141005	2/21/2022	Selenium-75	-1.91E-04	2.89E-04	9.49E-04	pCi/m3	U
1102	578170004	3/21/2022	Selenium-75	-3.62E-05	5.17E-04	1.61E-03	pCi/m3	U
1102	582160005	4/18/2022	Selenium-75	-3.74E-04	3.72E-04	1.16E-03	pCi/m3	U
1102	585159005	5/16/2022	Selenium-75	-1.59E-04	3.03E-04	1.01E-03	pCi/m3	U
1102	587304005	6/13/2022	Selenium-75	-1.18E-04	2.70E-04	8.76E-04	pCi/m3	U
1102	592750005	7/11/2022	Selenium-75	3.54E-04	3.43E-04	1.22E-03	pCi/m3	U
1102	592751005	8/8/2022	Selenium-75	3.95E-05	3.16E-04	1.00E-03	pCi/m3	U
1102	600035005	9/5/2022	Selenium-75	-4.22E-04	3.02E-04	9.28E-04	pCi/m3	U
1102	600037005	10/3/2022	Selenium-75	-3.74E-05	2.74E-04	8.97E-04	pCi/m3	U
1102	606085005	10/31/2022	Selenium-75	-7.62E-05	3.32E-04	1.11E-03	pCi/m3	U
1102	606539005	11/28/2022	Selenium-75	8.81E-06	2.78E-04	9.42E-04	pCi/m3	U
1102	609493005	12/26/2022	Selenium-75	1.47E-05	2.78E-04	8.70E-04	pCi/m3	U
1102	571510004	1/24/2022	Silver-108m	-1.43E-04	1.73E-04	5.03E-04	pCi/m3	U
1102	574141005	2/21/2022	Silver-108m	1.61E-04	2.26E-04	7.88E-04	pCi/m3	U
1102	578170004	3/21/2022	Silver-108m	4.42E-04	3.16E-04	1.16E-03	pCi/m3	U
1102	582160005	4/18/2022	Silver-108m	-4.87E-05	1.83E-04	5.80E-04	pCi/m3	U
1102	585159005	5/16/2022	Silver-108m	-8.19E-05	1.58E-04	4.99E-04	pCi/m3	U
1102	587304005	6/13/2022	Silver-108m	-1.08E-04	1.71E-04	5.29E-04	pCi/m3	U
1102	592750005	7/11/2022	Silver-108m	3.01E-04	1.62E-04	6.02E-04	pCi/m3	U
1102	592751005	8/8/2022	Silver-108m	1.22E-04	1.81E-04	6.42E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	600035005	9/5/2022	Silver-108m	1.23E-04	1.90E-04	6.59E-04	pCi/m3	U
1102	600037005	10/3/2022	Silver-108m	-1.06E-04	1.71E-04	5.38E-04	pCi/m3	U
1102	606085005	10/31/2022	Silver-108m	1.15E-04	1.81E-04	6.31E-04	pCi/m3	U
1102	606539005	11/28/2022	Silver-108m	7.99E-05	1.71E-04	5.82E-04	pCi/m3	U
1102	609493005	12/26/2022	Silver-108m	-2.00E-04	1.68E-04	5.12E-04	pCi/m3	U
1102	571510004	1/24/2022	Silver-110m	4.36E-04	3.77E-04	1.40E-03	pCi/m3	U
1102	574141005	2/21/2022	Silver-110m	1.48E-04	4.32E-04	1.36E-03	pCi/m3	U
1102	578170004	3/21/2022	Silver-110m	-3.92E-04	6.90E-04	2.04E-03	pCi/m3	U
1102	582160005	4/18/2022	Silver-110m	-5.12E-05	4.22E-04	1.40E-03	pCi/m3	U
1102	585159005	5/16/2022	Silver-110m	5.58E-04	3.74E-04	1.42E-03	pCi/m3	U
1102	587304005	6/13/2022	Silver-110m	-3.99E-04	3.25E-04	8.96E-04	pCi/m3	U
1102	592750005	7/11/2022	Silver-110m	8.21E-04	7.34E-04	1.31E-03	pCi/m3	U
1102	592751005	8/8/2022	Silver-110m	-1.79E-04	3.45E-04	1.04E-03	pCi/m3	U
1102	600035005	9/5/2022	Silver-110m	-1.39E-04	3.45E-04	1.12E-03	pCi/m3	U
1102	600037005	10/3/2022	Silver-110m	1.88E-04	2.92E-04	1.03E-03	pCi/m3	U
1102	606085005	10/31/2022	Silver-110m	-1.30E-04	3.17E-04	9.37E-04	pCi/m3	U
1102	606539005	11/28/2022	Silver-110m	-3.08E-04	2.88E-04	8.56E-04	pCi/m3	U
1102	609493005	12/26/2022	Silver-110m	-2.57E-04	3.65E-04	8.98E-04	pCi/m3	U
1102	571510004	1/24/2022	Tellurium-132	1.80E-01	5.27E-01	0.00E+00	pCi/m3	UI
1102	574141005	2/21/2022	Tellurium-132	-1.75E-01	2.34E-01	0.00E+00	pCi/m3	U
1102	578170004	3/21/2022	Tellurium-132	4.09E-01	1.42E+00	0.00E+00	pCi/m3	UI
1102	582160005	4/18/2022	Tellurium-132	-6.25E+01	5.89E+01	0.00E+00	pCi/m3	U
1102	585159005	5/16/2022	Tellurium-132	1.94E+01	1.15E+01	0.00E+00	pCi/m3	UI
1102	587304005	6/13/2022	Tellurium-132	-2.09E+00	2.34E+00	0.00E+00	pCi/m3	U
1102	592750005	7/11/2022	Tellurium-132	2.22E+03	1.43E+03	0.00E+00	pCi/m3	UI
1102	592751005	8/8/2022	Tellurium-132	1.80E+00	2.13E+00	0.00E+00	pCi/m3	UI
1102	600035005	9/5/2022	Tellurium-132	1.42E+02	2.77E+02	0.00E+00	pCi/m3	UI
1102	600037005	10/3/2022	Tellurium-132	-6.66E-01	4.60E-01	0.00E+00	pCi/m3	U
1102	606085005	10/31/2022	Tellurium-132	-5.41E+02	3.42E+02	0.00E+00	pCi/m3	U
1102	606539005	11/28/2022	Tellurium-132	-9.24E-01	2.23E+00	0.00E+00	pCi/m3	U
1102	609493005	12/26/2022	Tellurium-132	-2.34E+00	2.34E+00	0.00E+00	pCi/m3	U
1102	571510004	1/24/2022	Thallium-208	-4.54E-04	3.22E-04	9.73E-04	pCi/m3	U
1102	574141005	2/21/2022	Thallium-208	-3.08E-04	4.11E-04	1.16E-03	pCi/m3	U
1102	578170004	3/21/2022	Thallium-208	1.35E-03	8.85E-04	1.36E-03	pCi/m3	U
1102	582160005	4/18/2022	Thallium-208	1.47E-04	3.37E-04	1.11E-03	pCi/m3	U
1102	585159005	5/16/2022	Thallium-208	6.87E-04	3.62E-04	6.26E-04	pCi/m3	UI
1102	587304005	6/13/2022	Thallium-208	1.03E-04	3.11E-04	6.46E-04	pCi/m3	U
1102	592750005	7/11/2022	Thallium-208	-2.41E-04	2.48E-04	7.43E-04	pCi/m3	U
1102	592751005	8/8/2022	Thallium-208	4.20E-05	2.72E-04	9.27E-04	pCi/m3	U
1102	600035005	9/5/2022	Thallium-208	-3.54E-04	3.01E-04	8.95E-04	pCi/m3	U
1102	600037005	10/3/2022	Thallium-208	-5.18E-04	3.21E-04	9.24E-04	pCi/m3	U
1102	606085005	10/31/2022	Thallium-208	-3.52E-04	3.19E-04	1.01E-03	pCi/m3	U
1102	606539005	11/28/2022	Thallium-208	2.60E-04	3.90E-04	6.14E-04	pCi/m3	U
1102	609493005	12/26/2022	Thallium-208	8.18E-05	3.99E-04	8.70E-04	pCi/m3	U
1102	571510004	1/24/2022	Thorium-228	9.19E-04	5.46E-04	1.55E-03	pCi/m3	U
1102	574141005	2/21/2022	Thorium-228	3.66E-04	6.29E-04	1.22E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	578170004	3/21/2022	Thorium-228	8.12E-04	1.05E-03	1.72E-03	pCi/m3	U
1102	582160005	4/18/2022	Thorium-228	1.20E-03	6.52E-04	1.71E-03	pCi/m3	U
1102	585159005	5/16/2022	Thorium-228	6.79E-04	6.64E-04	1.51E-03	pCi/m3	U
1102	587304005	6/13/2022	Thorium-228	1.83E-03	5.29E-04	1.56E-03	pCi/m3	UI
1102	592750005	7/11/2022	Thorium-228	1.35E-04	5.57E-04	1.00E-03	pCi/m3	U
1102	592751005	8/8/2022	Thorium-228	-7.29E-04	4.22E-04	1.19E-03	pCi/m3	U
1102	600035005	9/5/2022	Thorium-228	8.51E-04	9.01E-04	1.70E-03	pCi/m3	U
1102	600037005	10/3/2022	Thorium-228	-3.98E-04	3.87E-04	1.27E-03	pCi/m3	U
1102	606085005	10/31/2022	Thorium-228	1.08E-04	7.80E-04	1.52E-03	pCi/m3	U
1102	606539005	11/28/2022	Thorium-228	2.22E-03	6.15E-04	1.57E-03	pCi/m3	UI
1102	609493005	12/26/2022	Thorium-228	1.21E-03	8.02E-04	1.80E-03	pCi/m3	U
1102	571510004	1/24/2022	Thorium-230	-1.39E-04	7.66E-04	2.39E-03	pCi/m3	U
1102	574141005	2/21/2022	Thorium-230	8.53E-04	7.09E-04	2.49E-03	pCi/m3	U
1102	578170004	3/21/2022	Thorium-230	1.65E-03	1.54E-03	4.45E-03	pCi/m3	U
1102	582160005	4/18/2022	Thorium-230	2.14E-03	1.01E-03	2.53E-03	pCi/m3	U
1102	585159005	5/16/2022	Thorium-230	3.37E-04	6.34E-04	2.02E-03	pCi/m3	U
1102	587304005	6/13/2022	Thorium-230	3.02E-05	6.72E-04	1.85E-03	pCi/m3	U
1102	592750005	7/11/2022	Thorium-230	1.06E-03	7.80E-04	1.37E-03	pCi/m3	U
1102	592751005	8/8/2022	Thorium-230	1.89E-04	5.78E-04	1.88E-03	pCi/m3	U
1102	600035005	9/5/2022	Thorium-230	1.65E-03	4.47E-04	1.82E-03	pCi/m3	U
1102	600037005	10/3/2022	Thorium-230	1.41E-03	9.02E-04	1.90E-03	pCi/m3	U
1102	606085005	10/31/2022	Thorium-230	2.18E-05	7.90E-04	1.95E-03	pCi/m3	U
1102	606539005	11/28/2022	Thorium-230	1.34E-03	7.36E-04	1.82E-03	pCi/m3	U
1102	609493005	12/26/2022	Thorium-230	3.94E-04	7.63E-04	1.54E-03	pCi/m3	U
1102	571510004	1/24/2022	Thorium-232	7.47E-04	1.33E-03	4.59E-03	pCi/m3	U
1102	574141005	2/21/2022	Thorium-232	1.64E-04	1.59E-03	4.85E-03	pCi/m3	U
1102	578170004	3/21/2022	Thorium-232	-2.08E-03	2.34E-03	6.94E-03	pCi/m3	U
1102	582160005	4/18/2022	Thorium-232	7.74E-04	1.45E-03	5.02E-03	pCi/m3	U
1102	585159005	5/16/2022	Thorium-232	2.17E-04	1.31E-03	4.47E-03	pCi/m3	U
1102	587304005	6/13/2022	Thorium-232	4.11E-04	9.66E-04	3.35E-03	pCi/m3	U
1102	592750005	7/11/2022	Thorium-232	-3.27E-04	1.18E-03	4.09E-03	pCi/m3	U
1102	592751005	8/8/2022	Thorium-232	-1.30E-03	1.05E-03	3.21E-03	pCi/m3	U
1102	600035005	9/5/2022	Thorium-232	2.84E-04	1.21E-03	3.96E-03	pCi/m3	U
1102	600037005	10/3/2022	Thorium-232	2.98E-05	1.23E-03	3.87E-03	pCi/m3	U
1102	606085005	10/31/2022	Thorium-232	2.42E-03	1.52E-03	4.82E-03	pCi/m3	U
1102	606539005	11/28/2022	Thorium-232	1.10E-03	1.27E-03	3.65E-03	pCi/m3	U
1102	609493005	12/26/2022	Thorium-232	2.86E-04	1.12E-03	3.82E-03	pCi/m3	U
1102	571510004	1/24/2022	Thorium-234	-1.24E-02	9.65E-03	3.14E-02	pCi/m3	U
1102	574141005	2/21/2022	Thorium-234	1.18E-02	5.64E-03	7.49E-03	pCi/m3	UI
1102	578170004	3/21/2022	Thorium-234	-1.28E-02	8.39E-03	2.59E-02	pCi/m3	U
1102	582160005	4/18/2022	Thorium-234	-6.06E-03	1.30E-02	4.38E-02	pCi/m3	U
1102	585159005	5/16/2022	Thorium-234	4.50E-03	9.51E-03	1.62E-02	pCi/m3	U
1102	587304005	6/13/2022	Thorium-234	-6.64E-03	6.08E-03	2.04E-02	pCi/m3	U
1102	592750005	7/11/2022	Thorium-234	4.70E-03	6.24E-03	1.67E-02	pCi/m3	U
1102	592751005	8/8/2022	Thorium-234	5.31E-03	1.70E-02	2.88E-02	pCi/m3	U
1102	600035005	9/5/2022	Thorium-234	4.57E-03	2.14E-02	2.48E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1102	600037005	10/3/2022	Thorium-234	-8.24E-03	1.17E-02	3.42E-02	pCi/m3	U
1102	606085005	10/31/2022	Thorium-234	-3.12E-02	1.10E-02	3.58E-02	pCi/m3	U
1102	606539005	11/28/2022	Thorium-234	5.51E-03	7.88E-03	1.41E-02	pCi/m3	U
1102	609493005	12/26/2022	Thorium-234	7.25E-03	1.31E-02	2.62E-02	pCi/m3	U
1102	571510004	1/24/2022	Uranium-234	-1.39E-04	7.66E-04	2.39E-03	pCi/m3	U
1102	574141005	2/21/2022	Uranium-234	8.53E-04	7.09E-04	2.49E-03	pCi/m3	U
1102	578170004	3/21/2022	Uranium-234	1.65E-03	1.54E-03	4.45E-03	pCi/m3	U
1102	582160005	4/18/2022	Uranium-234	2.14E-03	1.01E-03	2.53E-03	pCi/m3	U
1102	585159005	5/16/2022	Uranium-234	3.37E-04	6.34E-04	2.02E-03	pCi/m3	U
1102	587304005	6/13/2022	Uranium-234	3.02E-05	6.72E-04	1.85E-03	pCi/m3	U
1102	592750005	7/11/2022	Uranium-234	1.06E-03	7.80E-04	1.37E-03	pCi/m3	U
1102	592751005	8/8/2022	Uranium-234	1.89E-04	5.78E-04	1.88E-03	pCi/m3	U
1102	600035005	9/5/2022	Uranium-234	1.65E-03	4.47E-04	1.82E-03	pCi/m3	U
1102	600037005	10/3/2022	Uranium-234	1.41E-03	9.02E-04	1.90E-03	pCi/m3	U
1102	606085005	10/31/2022	Uranium-234	2.18E-05	7.90E-04	1.95E-03	pCi/m3	U
1102	606539005	11/28/2022	Uranium-234	1.34E-03	7.36E-04	1.82E-03	pCi/m3	U
1102	609493005	12/26/2022	Uranium-234	3.94E-04	7.63E-04	1.54E-03	pCi/m3	U
1102	571510004	1/24/2022	Zinc-65	-3.13E-04	6.00E-04	1.80E-03	pCi/m3	U
1102	574141005	2/21/2022	Zinc-65	-6.76E-04	6.64E-04	1.88E-03	pCi/m3	U
1102	578170004	3/21/2022	Zinc-65	-1.31E-03	1.02E-03	2.87E-03	pCi/m3	U
1102	582160005	4/18/2022	Zinc-65	0.00E+00	6.31E-04	2.10E-03	pCi/m3	U
1102	585159005	5/16/2022	Zinc-65	-7.03E-04	6.53E-04	1.89E-03	pCi/m3	U
1102	587304005	6/13/2022	Zinc-65	3.24E-04	4.04E-04	1.49E-03	pCi/m3	U
1102	592750005	7/11/2022	Zinc-65	3.23E-04	5.55E-04	1.96E-03	pCi/m3	U
1102	592751005	8/8/2022	Zinc-65	1.65E-04	5.25E-04	1.74E-03	pCi/m3	U
1102	600035005	9/5/2022	Zinc-65	9.93E-04	6.49E-04	2.52E-03	pCi/m3	U
1102	600037005	10/3/2022	Zinc-65	-3.47E-04	5.80E-04	1.74E-03	pCi/m3	U
1102	606085005	10/31/2022	Zinc-65	-4.60E-05	7.59E-04	2.49E-03	pCi/m3	U
1102	606539005	11/28/2022	Zinc-65	-1.34E-04	5.65E-04	1.63E-03	pCi/m3	U
1102	609493005	12/26/2022	Zinc-65	8.66E-04	5.56E-04	2.17E-03	pCi/m3	U
1102	571510004	1/24/2022	Zirconium-95	-2.97E-04	6.70E-04	2.17E-03	pCi/m3	U
1102	574141005	2/21/2022	Zirconium-95	5.31E-04	6.28E-04	2.21E-03	pCi/m3	U
1102	578170004	3/21/2022	Zirconium-95	9.91E-05	1.06E-03	3.45E-03	pCi/m3	U
1102	582160005	4/18/2022	Zirconium-95	1.27E-03	9.58E-04	2.43E-03	pCi/m3	U
1102	585159005	5/16/2022	Zirconium-95	8.77E-04	7.22E-04	2.68E-03	pCi/m3	U
1102	587304005	6/13/2022	Zirconium-95	-5.96E-05	4.52E-04	1.51E-03	pCi/m3	U
1102	592750005	7/11/2022	Zirconium-95	-7.52E-04	7.67E-04	2.15E-03	pCi/m3	U
1102	592751005	8/8/2022	Zirconium-95	-5.24E-04	5.70E-04	1.66E-03	pCi/m3	U
1102	600035005	9/5/2022	Zirconium-95	-5.39E-04	9.75E-04	2.95E-03	pCi/m3	U
1102	600037005	10/3/2022	Zirconium-95	1.15E-03	5.31E-04	1.99E-03	pCi/m3	U
1102	606085005	10/31/2022	Zirconium-95	8.02E-04	8.16E-04	2.90E-03	pCi/m3	U
1102	606539005	11/28/2022	Zirconium-95	2.08E-04	5.47E-04	1.82E-03	pCi/m3	U
1102	609493005	12/26/2022	Zirconium-95	1.34E-03	9.53E-04	2.27E-03	pCi/m3	U
1103	571510005	1/24/2022	Actinium-228	1.67E-03	1.95E-03	4.02E-03	pCi/m3	U
1103	574141006	2/21/2022	Actinium-228	1.06E-03	1.29E-03	4.41E-03	pCi/m3	U
1103	578170005	3/21/2022	Actinium-228	2.70E-03	1.35E-03	4.21E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	582160006	4/18/2022	Actinium-228	2.08E-03	1.45E-03	3.82E-03	pCi/m3	U
1103	585159006	5/16/2022	Actinium-228	-6.14E-04	1.03E-03	3.31E-03	pCi/m3	U
1103	587304006	6/13/2022	Actinium-228	-8.67E-04	1.11E-03	3.75E-03	pCi/m3	U
1103	592750006	7/11/2022	Actinium-228	-1.11E-03	1.41E-03	3.76E-03	pCi/m3	U
1103	592751006	8/8/2022	Actinium-228	-2.57E-03	1.11E-03	3.04E-03	pCi/m3	U
1103	600035006	9/5/2022	Actinium-228	-6.72E-04	1.61E-03	5.38E-03	pCi/m3	U
1103	600037006	10/3/2022	Actinium-228	4.18E-04	1.01E-03	3.36E-03	pCi/m3	U
1103	606085006	10/31/2022	Actinium-228	2.03E-03	1.38E-03	5.00E-03	pCi/m3	U
1103	606539006	11/28/2022	Actinium-228	1.03E-03	1.09E-03	3.65E-03	pCi/m3	U
1103	609493006	12/26/2022	Actinium-228	4.70E-04	1.25E-03	4.40E-03	pCi/m3	U
1103	571510005	1/24/2022	Americium-241	-9.79E-04	1.36E-03	4.27E-03	pCi/m3	U
1103	574141006	2/21/2022	Americium-241	4.86E-06	2.08E-04	6.52E-04	pCi/m3	U
1103	578170005	3/21/2022	Americium-241	3.92E-03	1.73E-03	2.83E-03	pCi/m3	UI
1103	582160006	4/18/2022	Americium-241	2.30E-04	1.15E-03	3.86E-03	pCi/m3	U
1103	585159006	5/16/2022	Americium-241	-5.95E-04	9.95E-04	2.86E-03	pCi/m3	U
1103	587304006	6/13/2022	Americium-241	2.48E-04	7.22E-04	2.26E-03	pCi/m3	U
1103	592750006	7/11/2022	Americium-241	7.65E-04	7.15E-04	2.36E-03	pCi/m3	U
1103	592751006	8/8/2022	Americium-241	-1.34E-04	8.11E-04	2.40E-03	pCi/m3	U
1103	600035006	9/5/2022	Americium-241	3.17E-04	9.07E-04	3.00E-03	pCi/m3	U
1103	600037006	10/3/2022	Americium-241	-5.65E-05	6.92E-04	2.30E-03	pCi/m3	U
1103	606085006	10/31/2022	Americium-241	6.43E-04	1.33E-03	4.53E-03	pCi/m3	U
1103	606539006	11/28/2022	Americium-241	3.58E-04	9.22E-04	2.80E-03	pCi/m3	U
1103	609493006	12/26/2022	Americium-241	-4.58E-04	6.71E-04	1.90E-03	pCi/m3	U
1103	571510005	1/24/2022	Antimony-124	-1.22E-03	1.04E-03	3.07E-03	pCi/m3	U
1103	574141006	2/21/2022	Antimony-124	1.03E-03	1.18E-03	4.01E-03	pCi/m3	U
1103	578170005	3/21/2022	Antimony-124	-2.00E-03	7.39E-04	6.05E-04	pCi/m3	U
1103	582160006	4/18/2022	Antimony-124	-7.04E-05	1.20E-03	3.90E-03	pCi/m3	U
1103	585159006	5/16/2022	Antimony-124	8.88E-04	7.27E-04	3.01E-03	pCi/m3	U
1103	587304006	6/13/2022	Antimony-124	-1.67E-05	6.50E-04	2.12E-03	pCi/m3	U
1103	592750006	7/11/2022	Antimony-124	3.47E-04	1.35E-03	4.56E-03	pCi/m3	U
1103	592751006	8/8/2022	Antimony-124	1.43E-03	9.14E-04	3.63E-03	pCi/m3	U
1103	600035006	9/5/2022	Antimony-124	1.56E-03	1.46E-03	5.85E-03	pCi/m3	U
1103	600037006	10/3/2022	Antimony-124	-2.49E-04	9.23E-04	2.90E-03	pCi/m3	U
1103	606085006	10/31/2022	Antimony-124	-1.11E-03	1.11E-03	2.76E-03	pCi/m3	U
1103	606539006	11/28/2022	Antimony-124	-1.29E-03	1.26E-03	3.51E-03	pCi/m3	U
1103	609493006	12/26/2022	Antimony-124	-6.96E-05	9.01E-04	2.93E-03	pCi/m3	U
1103	571510005	1/24/2022	Antimony-125	1.26E-03	7.42E-04	2.61E-03	pCi/m3	U
1103	574141006	2/21/2022	Antimony-125	-3.86E-04	5.81E-04	1.66E-03	pCi/m3	U
1103	578170005	3/21/2022	Antimony-125	-3.87E-04	4.82E-04	1.50E-03	pCi/m3	U
1103	582160006	4/18/2022	Antimony-125	-5.60E-04	5.15E-04	1.64E-03	pCi/m3	U
1103	585159006	5/16/2022	Antimony-125	-7.70E-04	4.79E-04	1.43E-03	pCi/m3	U
1103	587304006	6/13/2022	Antimony-125	5.76E-04	5.03E-04	1.81E-03	pCi/m3	U
1103	592750006	7/11/2022	Antimony-125	-4.17E-04	4.81E-04	1.50E-03	pCi/m3	U
1103	592751006	8/8/2022	Antimony-125	2.95E-04	5.10E-04	1.78E-03	pCi/m3	U
1103	600035006	9/5/2022	Antimony-125	7.36E-04	7.20E-04	2.58E-03	pCi/m3	U
1103	600037006	10/3/2022	Antimony-125	-4.10E-04	5.99E-04	1.94E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	606085006	10/31/2022	Antimony-125	1.03E-03	6.46E-04	2.39E-03	pCi/m3	U
1103	606539006	11/28/2022	Antimony-125	-1.05E-03	5.51E-04	1.47E-03	pCi/m3	U
1103	609493006	12/26/2022	Antimony-125	7.94E-04	5.67E-04	2.00E-03	pCi/m3	U
1103	571510005	1/24/2022	Barium-140	-4.66E-03	7.54E-03	2.36E-02	pCi/m3	U
1103	574141006	2/21/2022	Barium-140	-4.61E-03	5.60E-03	1.55E-02	pCi/m3	U
1103	578170005	3/21/2022	Barium-140	5.60E-03	5.71E-03	2.02E-02	pCi/m3	U
1103	582160006	4/18/2022	Barium-140	2.12E-02	1.70E-02	6.07E-02	pCi/m3	U
1103	585159006	5/16/2022	Barium-140	2.09E-02	1.24E-02	3.84E-02	pCi/m3	U
1103	587304006	6/13/2022	Barium-140	7.92E-03	7.64E-03	2.72E-02	pCi/m3	U
1103	592750006	7/11/2022	Barium-140	3.45E-02	3.44E-02	1.23E-01	pCi/m3	U
1103	592751006	8/8/2022	Barium-140	2.77E-02	7.98E-03	3.23E-02	pCi/m3	U
1103	600035006	9/5/2022	Barium-140	3.58E-02	3.76E-02	1.33E-01	pCi/m3	U
1103	600037006	10/3/2022	Barium-140	8.19E-03	5.68E-03	2.08E-02	pCi/m3	U
1103	606085006	10/31/2022	Barium-140	-5.47E-03	2.76E-02	7.95E-02	pCi/m3	U
1103	606539006	11/28/2022	Barium-140	4.09E-03	7.73E-03	2.64E-02	pCi/m3	U
1103	609493006	12/26/2022	Barium-140	6.52E-03	7.75E-03	2.65E-02	pCi/m3	U
1103	571510005	1/24/2022	Beryllium-7	1.11E-01	8.25E-03	1.06E-02	pCi/m3	U
1103	574141006	2/21/2022	Beryllium-7	1.40E-01	9.35E-03	7.14E-03	pCi/m3	U
1103	578170005	3/21/2022	Beryllium-7	1.04E-01	8.22E-03	8.03E-03	pCi/m3	U
1103	582160006	4/18/2022	Beryllium-7	1.60E-01	1.07E-02	1.20E-02	pCi/m3	U
1103	585159006	5/16/2022	Beryllium-7	1.43E-01	9.47E-03	9.46E-03	pCi/m3	U
1103	587304006	6/13/2022	Beryllium-7	1.06E-01	8.71E-03	9.11E-03	pCi/m3	U
1103	592750006	7/11/2022	Beryllium-7	1.27E-01	1.20E-02	1.45E-02	pCi/m3	U
1103	592751006	8/8/2022	Beryllium-7	1.01E-01	8.34E-03	9.16E-03	pCi/m3	U
1103	600035006	9/5/2022	Beryllium-7	8.56E-02	1.26E-02	1.45E-02	pCi/m3	U
1103	600037006	10/3/2022	Beryllium-7	1.23E-01	1.04E-02	9.30E-03	pCi/m3	U
1103	606085006	10/31/2022	Beryllium-7	1.13E-01	1.37E-02	1.61E-02	pCi/m3	U
1103	606539006	11/28/2022	Beryllium-7	9.29E-02	7.72E-03	6.76E-03	pCi/m3	U
1103	609493006	12/26/2022	Beryllium-7	6.60E-02	6.32E-03	9.57E-03	pCi/m3	U
1103	566163013	1/3/2022	BETA	2.32E-02	1.42E-03	1.50E-03	pCi/m3	U
1103	566828011	1/10/2022	BETA	4.97E-02	2.10E-03	1.61E-03	pCi/m3	U
1103	567642013	1/18/2022	BETA	4.74E-02	1.87E-03	1.33E-03	pCi/m3	U
1103	568219011	1/24/2022	BETA	4.37E-02	2.13E-03	1.89E-03	pCi/m3	U
1103	568939013	1/31/2022	BETA	5.09E-02	2.09E-03	1.64E-03	pCi/m3	U
1103	569538019	2/7/2022	BETA	4.04E-02	1.80E-03	1.35E-03	pCi/m3	U
1103	570263011	2/14/2022	BETA	4.87E-02	1.96E-03	1.37E-03	pCi/m3	U
1103	571003013	2/21/2022	BETA	3.56E-02	1.76E-03	1.50E-03	pCi/m3	U
1103	571635011	2/28/2022	BETA	2.42E-02	1.45E-03	1.51E-03	pCi/m3	U
1103	572313013	3/7/2022	BETA	6.07E-02	2.21E-03	1.47E-03	pCi/m3	U
1103	573042013	3/14/2022	BETA	3.06E-02	1.57E-03	1.36E-03	pCi/m3	U
1103	573808009	3/21/2022	BETA	2.37E-02	1.39E-03	1.39E-03	pCi/m3	U
1103	574541013	3/28/2022	BETA	2.93E-02	1.66E-03	1.54E-03	pCi/m3	U
1103	575128011	4/4/2022	BETA	3.55E-02	1.83E-03	1.64E-03	pCi/m3	U
1103	576089011	4/11/2022	BETA	2.86E-02	1.64E-03	1.73E-03	pCi/m3	U
1103	576842011	4/18/2022	BETA	3.05E-02	1.68E-03	1.61E-03	pCi/m3	U
1103	577600011	4/25/2022	BETA	4.33E-02	1.98E-03	1.55E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	578408011	5/3/2022	BETA	3.88E-02	1.71E-03	1.33E-03	pCi/m3	
1103	579260015	5/9/2022	BETA	2.77E-02	1.75E-03	1.97E-03	pCi/m3	
1103	580039011	5/16/2022	BETA	3.69E-02	1.84E-03	1.63E-03	pCi/m3	
1103	580690011	5/23/2022	BETA	4.50E-02	1.98E-03	1.53E-03	pCi/m3	
1103	581375011	5/30/2022	BETA	2.89E-02	1.63E-03	1.55E-03	pCi/m3	
1103	581944013	6/6/2022	BETA	3.29E-02	1.37E-03	1.02E-03	pCi/m3	
1103	582792011	6/13/2022	BETA	3.10E-02	1.45E-03	1.20E-03	pCi/m3	
1103	583523013	6/20/2022	BETA	3.28E-02	1.57E-03	1.34E-03	pCi/m3	
1103	584133011	6/27/2022	BETA	4.34E-02	1.86E-03	1.58E-03	pCi/m3	
1103	584820011	7/4/2022	BETA	2.48E-02	1.33E-03	1.22E-03	pCi/m3	
1103	585556011	7/11/2022	BETA	2.10E-02	1.22E-03	1.21E-03	pCi/m3	
1103	586336011	7/18/2022	BETA	3.61E-02	1.57E-03	1.21E-03	pCi/m3	
1103	587158011	7/25/2022	BETA	2.66E-02	1.36E-03	1.24E-03	pCi/m3	
1103	587887011	8/1/2022	BETA	1.78E-02	1.13E-03	1.21E-03	pCi/m3	
1103	588821013	8/8/2022	BETA	1.95E-02	1.20E-03	1.27E-03	pCi/m3	
1103	589631013	8/15/2022	BETA	2.83E-02	1.39E-03	1.19E-03	pCi/m3	
1103	590529011	8/22/2022	BETA	4.88E-02	1.85E-03	1.50E-03	pCi/m3	
1103	590546015	8/29/2022	BETA	2.56E-02	1.33E-03	1.22E-03	pCi/m3	
1103	592023011	9/5/2022	BETA	2.49E-02	1.33E-03	1.25E-03	pCi/m3	
1103	592701011	9/12/2022	BETA	3.04E-02	1.48E-03	1.37E-03	pCi/m3	
1103	593604013	9/19/2022	BETA	5.07E-02	1.86E-03	1.24E-03	pCi/m3	
1103	594422011	9/26/2022	BETA	4.56E-02	1.74E-03	1.16E-03	pCi/m3	
1103	594990011	10/3/2022	BETA	3.01E-02	1.41E-03	1.17E-03	pCi/m3	
1103	596158011	10/10/2022	BETA	4.24E-02	1.74E-03	1.24E-03	pCi/m3	
1103	597076011	10/17/2022	BETA	4.33E-02	1.64E-03	1.21E-03	pCi/m3	
1103	597935011	10/24/2022	BETA	4.46E-02	1.79E-03	1.26E-03	pCi/m3	
1103	598808011	10/31/2022	BETA	3.11E-02	1.52E-03	1.27E-03	pCi/m3	
1103	599716011	11/7/2022	BETA	4.72E-02	1.69E-03	1.08E-03	pCi/m3	
1103	600681011	11/14/2022	BETA	2.78E-02	1.32E-03	1.09E-03	pCi/m3	
1103	601449011	11/21/2022	BETA	4.56E-02	1.68E-03	1.10E-03	pCi/m3	
1103	602125015	11/28/2022	BETA	5.16E-02	1.87E-03	1.21E-03	pCi/m3	
1103	602823015	12/5/2022	BETA	4.14E-02	1.66E-03	1.16E-03	pCi/m3	
1103	603758011	12/12/2022	BETA	2.44E-02	1.30E-03	1.21E-03	pCi/m3	
1103	604618013	12/19/2022	BETA	3.34E-02	1.51E-03	1.18E-03	pCi/m3	
1103	605325011	12/26/2022	BETA	3.45E-02	1.54E-03	1.17E-03	pCi/m3	
1103	571510005	1/24/2022	Bismuth-214	3.72E-04	1.05E-03	2.20E-03	pCi/m3	U
1103	574141006	2/21/2022	Bismuth-214	-6.31E-04	7.05E-04	2.24E-03	pCi/m3	U
1103	578170005	3/21/2022	Bismuth-214	-1.14E-04	4.98E-04	1.52E-03	pCi/m3	U
1103	582160006	4/18/2022	Bismuth-214	1.22E-04	1.04E-03	1.87E-03	pCi/m3	U
1103	585159006	5/16/2022	Bismuth-214	2.23E-04	8.90E-04	1.36E-03	pCi/m3	UI
1103	587304006	6/13/2022	Bismuth-214	-1.71E-04	5.76E-04	1.68E-03	pCi/m3	U
1103	592750006	7/11/2022	Bismuth-214	2.07E-03	7.84E-04	1.48E-03	pCi/m3	
1103	592751006	8/8/2022	Bismuth-214	2.27E-03	1.11E-03	2.11E-03	pCi/m3	UI
1103	600035006	9/5/2022	Bismuth-214	2.60E-04	1.15E-03	2.42E-03	pCi/m3	U
1103	600037006	10/3/2022	Bismuth-214	-5.36E-04	6.48E-04	1.97E-03	pCi/m3	U
1103	606085006	10/31/2022	Bismuth-214	-1.55E-03	7.21E-04	2.00E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	606539006	11/28/2022	Bismuth-214	1.47E-03	8.24E-04	2.16E-03	pCi/m3	U
1103	609493006	12/26/2022	Bismuth-214	-5.60E-04	5.27E-04	1.61E-03	pCi/m3	U
1103	571510005	1/24/2022	Cerium-141	-9.14E-04	7.75E-04	2.32E-03	pCi/m3	U
1103	574141006	2/21/2022	Cerium-141	-4.72E-04	4.69E-04	1.44E-03	pCi/m3	U
1103	578170005	3/21/2022	Cerium-141	-6.26E-04	4.93E-04	1.48E-03	pCi/m3	U
1103	582160006	4/18/2022	Cerium-141	-1.58E-03	8.97E-04	2.54E-03	pCi/m3	U
1103	585159006	5/16/2022	Cerium-141	-3.48E-04	5.15E-04	1.61E-03	pCi/m3	U
1103	587304006	6/13/2022	Cerium-141	-1.49E-03	7.12E-04	1.91E-03	pCi/m3	U
1103	592750006	7/11/2022	Cerium-141	2.97E-04	9.68E-04	2.94E-03	pCi/m3	U
1103	592751006	8/8/2022	Cerium-141	-7.18E-04	7.38E-04	2.19E-03	pCi/m3	U
1103	600035006	9/5/2022	Cerium-141	-1.66E-03	1.23E-03	3.53E-03	pCi/m3	U
1103	600037006	10/3/2022	Cerium-141	2.37E-04	4.88E-04	1.50E-03	pCi/m3	U
1103	606085006	10/31/2022	Cerium-141	-1.46E-03	1.31E-03	3.71E-03	pCi/m3	U
1103	606539006	11/28/2022	Cerium-141	1.82E-03	9.15E-04	1.45E-03	pCi/m3	UI
1103	609493006	12/26/2022	Cerium-141	-5.00E-04	5.95E-04	1.74E-03	pCi/m3	U
1103	571510005	1/24/2022	Cerium-144	-4.05E-04	1.43E-03	4.81E-03	pCi/m3	U
1103	574141006	2/21/2022	Cerium-144	-1.88E-03	1.09E-03	3.00E-03	pCi/m3	U
1103	578170005	3/21/2022	Cerium-144	1.07E-03	1.04E-03	3.55E-03	pCi/m3	U
1103	582160006	4/18/2022	Cerium-144	-1.49E-03	1.13E-03	3.29E-03	pCi/m3	U
1103	585159006	5/16/2022	Cerium-144	-5.28E-04	9.53E-04	3.03E-03	pCi/m3	U
1103	587304006	6/13/2022	Cerium-144	-1.32E-03	1.06E-03	3.18E-03	pCi/m3	U
1103	592750006	7/11/2022	Cerium-144	1.34E-03	1.04E-03	3.61E-03	pCi/m3	U
1103	592751006	8/8/2022	Cerium-144	-4.57E-04	1.03E-03	3.24E-03	pCi/m3	U
1103	600035006	9/5/2022	Cerium-144	-3.58E-03	1.43E-03	3.78E-03	pCi/m3	U
1103	600037006	10/3/2022	Cerium-144	8.16E-04	9.44E-04	3.20E-03	pCi/m3	U
1103	606085006	10/31/2022	Cerium-144	-1.03E-03	1.40E-03	4.35E-03	pCi/m3	U
1103	606539006	11/28/2022	Cerium-144	3.38E-06	8.47E-04	2.82E-03	pCi/m3	U
1103	609493006	12/26/2022	Cerium-144	1.41E-03	9.28E-04	3.21E-03	pCi/m3	U
1103	571510005	1/24/2022	Cesium-134	-3.13E-05	3.44E-04	1.03E-03	pCi/m3	U
1103	574141006	2/21/2022	Cesium-134	1.77E-06	2.49E-04	8.18E-04	pCi/m3	U
1103	578170005	3/21/2022	Cesium-134	4.33E-05	2.15E-04	7.43E-04	pCi/m3	U
1103	582160006	4/18/2022	Cesium-134	2.09E-04	2.85E-04	1.01E-03	pCi/m3	U
1103	585159006	5/16/2022	Cesium-134	5.01E-05	2.04E-04	6.87E-04	pCi/m3	U
1103	587304006	6/13/2022	Cesium-134	-2.01E-04	2.90E-04	7.58E-04	pCi/m3	U
1103	592750006	7/11/2022	Cesium-134	3.47E-04	2.84E-04	9.74E-04	pCi/m3	U
1103	592751006	8/8/2022	Cesium-134	-3.95E-04	2.80E-04	7.79E-04	pCi/m3	U
1103	600035006	9/5/2022	Cesium-134	4.74E-05	3.42E-04	1.18E-03	pCi/m3	U
1103	600037006	10/3/2022	Cesium-134	-2.71E-04	2.61E-04	7.51E-04	pCi/m3	U
1103	606085006	10/31/2022	Cesium-134	-3.18E-04	3.26E-04	9.44E-04	pCi/m3	U
1103	606539006	11/28/2022	Cesium-134	1.43E-04	2.48E-04	8.69E-04	pCi/m3	U
1103	609493006	12/26/2022	Cesium-134	2.24E-04	2.65E-04	9.19E-04	pCi/m3	U
1103	571510005	1/24/2022	Cesium-137	3.60E-04	2.65E-04	9.46E-04	pCi/m3	U
1103	574141006	2/21/2022	Cesium-137	1.73E-04	2.34E-04	8.31E-04	pCi/m3	U
1103	578170005	3/21/2022	Cesium-137	-4.40E-06	2.00E-04	6.38E-04	pCi/m3	U
1103	582160006	4/18/2022	Cesium-137	2.82E-04	2.94E-04	9.59E-04	pCi/m3	U
1103	585159006	5/16/2022	Cesium-137	-6.79E-04	2.69E-04	6.53E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	587304006	6/13/2022	Cesium-137	-2.10E-05	2.23E-04	6.42E-04	pCi/m3	U
1103	592750006	7/11/2022	Cesium-137	1.20E-06	2.40E-04	6.99E-04	pCi/m3	U
1103	592751006	8/8/2022	Cesium-137	-1.74E-04	2.13E-04	6.44E-04	pCi/m3	U
1103	600035006	9/5/2022	Cesium-137	2.71E-04	4.06E-04	1.32E-03	pCi/m3	U
1103	600037006	10/3/2022	Cesium-137	1.05E-04	2.31E-04	7.17E-04	pCi/m3	U
1103	606085006	10/31/2022	Cesium-137	1.57E-04	2.98E-04	1.02E-03	pCi/m3	U
1103	606539006	11/28/2022	Cesium-137	2.25E-04	2.35E-04	8.18E-04	pCi/m3	U
1103	609493006	12/26/2022	Cesium-137	-9.40E-06	2.03E-04	6.80E-04	pCi/m3	U
1103	571510005	1/24/2022	Chromium-51	-7.34E-03	4.73E-03	1.51E-02	pCi/m3	U
1103	574141006	2/21/2022	Chromium-51	7.09E-04	3.47E-03	1.11E-02	pCi/m3	U
1103	578170005	3/21/2022	Chromium-51	4.25E-03	3.46E-03	1.26E-02	pCi/m3	U
1103	582160006	4/18/2022	Chromium-51	2.21E-03	5.89E-03	1.95E-02	pCi/m3	U
1103	585159006	5/16/2022	Chromium-51	2.52E-03	4.84E-03	1.58E-02	pCi/m3	U
1103	587304006	6/13/2022	Chromium-51	-1.40E-03	4.24E-03	1.42E-02	pCi/m3	U
1103	592750006	7/11/2022	Chromium-51	4.92E-03	8.57E-03	3.02E-02	pCi/m3	U
1103	592751006	8/8/2022	Chromium-51	-4.27E-04	4.11E-03	1.39E-02	pCi/m3	U
1103	600035006	9/5/2022	Chromium-51	-1.60E-02	1.01E-02	3.00E-02	pCi/m3	U
1103	600037006	10/3/2022	Chromium-51	-8.11E-04	3.59E-03	1.21E-02	pCi/m3	U
1103	606085006	10/31/2022	Chromium-51	1.32E-02	1.00E-02	3.26E-02	pCi/m3	U
1103	606539006	11/28/2022	Chromium-51	-7.12E-03	4.12E-03	1.25E-02	pCi/m3	U
1103	609493006	12/26/2022	Chromium-51	9.33E-04	4.08E-03	1.37E-02	pCi/m3	U
1103	571510005	1/24/2022	Cobalt-57	4.19E-04	1.84E-04	6.68E-04	pCi/m3	U
1103	574141006	2/21/2022	Cobalt-57	-1.41E-05	1.17E-04	3.80E-04	pCi/m3	U
1103	578170005	3/21/2022	Cobalt-57	3.89E-05	1.28E-04	4.25E-04	pCi/m3	U
1103	582160006	4/18/2022	Cobalt-57	-2.90E-04	1.56E-04	4.43E-04	pCi/m3	U
1103	585159006	5/16/2022	Cobalt-57	-1.26E-04	1.17E-04	3.61E-04	pCi/m3	U
1103	587304006	6/13/2022	Cobalt-57	5.20E-05	1.30E-04	4.26E-04	pCi/m3	U
1103	592750006	7/11/2022	Cobalt-57	-1.34E-04	1.38E-04	4.24E-04	pCi/m3	U
1103	592751006	8/8/2022	Cobalt-57	5.28E-05	1.23E-04	4.05E-04	pCi/m3	U
1103	600035006	9/5/2022	Cobalt-57	-1.73E-05	2.02E-04	6.36E-04	pCi/m3	U
1103	600037006	10/3/2022	Cobalt-57	-4.92E-05	1.40E-04	4.46E-04	pCi/m3	U
1103	606085006	10/31/2022	Cobalt-57	1.65E-04	1.71E-04	5.79E-04	pCi/m3	U
1103	606539006	11/28/2022	Cobalt-57	-6.68E-05	1.07E-04	3.46E-04	pCi/m3	U
1103	609493006	12/26/2022	Cobalt-57	6.16E-06	1.30E-04	4.21E-04	pCi/m3	U
1103	571510005	1/24/2022	Cobalt-58	-5.24E-04	4.29E-04	1.08E-03	pCi/m3	U
1103	574141006	2/21/2022	Cobalt-58	-2.06E-04	3.02E-04	9.09E-04	pCi/m3	U
1103	578170005	3/21/2022	Cobalt-58	5.97E-05	2.31E-04	8.07E-04	pCi/m3	U
1103	582160006	4/18/2022	Cobalt-58	-4.66E-04	3.17E-04	9.36E-04	pCi/m3	U
1103	585159006	5/16/2022	Cobalt-58	1.17E-04	3.09E-04	1.05E-03	pCi/m3	U
1103	587304006	6/13/2022	Cobalt-58	5.61E-04	3.07E-04	1.16E-03	pCi/m3	U
1103	592750006	7/11/2022	Cobalt-58	1.07E-04	4.74E-04	1.55E-03	pCi/m3	U
1103	592751006	8/8/2022	Cobalt-58	2.03E-05	4.13E-04	1.19E-03	pCi/m3	U
1103	600035006	9/5/2022	Cobalt-58	8.37E-04	6.21E-04	2.33E-03	pCi/m3	U
1103	600037006	10/3/2022	Cobalt-58	6.14E-04	3.79E-04	1.39E-03	pCi/m3	U
1103	606085006	10/31/2022	Cobalt-58	-5.29E-04	4.76E-04	1.33E-03	pCi/m3	U
1103	606539006	11/28/2022	Cobalt-58	-2.66E-04	3.12E-04	9.46E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	609493006	12/26/2022	Cobalt-58	6.59E-04	3.05E-04	1.13E-03	pCi/m3	U
1103	571510005	1/24/2022	Cobalt-60	3.13E-06	2.91E-04	9.49E-04	pCi/m3	U
1103	574141006	2/21/2022	Cobalt-60	-3.26E-04	2.45E-04	6.52E-04	pCi/m3	U
1103	578170005	3/21/2022	Cobalt-60	-2.78E-04	4.03E-04	1.02E-03	pCi/m3	U
1103	582160006	4/18/2022	Cobalt-60	-2.75E-04	3.03E-04	9.46E-04	pCi/m3	U
1103	585159006	5/16/2022	Cobalt-60	7.46E-05	2.86E-04	9.92E-04	pCi/m3	U
1103	587304006	6/13/2022	Cobalt-60	-2.64E-04	2.66E-04	7.82E-04	pCi/m3	U
1103	592750006	7/11/2022	Cobalt-60	-6.33E-05	3.12E-04	1.01E-03	pCi/m3	U
1103	592751006	8/8/2022	Cobalt-60	3.60E-04	2.79E-04	1.06E-03	pCi/m3	U
1103	600035006	9/5/2022	Cobalt-60	-2.57E-04	3.12E-04	8.33E-04	pCi/m3	U
1103	600037006	10/3/2022	Cobalt-60	-2.80E-04	2.30E-04	6.19E-04	pCi/m3	U
1103	606085006	10/31/2022	Cobalt-60	4.77E-04	2.62E-04	1.10E-03	pCi/m3	U
1103	606539006	11/28/2022	Cobalt-60	-1.82E-04	2.48E-04	7.39E-04	pCi/m3	U
1103	609493006	12/26/2022	Cobalt-60	5.62E-04	1.87E-04	1.07E-03	pCi/m3	U
1103	571510005	1/24/2022	Iron-59	-1.55E-03	9.59E-04	2.84E-03	pCi/m3	U
1103	574141006	2/21/2022	Iron-59	2.80E-04	6.46E-04	2.22E-03	pCi/m3	U
1103	578170005	3/21/2022	Iron-59	-4.96E-05	6.34E-04	2.07E-03	pCi/m3	U
1103	582160006	4/18/2022	Iron-59	1.73E-04	9.26E-04	3.09E-03	pCi/m3	U
1103	585159006	5/16/2022	Iron-59	1.36E-04	1.07E-03	3.45E-03	pCi/m3	U
1103	587304006	6/13/2022	Iron-59	-7.03E-04	6.15E-04	1.74E-03	pCi/m3	U
1103	592750006	7/11/2022	Iron-59	2.15E-03	1.41E-03	5.41E-03	pCi/m3	U
1103	592751006	8/8/2022	Iron-59	-3.95E-04	8.31E-04	2.68E-03	pCi/m3	U
1103	600035006	9/5/2022	Iron-59	-3.42E-03	1.73E-03	3.87E-03	pCi/m3	U
1103	600037006	10/3/2022	Iron-59	1.06E-03	6.00E-04	2.47E-03	pCi/m3	U
1103	606085006	10/31/2022	Iron-59	0.00E+00	1.28E-03	4.35E-03	pCi/m3	U
1103	606539006	11/28/2022	Iron-59	-7.77E-04	9.58E-04	2.78E-03	pCi/m3	U
1103	609493006	12/26/2022	Iron-59	3.19E-04	1.02E-03	3.41E-03	pCi/m3	U
1103	571510005	1/24/2022	Lanthanum-140	5.37E-04	2.71E-03	9.17E-03	pCi/m3	U
1103	574141006	2/21/2022	Lanthanum-140	2.12E-03	1.39E-03	5.93E-03	pCi/m3	U
1103	578170005	3/21/2022	Lanthanum-140	1.76E-03	1.99E-03	7.60E-03	pCi/m3	U
1103	582160006	4/18/2022	Lanthanum-140	-8.73E-03	6.87E-03	1.94E-02	pCi/m3	U
1103	585159006	5/16/2022	Lanthanum-140	-7.28E-03	4.96E-03	1.24E-02	pCi/m3	U
1103	587304006	6/13/2022	Lanthanum-140	-4.12E-03	3.18E-03	8.42E-03	pCi/m3	U
1103	592750006	7/11/2022	Lanthanum-140	9.01E-03	1.22E-02	4.47E-02	pCi/m3	U
1103	592751006	8/8/2022	Lanthanum-140	-4.55E-03	3.30E-03	8.68E-03	pCi/m3	U
1103	600035006	9/5/2022	Lanthanum-140	-1.43E-02	2.03E-02	5.84E-02	pCi/m3	U
1103	600037006	10/3/2022	Lanthanum-140	-2.65E-04	2.24E-03	7.25E-03	pCi/m3	U
1103	606085006	10/31/2022	Lanthanum-140	-5.55E-03	1.15E-02	3.47E-02	pCi/m3	U
1103	606539006	11/28/2022	Lanthanum-140	-1.83E-03	3.74E-03	1.14E-02	pCi/m3	U
1103	609493006	12/26/2022	Lanthanum-140	-5.21E-03	3.84E-03	7.70E-03	pCi/m3	U
1103	571510005	1/24/2022	Lead-210	1.52E-01	6.38E-02	1.10E-01	pCi/m3	UI
1103	574141006	2/21/2022	Lead-210	2.27E-02	5.07E-03	6.74E-03	pCi/m3	U
1103	578170005	3/21/2022	Lead-210	2.55E-01	8.44E-02	1.33E-01	pCi/m3	UI
1103	582160006	4/18/2022	Lead-210	-1.05E-02	3.87E-02	1.29E-01	pCi/m3	U
1103	585159006	5/16/2022	Lead-210	-3.57E-03	3.15E-02	1.03E-01	pCi/m3	U
1103	587304006	6/13/2022	Lead-210	7.18E-02	3.69E-02	5.60E-02	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	592750006	7/11/2022	Lead-210	2.95E-02	3.46E-02	5.20E-02	pCi/m3	U
1103	592751006	8/8/2022	Lead-210	-3.84E-02	2.47E-02	7.64E-02	pCi/m3	U
1103	600035006	9/5/2022	Lead-210	6.74E-02	3.93E-02	8.05E-02	pCi/m3	U
1103	600037006	10/3/2022	Lead-210	7.24E-03	2.55E-02	7.73E-02	pCi/m3	U
1103	606085006	10/31/2022	Lead-210	4.41E-02	6.21E-02	2.15E-01	pCi/m3	U
1103	606539006	11/28/2022	Lead-210	2.78E-02	3.14E-02	1.01E-01	pCi/m3	U
1103	609493006	12/26/2022	Lead-210	4.79E-02	2.16E-02	4.23E-02	pCi/m3	UI
1103	571510005	1/24/2022	Lead-212	1.72E-03	9.03E-04	1.93E-03	pCi/m3	U
1103	574141006	2/21/2022	Lead-212	1.30E-03	6.70E-04	1.98E-03	pCi/m3	U
1103	578170005	3/21/2022	Lead-212	7.07E-04	5.56E-04	1.34E-03	pCi/m3	U
1103	582160006	4/18/2022	Lead-212	6.60E-04	7.10E-04	1.45E-03	pCi/m3	U
1103	585159006	5/16/2022	Lead-212	1.01E-03	4.31E-04	1.33E-03	pCi/m3	U
1103	587304006	6/13/2022	Lead-212	1.83E-04	5.48E-04	1.34E-03	pCi/m3	U
1103	592750006	7/11/2022	Lead-212	-2.60E-04	4.40E-04	1.57E-03	pCi/m3	U
1103	592751006	8/8/2022	Lead-212	-6.62E-04	4.02E-04	1.17E-03	pCi/m3	U
1103	600035006	9/5/2022	Lead-212	3.92E-04	8.45E-04	1.68E-03	pCi/m3	U
1103	600037006	10/3/2022	Lead-212	5.36E-05	5.08E-04	1.30E-03	pCi/m3	U
1103	606085006	10/31/2022	Lead-212	8.88E-05	6.85E-04	1.81E-03	pCi/m3	U
1103	606539006	11/28/2022	Lead-212	1.58E-03	4.74E-04	1.41E-03	pCi/m3	UI
1103	609493006	12/26/2022	Lead-212	8.37E-04	4.80E-04	1.47E-03	pCi/m3	U
1103	571510005	1/24/2022	Lead-214	1.42E-03	9.84E-04	2.36E-03	pCi/m3	U
1103	574141006	2/21/2022	Lead-214	1.48E-03	1.12E-03	1.90E-03	pCi/m3	U
1103	578170005	3/21/2022	Lead-214	1.71E-03	8.77E-04	1.85E-03	pCi/m3	U
1103	582160006	4/18/2022	Lead-214	3.65E-05	6.09E-04	1.77E-03	pCi/m3	U
1103	585159006	5/16/2022	Lead-214	1.74E-04	7.77E-04	1.54E-03	pCi/m3	U
1103	587304006	6/13/2022	Lead-214	-3.87E-04	4.71E-04	1.52E-03	pCi/m3	U
1103	592750006	7/11/2022	Lead-214	2.47E-03	9.51E-04	1.90E-03	pCi/m3	UI
1103	592751006	8/8/2022	Lead-214	7.93E-04	8.06E-04	1.79E-03	pCi/m3	U
1103	600035006	9/5/2022	Lead-214	-7.09E-04	6.74E-04	2.16E-03	pCi/m3	U
1103	600037006	10/3/2022	Lead-214	1.14E-03	7.38E-04	1.73E-03	pCi/m3	U
1103	606085006	10/31/2022	Lead-214	-7.20E-04	6.65E-04	1.99E-03	pCi/m3	U
1103	606539006	11/28/2022	Lead-214	2.24E-05	6.20E-04	1.63E-03	pCi/m3	U
1103	609493006	12/26/2022	Lead-214	7.59E-04	5.12E-04	1.64E-03	pCi/m3	U
1103	571510005	1/24/2022	Manganese-54	2.28E-04	3.00E-04	9.07E-04	pCi/m3	U
1103	574141006	2/21/2022	Manganese-54	-1.65E-04	2.68E-04	7.04E-04	pCi/m3	U
1103	578170005	3/21/2022	Manganese-54	-8.74E-05	2.09E-04	6.76E-04	pCi/m3	U
1103	582160006	4/18/2022	Manganese-54	-1.23E-04	2.66E-04	7.41E-04	pCi/m3	U
1103	585159006	5/16/2022	Manganese-54	-1.22E-04	2.04E-04	6.10E-04	pCi/m3	U
1103	587304006	6/13/2022	Manganese-54	6.33E-05	1.89E-04	6.33E-04	pCi/m3	U
1103	592750006	7/11/2022	Manganese-54	8.39E-04	2.78E-04	1.13E-03	pCi/m3	U
1103	592751006	8/8/2022	Manganese-54	5.37E-04	2.39E-04	8.87E-04	pCi/m3	U
1103	600035006	9/5/2022	Manganese-54	-6.98E-05	3.82E-04	1.25E-03	pCi/m3	U
1103	600037006	10/3/2022	Manganese-54	1.55E-04	3.32E-04	1.00E-03	pCi/m3	U
1103	606085006	10/31/2022	Manganese-54	6.42E-04	3.49E-04	7.16E-04	pCi/m3	U
1103	606539006	11/28/2022	Manganese-54	1.42E-04	2.26E-04	8.04E-04	pCi/m3	U
1103	609493006	12/26/2022	Manganese-54	-1.50E-04	2.49E-04	7.82E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	571510005	1/24/2022	Molybdenum-99	-8.24E+00	3.29E+01	0.00E+00	pCi/m3	U
1103	574141006	2/21/2022	Molybdenum-99	-2.63E+00	7.72E+00	0.00E+00	pCi/m3	U
1103	578170005	3/21/2022	Molybdenum-99	1.72E+01	3.22E+01	0.00E+00	pCi/m3	UI
1103	582160006	4/18/2022	Molybdenum-99	-8.28E+02	5.57E+03	0.00E+00	pCi/m3	U
1103	585159006	5/16/2022	Molybdenum-99	-4.18E+00	9.29E+02	0.00E+00	pCi/m3	U
1103	587304006	6/13/2022	Molybdenum-99	1.31E-01	1.25E+02	0.00E+00	pCi/m3	UI
1103	592750006	7/11/2022	Molybdenum-99	1.28E+05	1.34E+05	0.00E+00	pCi/m3	UI
1103	592751006	8/8/2022	Molybdenum-99	-2.07E+02	1.07E+02	0.00E+00	pCi/m3	U
1103	600035006	9/5/2022	Molybdenum-99	3.12E+03	4.27E+04	0.00E+00	pCi/m3	UI
1103	600037006	10/3/2022	Molybdenum-99	-1.12E+01	2.66E+01	0.00E+00	pCi/m3	U
1103	606085006	10/31/2022	Molybdenum-99	-1.65E+04	3.98E+04	0.00E+00	pCi/m3	U
1103	606539006	11/28/2022	Molybdenum-99	-1.31E+02	1.31E+02	0.00E+00	pCi/m3	U
1103	609493006	12/26/2022	Molybdenum-99	6.09E+01	9.64E+01	0.00E+00	pCi/m3	UI
1103	571510005	1/24/2022	Niobium-95	-7.39E-05	4.08E-04	1.33E-03	pCi/m3	U
1103	574141006	2/21/2022	Niobium-95	-1.64E-04	3.09E-04	9.59E-04	pCi/m3	U
1103	578170005	3/21/2022	Niobium-95	2.31E-05	3.29E-04	9.98E-04	pCi/m3	U
1103	582160006	4/18/2022	Niobium-95	-8.58E-05	4.66E-04	1.48E-03	pCi/m3	U
1103	585159006	5/16/2022	Niobium-95	-5.57E-04	3.42E-04	9.07E-04	pCi/m3	U
1103	587304006	6/13/2022	Niobium-95	8.65E-04	3.50E-04	1.36E-03	pCi/m3	U
1103	592750006	7/11/2022	Niobium-95	-5.44E-04	5.03E-04	1.45E-03	pCi/m3	U
1103	592751006	8/8/2022	Niobium-95	1.23E-03	6.98E-04	9.41E-04	pCi/m3	UI
1103	600035006	9/5/2022	Niobium-95	-2.69E-05	5.76E-04	1.81E-03	pCi/m3	U
1103	600037006	10/3/2022	Niobium-95	3.42E-05	3.53E-04	1.15E-03	pCi/m3	U
1103	606085006	10/31/2022	Niobium-95	3.07E-04	4.91E-04	1.69E-03	pCi/m3	U
1103	606539006	11/28/2022	Niobium-95	3.84E-04	3.43E-04	1.27E-03	pCi/m3	U
1103	609493006	12/26/2022	Niobium-95	2.24E-04	3.36E-04	1.18E-03	pCi/m3	U
1103	571510005	1/24/2022	Potassium-40	9.97E-03	6.91E-03	8.72E-03	pCi/m3	UI
1103	574141006	2/21/2022	Potassium-40	-6.85E-03	4.21E-03	1.51E-02	pCi/m3	U
1103	578170005	3/21/2022	Potassium-40	6.46E-03	4.73E-03	1.15E-02	pCi/m3	U
1103	582160006	4/18/2022	Potassium-40	1.75E-02	5.48E-03	7.21E-03	pCi/m3	U
1103	585159006	5/16/2022	Potassium-40	1.07E-02	5.41E-03	5.80E-03	pCi/m3	UI
1103	587304006	6/13/2022	Potassium-40	-3.33E-03	3.57E-03	1.27E-02	pCi/m3	U
1103	592750006	7/11/2022	Potassium-40	1.51E-02	6.70E-03	6.42E-03	pCi/m3	U
1103	592751006	8/8/2022	Potassium-40	1.05E-02	4.81E-03	6.70E-03	pCi/m3	UI
1103	600035006	9/5/2022	Potassium-40	2.04E-02	8.04E-03	1.04E-02	pCi/m3	UI
1103	600037006	10/3/2022	Potassium-40	3.81E-03	6.29E-03	1.01E-02	pCi/m3	U
1103	606085006	10/31/2022	Potassium-40	1.56E-02	6.50E-03	7.87E-03	pCi/m3	UI
1103	606539006	11/28/2022	Potassium-40	1.77E-02	5.26E-03	1.07E-02	pCi/m3	UI
1103	609493006	12/26/2022	Potassium-40	1.38E-03	4.43E-03	1.07E-02	pCi/m3	U
1103	571510005	1/24/2022	Radium-226	3.72E-04	1.05E-03	2.20E-03	pCi/m3	U
1103	574141006	2/21/2022	Radium-226	-6.31E-04	7.05E-04	2.24E-03	pCi/m3	U
1103	578170005	3/21/2022	Radium-226	-1.14E-04	4.98E-04	1.52E-03	pCi/m3	U
1103	582160006	4/18/2022	Radium-226	1.22E-04	1.04E-03	1.87E-03	pCi/m3	U
1103	585159006	5/16/2022	Radium-226	2.23E-03	8.90E-04	1.36E-03	pCi/m3	UI
1103	587304006	6/13/2022	Radium-226	-1.71E-04	5.76E-04	1.68E-03	pCi/m3	U
1103	592750006	7/11/2022	Radium-226	2.07E-03	7.84E-04	1.48E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	592751006	8/8/2022	Radium-226	2.27E-03	1.11E-03	2.11E-03	pCi/m3	U
1103	600035006	9/5/2022	Radium-226	-7.09E-04	6.74E-04	2.16E-03	pCi/m3	U
1103	600037006	10/3/2022	Radium-226	1.14E-03	7.38E-04	1.73E-03	pCi/m3	U
1103	606085006	10/31/2022	Radium-226	-7.20E-04	6.65E-04	1.99E-03	pCi/m3	U
1103	606539006	11/28/2022	Radium-226	2.24E-05	6.20E-04	1.63E-03	pCi/m3	U
1103	609493006	12/26/2022	Radium-226	7.59E-04	5.12E-04	1.64E-03	pCi/m3	U
1103	571510005	1/24/2022	Radium-228	1.67E-03	1.95E-03	4.02E-03	pCi/m3	U
1103	574141006	2/21/2022	Radium-228	1.06E-03	1.29E-03	4.41E-03	pCi/m3	U
1103	578170005	3/21/2022	Radium-228	2.70E-03	1.35E-03	4.21E-03	pCi/m3	U
1103	582160006	4/18/2022	Radium-228	2.08E-03	1.45E-03	3.82E-03	pCi/m3	U
1103	585159006	5/16/2022	Radium-228	-6.14E-04	1.03E-03	3.31E-03	pCi/m3	U
1103	587304006	6/13/2022	Radium-228	-8.67E-04	1.11E-03	3.75E-03	pCi/m3	U
1103	592750006	7/11/2022	Radium-228	-1.11E-03	1.41E-03	3.76E-03	pCi/m3	U
1103	592751006	8/8/2022	Radium-228	-2.57E-03	1.11E-03	3.04E-03	pCi/m3	U
1103	600035006	9/5/2022	Radium-228	-6.72E-04	1.61E-03	5.38E-03	pCi/m3	U
1103	600037006	10/3/2022	Radium-228	4.18E-04	1.01E-03	3.36E-03	pCi/m3	U
1103	606085006	10/31/2022	Radium-228	2.03E-03	1.38E-03	5.00E-03	pCi/m3	U
1103	606539006	11/28/2022	Radium-228	1.03E-03	1.09E-03	3.65E-03	pCi/m3	U
1103	609493006	12/26/2022	Radium-228	4.70E-04	1.25E-03	4.40E-03	pCi/m3	U
1103	571510005	1/24/2022	Ruthenium-103	-1.68E-05	4.59E-04	1.49E-03	pCi/m3	U
1103	574141006	2/21/2022	Ruthenium-103	2.87E-04	3.59E-04	1.29E-03	pCi/m3	U
1103	578170005	3/21/2022	Ruthenium-103	4.69E-04	3.61E-04	1.30E-03	pCi/m3	U
1103	582160006	4/18/2022	Ruthenium-103	-1.21E-05	4.96E-04	1.66E-03	pCi/m3	U
1103	585159006	5/16/2022	Ruthenium-103	3.43E-04	3.41E-04	1.26E-03	pCi/m3	U
1103	587304006	6/13/2022	Ruthenium-103	-2.80E-04	5.07E-04	1.51E-03	pCi/m3	U
1103	592750006	7/11/2022	Ruthenium-103	1.49E-03	6.39E-04	2.47E-03	pCi/m3	U
1103	592751006	8/8/2022	Ruthenium-103	1.75E-04	4.08E-04	1.40E-03	pCi/m3	U
1103	600035006	9/5/2022	Ruthenium-103	-1.08E-03	8.37E-04	2.38E-03	pCi/m3	U
1103	600037006	10/3/2022	Ruthenium-103	5.52E-07	3.51E-04	1.17E-03	pCi/m3	U
1103	606085006	10/31/2022	Ruthenium-103	4.72E-04	6.83E-04	2.40E-03	pCi/m3	U
1103	606539006	11/28/2022	Ruthenium-103	-7.65E-05	3.91E-04	1.26E-03	pCi/m3	U
1103	609493006	12/26/2022	Ruthenium-103	2.03E-04	3.68E-04	1.24E-03	pCi/m3	U
1103	571510005	1/24/2022	Ruthenium-106	-6.95E-03	3.01E-03	7.41E-03	pCi/m3	U
1103	574141006	2/21/2022	Ruthenium-106	-1.18E-03	2.16E-03	6.86E-03	pCi/m3	U
1103	578170005	3/21/2022	Ruthenium-106	3.17E-03	2.30E-03	8.21E-03	pCi/m3	U
1103	582160006	4/18/2022	Ruthenium-106	-2.95E-03	2.39E-03	7.26E-03	pCi/m3	U
1103	585159006	5/16/2022	Ruthenium-106	-2.95E-03	1.77E-03	4.82E-03	pCi/m3	U
1103	587304006	6/13/2022	Ruthenium-106	9.45E-04	1.92E-03	6.56E-03	pCi/m3	U
1103	592750006	7/11/2022	Ruthenium-106	1.21E-03	1.72E-03	6.05E-03	pCi/m3	U
1103	592751006	8/8/2022	Ruthenium-106	-2.86E-03	1.95E-03	5.55E-03	pCi/m3	U
1103	600035006	9/5/2022	Ruthenium-106	-2.52E-03	3.11E-03	9.07E-03	pCi/m3	U
1103	600037006	10/3/2022	Ruthenium-106	1.97E-03	1.94E-03	6.95E-03	pCi/m3	U
1103	606085006	10/31/2022	Ruthenium-106	-2.42E-03	2.51E-03	7.50E-03	pCi/m3	U
1103	606539006	11/28/2022	Ruthenium-106	6.53E-04	2.06E-03	6.81E-03	pCi/m3	U
1103	609493006	12/26/2022	Ruthenium-106	-2.76E-03	2.13E-03	6.54E-03	pCi/m3	U
1103	571510005	1/24/2022	Selenium-75	5.44E-04	4.06E-04	1.36E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	574141006	2/21/2022	Selenium-75	-3.98E-05	2.92E-04	9.16E-04	pCi/m3	U
1103	578170005	3/21/2022	Selenium-75	-2.19E-04	2.57E-04	8.43E-04	pCi/m3	U
1103	582160006	4/18/2022	Selenium-75	3.77E-04	3.28E-04	1.09E-03	pCi/m3	U
1103	585159006	5/16/2022	Selenium-75	-3.12E-04	3.19E-04	9.44E-04	pCi/m3	U
1103	587304006	6/13/2022	Selenium-75	-4.18E-04	2.75E-04	8.77E-04	pCi/m3	U
1103	592750006	7/11/2022	Selenium-75	8.98E-04	5.64E-04	1.25E-03	pCi/m3	U
1103	592751006	8/8/2022	Selenium-75	7.91E-04	5.38E-04	1.06E-03	pCi/m3	U
1103	600035006	9/5/2022	Selenium-75	-2.34E-05	4.90E-04	1.48E-03	pCi/m3	U
1103	600037006	10/3/2022	Selenium-75	-1.64E-04	3.13E-04	9.47E-04	pCi/m3	U
1103	606085006	10/31/2022	Selenium-75	4.23E-04	4.15E-04	1.38E-03	pCi/m3	U
1103	606539006	11/28/2022	Selenium-75	2.11E-04	2.95E-04	9.71E-04	pCi/m3	U
1103	609493006	12/26/2022	Selenium-75	-1.72E-04	2.79E-04	9.07E-04	pCi/m3	U
1103	571510005	1/24/2022	Silver-108m	3.97E-04	2.31E-04	8.14E-04	pCi/m3	U
1103	574141006	2/21/2022	Silver-108m	3.70E-04	1.64E-04	6.24E-04	pCi/m3	U
1103	578170005	3/21/2022	Silver-108m	1.71E-04	1.58E-04	5.65E-04	pCi/m3	U
1103	582160006	4/18/2022	Silver-108m	-3.59E-05	1.83E-04	6.13E-04	pCi/m3	U
1103	585159006	5/16/2022	Silver-108m	3.26E-04	1.59E-04	6.01E-04	pCi/m3	U
1103	587304006	6/13/2022	Silver-108m	-1.24E-04	1.61E-04	5.13E-04	pCi/m3	U
1103	592750006	7/11/2022	Silver-108m	1.98E-04	1.42E-04	5.28E-04	pCi/m3	U
1103	592751006	8/8/2022	Silver-108m	-1.48E-04	1.86E-04	5.94E-04	pCi/m3	U
1103	600035006	9/5/2022	Silver-108m	2.67E-04	2.33E-04	8.40E-04	pCi/m3	U
1103	600037006	10/3/2022	Silver-108m	3.42E-04	2.16E-04	7.19E-04	pCi/m3	U
1103	606085006	10/31/2022	Silver-108m	-1.98E-04	1.77E-04	5.41E-04	pCi/m3	U
1103	606539006	11/28/2022	Silver-108m	8.30E-05	1.70E-04	5.84E-04	pCi/m3	U
1103	609493006	12/26/2022	Silver-108m	4.53E-05	1.67E-04	5.56E-04	pCi/m3	U
1103	571510005	1/24/2022	Silver-110m	-4.96E-05	4.27E-04	1.38E-03	pCi/m3	U
1103	574141006	2/21/2022	Silver-110m	-2.61E-04	3.62E-04	1.08E-03	pCi/m3	U
1103	578170005	3/21/2022	Silver-110m	1.03E-05	2.77E-04	9.35E-04	pCi/m3	U
1103	582160006	4/18/2022	Silver-110m	3.22E-04	3.81E-04	1.34E-03	pCi/m3	U
1103	585159006	5/16/2022	Silver-110m	-2.16E-04	2.87E-04	8.26E-04	pCi/m3	U
1103	587304006	6/13/2022	Silver-110m	-3.84E-04	2.84E-04	7.39E-04	pCi/m3	U
1103	592750006	7/11/2022	Silver-110m	2.82E-04	3.65E-04	1.27E-03	pCi/m3	U
1103	592751006	8/8/2022	Silver-110m	1.61E-04	2.97E-04	9.25E-04	pCi/m3	U
1103	600035006	9/5/2022	Silver-110m	7.26E-04	3.91E-04	1.65E-03	pCi/m3	U
1103	600037006	10/3/2022	Silver-110m	-5.61E-04	3.77E-04	1.01E-03	pCi/m3	U
1103	606085006	10/31/2022	Silver-110m	-6.70E-04	3.92E-04	9.39E-04	pCi/m3	U
1103	606539006	11/28/2022	Silver-110m	4.43E-04	3.54E-04	1.32E-03	pCi/m3	U
1103	609493006	12/26/2022	Silver-110m	-2.98E-04	3.62E-04	1.10E-03	pCi/m3	U
1103	571510005	1/24/2022	Tellurium-132	-1.51E+00	8.89E-01	0.00E+00	pCi/m3	U
1103	574141006	2/21/2022	Tellurium-132	2.36E-01	2.55E-01	0.00E+00	pCi/m3	UI
1103	578170005	3/21/2022	Tellurium-132	5.72E-01	8.07E-01	0.00E+00	pCi/m3	UI
1103	582160006	4/18/2022	Tellurium-132	1.23E+01	5.11E+01	0.00E+00	pCi/m3	UI
1103	585159006	5/16/2022	Tellurium-132	-8.74E+00	9.97E+00	0.00E+00	pCi/m3	U
1103	587304006	6/13/2022	Tellurium-132	3.31E-01	2.61E+00	0.00E+00	pCi/m3	UI
1103	592750006	7/11/2022	Tellurium-132	-2.05E+03	9.33E+02	0.00E+00	pCi/m3	U
1103	592751006	8/8/2022	Tellurium-132	1.53E+00	2.14E+00	0.00E+00	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	600035006	9/5/2022	Tellurium-132	2.00E+02	3.54E+02	0.00E+00	pCi/m3	UI
1103	600037006	10/3/2022	Tellurium-132	-1.34E-01	5.14E-01	0.00E+00	pCi/m3	U
1103	606085006	10/31/2022	Tellurium-132	-2.21E+02	3.86E+02	0.00E+00	pCi/m3	U
1103	606539006	11/28/2022	Tellurium-132	1.79E-01	2.04E+00	0.00E+00	pCi/m3	UI
1103	609493006	12/26/2022	Tellurium-132	3.15E-01	2.04E+00	0.00E+00	pCi/m3	UI
1103	571510005	1/24/2022	Thallium-208	1.37E-03	5.88E-04	8.50E-04	pCi/m3	UI
1103	574141006	2/21/2022	Thallium-208	1.04E-04	4.95E-04	8.41E-04	pCi/m3	U
1103	578170005	3/21/2022	Thallium-208	1.35E-04	2.57E-04	8.65E-04	pCi/m3	U
1103	582160006	4/18/2022	Thallium-208	-3.39E-04	2.94E-04	9.41E-04	pCi/m3	U
1103	585159006	5/16/2022	Thallium-208	-1.08E-04	2.67E-04	8.77E-04	pCi/m3	U
1103	587304006	6/13/2022	Thallium-208	-9.08E-05	3.00E-04	8.87E-04	pCi/m3	U
1103	592750006	7/11/2022	Thallium-208	-1.81E-04	2.81E-04	8.94E-04	pCi/m3	U
1103	592751006	8/8/2022	Thallium-208	-2.45E-04	2.76E-04	8.41E-04	pCi/m3	U
1103	600035006	9/5/2022	Thallium-208	7.32E-05	5.46E-04	8.56E-04	pCi/m3	U
1103	600037006	10/3/2022	Thallium-208	-1.36E-04	2.26E-04	7.12E-04	pCi/m3	U
1103	606085006	10/31/2022	Thallium-208	6.21E-04	5.02E-04	8.32E-04	pCi/m3	U
1103	606539006	11/28/2022	Thallium-208	7.78E-05	2.57E-04	8.20E-04	pCi/m3	U
1103	609493006	12/26/2022	Thallium-208	4.96E-04	3.21E-04	6.39E-04	pCi/m3	U
1103	571510005	1/24/2022	Thorium-228	1.72E-03	9.03E-04	1.93E-03	pCi/m3	U
1103	574141006	2/21/2022	Thorium-228	1.30E-03	6.70E-04	1.98E-03	pCi/m3	U
1103	578170005	3/21/2022	Thorium-228	7.07E-04	5.56E-04	1.34E-03	pCi/m3	U
1103	582160006	4/18/2022	Thorium-228	6.60E-04	7.10E-04	1.45E-03	pCi/m3	U
1103	585159006	5/16/2022	Thorium-228	1.01E-03	4.31E-04	1.33E-03	pCi/m3	U
1103	587304006	6/13/2022	Thorium-228	1.83E-04	5.48E-04	1.34E-03	pCi/m3	U
1103	592750006	7/11/2022	Thorium-228	-2.60E-04	4.40E-04	1.57E-03	pCi/m3	U
1103	592751006	8/8/2022	Thorium-228	-6.62E-04	4.02E-04	1.17E-03	pCi/m3	U
1103	600035006	9/5/2022	Thorium-228	3.92E-04	8.45E-04	1.68E-03	pCi/m3	U
1103	600037006	10/3/2022	Thorium-228	5.36E-05	5.08E-04	1.30E-03	pCi/m3	U
1103	606085006	10/31/2022	Thorium-228	8.88E-05	6.85E-04	1.81E-03	pCi/m3	U
1103	606539006	11/28/2022	Thorium-228	1.58E-03	4.74E-04	1.41E-03	pCi/m3	UI
1103	609493006	12/26/2022	Thorium-228	8.37E-04	4.80E-04	1.47E-03	pCi/m3	U
1103	571510005	1/24/2022	Thorium-230	3.72E-04	1.05E-03	2.20E-03	pCi/m3	U
1103	574141006	2/21/2022	Thorium-230	-6.31E-04	7.05E-04	2.24E-03	pCi/m3	U
1103	578170005	3/21/2022	Thorium-230	-1.14E-04	4.98E-04	1.52E-03	pCi/m3	U
1103	582160006	4/18/2022	Thorium-230	1.22E-04	1.04E-03	1.87E-03	pCi/m3	U
1103	585159006	5/16/2022	Thorium-230	2.23E-03	8.90E-04	1.36E-03	pCi/m3	UI
1103	587304006	6/13/2022	Thorium-230	-1.71E-04	5.76E-04	1.68E-03	pCi/m3	U
1103	592750006	7/11/2022	Thorium-230	2.07E-03	7.84E-04	1.48E-03	pCi/m3	U
1103	592751006	8/8/2022	Thorium-230	2.27E-03	1.11E-03	2.11E-03	pCi/m3	UI
1103	600035006	9/5/2022	Thorium-230	-7.09E-04	6.74E-04	2.16E-03	pCi/m3	U
1103	600037006	10/3/2022	Thorium-230	1.14E-03	7.38E-04	1.73E-03	pCi/m3	U
1103	606085006	10/31/2022	Thorium-230	-7.20E-04	6.65E-04	1.99E-03	pCi/m3	U
1103	606539006	11/28/2022	Thorium-230	2.24E-05	6.20E-04	1.63E-03	pCi/m3	U
1103	609493006	12/26/2022	Thorium-230	7.59E-04	5.12E-04	1.64E-03	pCi/m3	U
1103	571510005	1/24/2022	Thorium-232	1.67E-03	1.95E-03	4.02E-03	pCi/m3	U
1103	574141006	2/21/2022	Thorium-232	1.06E-03	1.29E-03	4.41E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	578170005	3/21/2022	Thorium-232	2.70E-03	1.35E-03	4.21E-03	pCi/m3	U
1103	582160006	4/18/2022	Thorium-232	2.08E-03	1.45E-03	3.82E-03	pCi/m3	U
1103	585159006	5/16/2022	Thorium-232	-6.14E-04	1.03E-03	3.31E-03	pCi/m3	U
1103	587304006	6/13/2022	Thorium-232	-8.67E-04	1.11E-03	3.75E-03	pCi/m3	U
1103	592750006	7/11/2022	Thorium-232	-1.11E-03	1.41E-03	3.76E-03	pCi/m3	U
1103	592751006	8/8/2022	Thorium-232	-2.57E-03	1.11E-03	3.04E-03	pCi/m3	U
1103	600035006	9/5/2022	Thorium-232	-6.72E-04	1.61E-03	5.38E-03	pCi/m3	U
1103	600037006	10/3/2022	Thorium-232	4.18E-04	1.01E-03	3.36E-03	pCi/m3	U
1103	606085006	10/31/2022	Thorium-232	2.03E-03	1.38E-03	5.00E-03	pCi/m3	U
1103	606539006	11/28/2022	Thorium-232	1.03E-03	1.09E-03	3.65E-03	pCi/m3	U
1103	609493006	12/26/2022	Thorium-232	4.70E-04	1.25E-03	4.40E-03	pCi/m3	U
1103	571510005	1/24/2022	Thorium-234	1.82E-03	1.27E-02	4.30E-02	pCi/m3	U
1103	574141006	2/21/2022	Thorium-234	2.85E-03	4.29E-03	6.85E-03	pCi/m3	U
1103	578170005	3/21/2022	Thorium-234	4.44E-02	2.42E-02	2.58E-02	pCi/m3	UI
1103	582160006	4/18/2022	Thorium-234	-5.81E-03	1.17E-02	3.54E-02	pCi/m3	U
1103	585159006	5/16/2022	Thorium-234	1.86E-02	1.32E-02	2.23E-02	pCi/m3	U
1103	587304006	6/13/2022	Thorium-234	8.53E-03	1.25E-02	2.32E-02	pCi/m3	U
1103	592750006	7/11/2022	Thorium-234	6.94E-03	1.21E-02	2.59E-02	pCi/m3	U
1103	592751006	8/8/2022	Thorium-234	1.66E-02	1.61E-02	1.92E-02	pCi/m3	U
1103	600035006	9/5/2022	Thorium-234	2.54E-04	9.27E-03	2.94E-02	pCi/m3	U
1103	600037006	10/3/2022	Thorium-234	-3.94E-04	7.20E-03	2.37E-02	pCi/m3	U
1103	606085006	10/31/2022	Thorium-234	3.54E-03	1.21E-02	3.66E-02	pCi/m3	U
1103	606539006	11/28/2022	Thorium-234	-6.49E-03	6.41E-03	2.20E-02	pCi/m3	U
1103	609493006	12/26/2022	Thorium-234	1.13E-02	9.56E-03	1.57E-02	pCi/m3	U
1103	571510005	1/24/2022	Uranium-234	3.72E-04	1.05E-03	2.20E-03	pCi/m3	U
1103	574141006	2/21/2022	Uranium-234	-6.31E-04	7.05E-04	2.24E-03	pCi/m3	U
1103	578170005	3/21/2022	Uranium-234	-1.14E-04	4.98E-04	1.52E-03	pCi/m3	U
1103	582160006	4/18/2022	Uranium-234	1.22E-04	1.04E-03	1.87E-03	pCi/m3	U
1103	585159006	5/16/2022	Uranium-234	2.23E-03	8.90E-04	1.36E-03	pCi/m3	UI
1103	587304006	6/13/2022	Uranium-234	-1.71E-04	5.76E-04	1.68E-03	pCi/m3	U
1103	592750006	7/11/2022	Uranium-234	2.07E-03	7.84E-04	1.48E-03	pCi/m3	U
1103	592751006	8/8/2022	Uranium-234	2.27E-03	1.11E-03	2.11E-03	pCi/m3	UI
1103	600035006	9/5/2022	Uranium-234	-7.09E-04	6.74E-04	2.16E-03	pCi/m3	U
1103	600037006	10/3/2022	Uranium-234	1.14E-03	7.38E-04	1.73E-03	pCi/m3	U
1103	606085006	10/31/2022	Uranium-234	-7.20E-04	6.65E-04	1.99E-03	pCi/m3	U
1103	606539006	11/28/2022	Uranium-234	2.24E-05	6.20E-04	1.63E-03	pCi/m3	U
1103	609493006	12/26/2022	Uranium-234	7.59E-04	5.12E-04	1.64E-03	pCi/m3	U
1103	571510005	1/24/2022	Zinc-65	-8.85E-04	8.11E-04	2.08E-03	pCi/m3	U
1103	574141006	2/21/2022	Zinc-65	7.18E-04	5.52E-04	2.08E-03	pCi/m3	U
1103	578170005	3/21/2022	Zinc-65	-3.83E-04	5.26E-04	1.57E-03	pCi/m3	U
1103	582160006	4/18/2022	Zinc-65	1.09E-03	5.70E-04	2.01E-03	pCi/m3	U
1103	585159006	5/16/2022	Zinc-65	3.06E-04	5.58E-04	1.75E-03	pCi/m3	U
1103	587304006	6/13/2022	Zinc-65	7.03E-04	4.93E-04	1.90E-03	pCi/m3	U
1103	592750006	7/11/2022	Zinc-65	-6.58E-04	9.45E-04	1.61E-03	pCi/m3	U
1103	592751006	8/8/2022	Zinc-65	-8.88E-04	5.37E-04	1.48E-03	pCi/m3	U
1103	600035006	9/5/2022	Zinc-65	-6.74E-04	8.57E-04	2.52E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	600037006	10/3/2022	Zinc-65	-3.90E-04	5.80E-04	1.83E-03	pCi/m3	U
1103	606085006	10/31/2022	Zinc-65	3.25E-04	6.99E-04	2.48E-03	pCi/m3	U
1103	606539006	11/28/2022	Zinc-65	4.33E-04	5.78E-04	2.05E-03	pCi/m3	U
1103	609493006	12/26/2022	Zinc-65	-5.94E-05	7.05E-04	2.26E-03	pCi/m3	U
1103	571510005	1/24/2022	Zirconium-95	-4.12E-04	8.11E-04	2.41E-03	pCi/m3	U
1103	574141006	2/21/2022	Zirconium-95	2.43E-04	5.66E-04	1.95E-03	pCi/m3	U
1103	578170005	3/21/2022	Zirconium-95	1.08E-03	4.82E-04	1.92E-03	pCi/m3	U
1103	582160006	4/18/2022	Zirconium-95	-6.46E-04	7.99E-04	2.42E-03	pCi/m3	U
1103	585159006	5/16/2022	Zirconium-95	1.43E-03	6.23E-04	2.49E-03	pCi/m3	U
1103	587304006	6/13/2022	Zirconium-95	-1.02E-03	5.69E-04	1.48E-03	pCi/m3	U
1103	592750006	7/11/2022	Zirconium-95	-3.60E-04	8.07E-04	2.48E-03	pCi/m3	U
1103	592751006	8/8/2022	Zirconium-95	1.82E-05	6.56E-04	2.13E-03	pCi/m3	U
1103	600035006	9/5/2022	Zirconium-95	3.11E-04	1.15E-03	3.78E-03	pCi/m3	U
1103	600037006	10/3/2022	Zirconium-95	5.80E-04	5.81E-04	2.06E-03	pCi/m3	U
1103	606085006	10/31/2022	Zirconium-95	-1.68E-03	8.99E-04	2.27E-03	pCi/m3	U
1103	606539006	11/28/2022	Zirconium-95	-3.52E-04	4.47E-04	1.35E-03	pCi/m3	U
1103	609493006	12/26/2022	Zirconium-95	-3.68E-04	6.38E-04	2.03E-03	pCi/m3	U
1104	571510002	1/24/2022	Actinium-228	6.12E-04	1.67E-03	4.21E-03	pCi/m3	U
1104	574141003	2/21/2022	Actinium-228	1.22E-03	1.13E-03	4.13E-03	pCi/m3	U
1104	578170002	3/21/2022	Actinium-228	-5.65E-04	1.18E-03	3.88E-03	pCi/m3	U
1104	582160003	4/18/2022	Actinium-228	-5.60E-04	1.12E-03	3.59E-03	pCi/m3	U
1104	585159003	5/16/2022	Actinium-228	5.28E-03	1.54E-03	5.20E-03	pCi/m3	UI
1104	587304003	6/13/2022	Actinium-228	6.50E-04	1.52E-03	4.10E-03	pCi/m3	U
1104	592750003	7/11/2022	Actinium-228	2.28E-03	1.70E-03	3.58E-03	pCi/m3	U
1104	592751003	8/8/2022	Actinium-228	4.26E-03	1.40E-03	3.61E-03	pCi/m3	UI
1104	600035003	9/5/2022	Actinium-228	-2.17E-03	1.08E-03	3.23E-03	pCi/m3	U
1104	600037003	10/3/2022	Actinium-228	1.56E-03	1.71E-03	4.05E-03	pCi/m3	U
1104	606085003	10/31/2022	Actinium-228	-1.66E-03	9.30E-04	2.88E-03	pCi/m3	U
1104	606539003	11/28/2022	Actinium-228	2.63E-03	1.21E-03	3.35E-03	pCi/m3	U
1104	609493003	12/26/2022	Actinium-228	1.88E-03	1.15E-03	3.90E-03	pCi/m3	U
1104	571510002	1/24/2022	Americium-241	4.09E-04	1.10E-03	3.65E-03	pCi/m3	U
1104	574141003	2/21/2022	Americium-241	5.81E-04	9.36E-04	3.19E-03	pCi/m3	U
1104	578170002	3/21/2022	Americium-241	-1.58E-04	5.14E-04	1.44E-03	pCi/m3	U
1104	582160003	4/18/2022	Americium-241	2.15E-04	6.21E-04	2.10E-03	pCi/m3	U
1104	585159003	5/16/2022	Americium-241	-9.21E-04	8.64E-04	2.73E-03	pCi/m3	U
1104	587304003	6/13/2022	Americium-241	1.19E-03	5.46E-04	1.93E-03	pCi/m3	U
1104	592750003	7/11/2022	Americium-241	-3.94E-05	1.11E-03	3.69E-03	pCi/m3	U
1104	592751003	8/8/2022	Americium-241	1.85E-04	3.72E-04	1.17E-03	pCi/m3	U
1104	600035003	9/5/2022	Americium-241	-5.43E-04	6.90E-04	2.20E-03	pCi/m3	U
1104	600037003	10/3/2022	Americium-241	8.09E-04	1.22E-03	3.84E-03	pCi/m3	U
1104	606085003	10/31/2022	Americium-241	1.42E-04	3.66E-04	1.16E-03	pCi/m3	U
1104	606539003	11/28/2022	Americium-241	-4.43E-04	5.09E-04	1.52E-03	pCi/m3	U
1104	609493003	12/26/2022	Americium-241	-1.63E-04	2.13E-04	6.69E-04	pCi/m3	U
1104	571510002	1/24/2022	Antimony-124	9.00E-04	9.73E-04	3.56E-03	pCi/m3	U
1104	574141003	2/21/2022	Antimony-124	6.57E-04	1.10E-03	3.94E-03	pCi/m3	U
1104	578170002	3/21/2022	Antimony-124	1.38E-03	9.17E-04	3.58E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	582160003	4/18/2022	Antimony-124	1.30E-03	1.06E-03	4.17E-03	pCi/m3	U
1104	585159003	5/16/2022	Antimony-124	-2.41E-04	6.86E-04	2.08E-03	pCi/m3	U
1104	587304003	6/13/2022	Antimony-124	-8.29E-04	8.59E-04	2.32E-03	pCi/m3	U
1104	592750003	7/11/2022	Antimony-124	1.60E-05	1.13E-03	3.70E-03	pCi/m3	U
1104	592751003	8/8/2022	Antimony-124	-5.25E-04	7.57E-04	2.10E-03	pCi/m3	U
1104	600035003	9/5/2022	Antimony-124	-6.91E-05	1.55E-03	4.42E-03	pCi/m3	U
1104	600037003	10/3/2022	Antimony-124	-6.48E-04	8.25E-04	2.27E-03	pCi/m3	U
1104	606085003	10/31/2022	Antimony-124	9.71E-04	8.77E-04	3.38E-03	pCi/m3	U
1104	606539003	11/28/2022	Antimony-124	-9.15E-04	7.04E-04	1.77E-03	pCi/m3	U
1104	609493003	12/26/2022	Antimony-124	-7.19E-04	8.45E-04	2.23E-03	pCi/m3	U
1104	571510002	1/24/2022	Antimony-125	-4.89E-04	6.24E-04	1.95E-03	pCi/m3	U
1104	574141003	2/21/2022	Antimony-125	4.38E-06	5.42E-04	1.81E-03	pCi/m3	U
1104	578170002	3/21/2022	Antimony-125	-6.94E-04	6.32E-04	1.86E-03	pCi/m3	U
1104	582160003	4/18/2022	Antimony-125	6.29E-04	5.59E-04	2.02E-03	pCi/m3	U
1104	585159003	5/16/2022	Antimony-125	-3.81E-04	5.95E-04	1.88E-03	pCi/m3	U
1104	587304003	6/13/2022	Antimony-125	-3.92E-04	5.08E-04	1.62E-03	pCi/m3	U
1104	592750003	7/11/2022	Antimony-125	0.00E+00	5.19E-04	1.76E-03	pCi/m3	U
1104	592751003	8/8/2022	Antimony-125	1.33E-06	4.91E-04	1.62E-03	pCi/m3	U
1104	600035003	9/5/2022	Antimony-125	3.19E-04	5.01E-04	1.75E-03	pCi/m3	U
1104	600037003	10/3/2022	Antimony-125	8.39E-04	6.19E-04	2.17E-03	pCi/m3	U
1104	606085003	10/31/2022	Antimony-125	-4.40E-04	5.00E-04	1.56E-03	pCi/m3	U
1104	606539003	11/28/2022	Antimony-125	-1.87E-04	4.35E-04	1.41E-03	pCi/m3	U
1104	609493003	12/26/2022	Antimony-125	-1.05E-03	4.94E-04	1.32E-03	pCi/m3	U
1104	571510002	1/24/2022	Barium-140	1.41E-03	6.34E-03	2.11E-02	pCi/m3	U
1104	574141003	2/21/2022	Barium-140	-7.07E-03	5.21E-03	1.50E-02	pCi/m3	U
1104	578170002	3/21/2022	Barium-140	1.44E-02	6.63E-03	2.51E-02	pCi/m3	U
1104	582160003	4/18/2022	Barium-140	1.00E-02	1.79E-02	6.18E-02	pCi/m3	U
1104	585159003	5/16/2022	Barium-140	4.72E-03	1.23E-02	4.17E-02	pCi/m3	U
1104	587304003	6/13/2022	Barium-140	-3.63E-03	7.61E-03	2.43E-02	pCi/m3	U
1104	592750003	7/11/2022	Barium-140	-3.40E-02	3.65E-02	9.75E-02	pCi/m3	U
1104	592751003	8/8/2022	Barium-140	2.97E-03	6.82E-03	2.30E-02	pCi/m3	U
1104	600035003	9/5/2022	Barium-140	7.04E-03	2.17E-02	7.38E-02	pCi/m3	U
1104	600037003	10/3/2022	Barium-140	3.24E-03	5.43E-03	1.83E-02	pCi/m3	U
1104	606085003	10/31/2022	Barium-140	-2.38E-02	2.05E-02	5.95E-02	pCi/m3	U
1104	606539003	11/28/2022	Barium-140	1.14E-03	6.23E-03	2.08E-02	pCi/m3	U
1104	609493003	12/26/2022	Barium-140	2.02E-04	7.36E-03	2.43E-02	pCi/m3	U
1104	571510002	1/24/2022	Beryllium-7	1.09E-01	7.97E-03	8.20E-03	pCi/m3	U
1104	574141003	2/21/2022	Beryllium-7	1.51E-01	8.67E-03	7.28E-03	pCi/m3	U
1104	578170002	3/21/2022	Beryllium-7	1.15E-01	8.80E-03	9.00E-03	pCi/m3	U
1104	582160003	4/18/2022	Beryllium-7	1.56E-01	1.05E-02	1.03E-02	pCi/m3	U
1104	585159003	5/16/2022	Beryllium-7	1.22E-01	1.12E-02	1.27E-02	pCi/m3	U
1104	587304003	6/13/2022	Beryllium-7	1.17E-01	8.93E-03	7.54E-03	pCi/m3	U
1104	592750003	7/11/2022	Beryllium-7	1.39E-01	1.09E-02	1.20E-02	pCi/m3	U
1104	592751003	8/8/2022	Beryllium-7	9.81E-02	6.99E-03	7.71E-03	pCi/m3	U
1104	600035003	9/5/2022	Beryllium-7	1.07E-01	1.01E-02	1.16E-02	pCi/m3	U
1104	600037003	10/3/2022	Beryllium-7	9.35E-02	6.49E-03	7.67E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	606085003	10/31/2022	Beryllium-7	1.08E-01	1.11E-02	1.12E-02	pCi/m3	
1104	606539003	11/28/2022	Beryllium-7	9.24E-02	7.20E-03	8.89E-03	pCi/m3	
1104	609493003	12/26/2022	Beryllium-7	8.60E-02	8.38E-03	1.09E-02	pCi/m3	
1104	566163005	1/3/2022	BETA	2.44E-02	1.52E-03	1.75E-03	pCi/m3	
1104	566828005	1/10/2022	BETA	4.82E-02	2.07E-03	1.65E-03	pCi/m3	
1104	567642007	1/18/2022	BETA	4.77E-02	1.81E-03	1.25E-03	pCi/m3	
1104	568219003	1/24/2022	BETA	4.43E-02	2.15E-03	1.93E-03	pCi/m3	
1104	568939005	1/31/2022	BETA	5.25E-02	2.21E-03	1.73E-03	pCi/m3	
1104	569538013	2/7/2022	BETA	3.75E-02	1.75E-03	1.40E-03	pCi/m3	
1104	570263005	2/14/2022	BETA	4.85E-02	2.03E-03	1.47E-03	pCi/m3	
1104	571003005	2/21/2022	BETA	4.08E-02	1.88E-03	1.47E-03	pCi/m3	
1104	571635005	2/28/2022	BETA	3.03E-02	1.65E-03	1.56E-03	pCi/m3	
1104	572313005	3/7/2022	BETA	5.07E-02	2.02E-03	1.49E-03	pCi/m3	
1104	573042007	3/14/2022	BETA	3.33E-02	1.71E-03	1.52E-03	pCi/m3	
1104	573808003	3/21/2022	BETA	2.53E-02	1.51E-03	1.50E-03	pCi/m3	
1104	574541007	3/28/2022	BETA	2.68E-02	1.55E-03	1.50E-03	pCi/m3	
1104	575128005	4/4/2022	BETA	3.10E-02	1.65E-03	1.53E-03	pCi/m3	
1104	576089005	4/11/2022	BETA	2.56E-02	1.49E-03	1.48E-03	pCi/m3	
1104	576842005	4/18/2022	BETA	2.90E-02	1.62E-03	1.59E-03	pCi/m3	
1104	577600005	4/25/2022	BETA	3.92E-02	1.87E-03	1.55E-03	pCi/m3	
1104	578408005	5/3/2022	BETA	3.87E-02	1.77E-03	1.53E-03	pCi/m3	
1104	579260007	5/9/2022	BETA	2.79E-02	1.79E-03	1.93E-03	pCi/m3	
1104	580039005	5/16/2022	BETA	3.90E-02	1.90E-03	1.60E-03	pCi/m3	
1104	580690005	5/23/2022	BETA	3.29E-02	1.69E-03	1.56E-03	pCi/m3	
1104	581375005	5/30/2022	BETA	3.07E-02	1.63E-03	1.56E-03	pCi/m3	
1104	581944009	6/6/2022	BETA	3.09E-02	1.49E-03	1.45E-03	pCi/m3	
1104	582792005	6/13/2022	BETA	3.23E-02	1.60E-03	1.40E-03	pCi/m3	
1104	583523007	6/20/2022	BETA	3.79E-02	1.63E-03	1.28E-03	pCi/m3	
1104	584133005	6/27/2022	BETA	3.79E-02	1.59E-03	1.23E-03	pCi/m3	
1104	584820005	7/4/2022	BETA	1.99E-02	1.12E-03	1.08E-03	pCi/m3	
1104	585556005	7/11/2022	BETA	2.38E-02	1.30E-03	1.42E-03	pCi/m3	
1104	586336005	7/18/2022	BETA	3.63E-02	1.56E-03	1.39E-03	pCi/m3	
1104	587158005	7/25/2022	BETA	2.93E-02	1.40E-03	1.20E-03	pCi/m3	
1104	587887005	8/1/2022	BETA	1.91E-02	1.17E-03	1.38E-03	pCi/m3	
1104	588821007	8/8/2022	BETA	1.94E-02	1.15E-03	1.21E-03	pCi/m3	
1104	589631005	8/15/2022	BETA	2.93E-02	1.43E-03	1.23E-03	pCi/m3	
1104	590529005	8/22/2022	BETA	4.88E-02	1.79E-03	1.22E-03	pCi/m3	
1104	590546007	8/29/2022	BETA	2.12E-02	1.14E-03	1.04E-03	pCi/m3	
1104	592023005	9/5/2022	BETA	2.83E-02	1.38E-03	1.16E-03	pCi/m3	
1104	592701005	9/12/2022	BETA	2.97E-02	1.45E-03	1.19E-03	pCi/m3	
1104	593604007	9/19/2022	BETA	4.14E-02	1.60E-03	1.09E-03	pCi/m3	
1104	594422005	9/26/2022	BETA	4.67E-02	1.74E-03	1.15E-03	pCi/m3	
1104	594990005	10/3/2022	BETA	2.86E-02	1.35E-03	1.09E-03	pCi/m3	
1104	596158005	10/10/2022	BETA	4.77E-02	1.74E-03	1.14E-03	pCi/m3	
1104	597076005	10/17/2022	BETA	4.59E-02	1.71E-03	1.14E-03	pCi/m3	
1104	597935005	10/24/2022	BETA	4.11E-02	1.67E-03	1.19E-03	pCi/m3	

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	598808005	10/31/2022	BETA	2.80E-02	1.33E-03	1.09E-03	pCi/m3	
1104	599716005	11/7/2022	BETA	4.96E-02	1.77E-03	1.13E-03	pCi/m3	
1104	600681005	11/14/2022	BETA	3.41E-02	1.50E-03	1.15E-03	pCi/m3	
1104	601449005	11/21/2022	BETA	4.43E-02	1.69E-03	1.15E-03	pCi/m3	
1104	602125007	11/28/2022	BETA	4.48E-02	1.69E-03	1.11E-03	pCi/m3	
1104	602823011	12/5/2022	BETA	4.58E-02	1.77E-03	1.32E-03	pCi/m3	
1104	603758005	12/12/2022	BETA	2.60E-02	1.28E-03	1.11E-03	pCi/m3	
1104	604618005	12/19/2022	BETA	3.62E-02	1.48E-03	1.05E-03	pCi/m3	
1104	605325005	12/26/2022	BETA	3.83E-02	1.62E-03	1.19E-03	pCi/m3	
1104	571510002	1/24/2022	Bismuth-214	1.28E-03	9.77E-04	2.54E-03	pCi/m3	U
1104	574141003	2/21/2022	Bismuth-214	1.52E-04	6.40E-04	1.85E-03	pCi/m3	U
1104	578170002	3/21/2022	Bismuth-214	-4.95E-06	6.11E-04	1.97E-03	pCi/m3	U
1104	582160003	4/18/2022	Bismuth-214	4.94E-04	9.05E-04	2.05E-03	pCi/m3	U
1104	585159003	5/16/2022	Bismuth-214	3.35E-04	5.11E-04	1.73E-03	pCi/m3	U
1104	587304003	6/13/2022	Bismuth-214	9.90E-04	5.40E-04	1.84E-03	pCi/m3	U
1104	592750003	7/11/2022	Bismuth-214	8.66E-04	8.38E-04	1.32E-03	pCi/m3	U
1104	592751003	8/8/2022	Bismuth-214	1.48E-03	7.88E-04	1.93E-03	pCi/m3	U
1104	600035003	9/5/2022	Bismuth-214	6.37E-04	7.54E-04	1.96E-03	pCi/m3	U
1104	600037003	10/3/2022	Bismuth-214	1.42E-03	5.58E-04	2.16E-03	pCi/m3	U
1104	606085003	10/31/2022	Bismuth-214	-7.14E-04	5.39E-04	1.71E-03	pCi/m3	U
1104	606539003	11/28/2022	Bismuth-214	1.24E-03	8.21E-04	1.79E-03	pCi/m3	U
1104	609493003	12/26/2022	Bismuth-214	2.88E-04	5.99E-04	2.04E-03	pCi/m3	U
1104	571510002	1/24/2022	Cerium-141	-5.72E-04	6.41E-04	1.73E-03	pCi/m3	U
1104	574141003	2/21/2022	Cerium-141	-9.22E-04	4.30E-04	1.24E-03	pCi/m3	U
1104	578170002	3/21/2022	Cerium-141	-5.67E-04	4.74E-04	1.50E-03	pCi/m3	U
1104	582160003	4/18/2022	Cerium-141	5.05E-04	8.19E-04	2.60E-03	pCi/m3	U
1104	585159003	5/16/2022	Cerium-141	2.36E-03	1.10E-03	2.18E-03	pCi/m3	UI
1104	587304003	6/13/2022	Cerium-141	-5.36E-04	5.78E-04	1.57E-03	pCi/m3	U
1104	592750003	7/11/2022	Cerium-141	-1.81E-03	1.17E-03	3.10E-03	pCi/m3	U
1104	592751003	8/8/2022	Cerium-141	-7.08E-05	4.65E-04	1.46E-03	pCi/m3	U
1104	600035003	9/5/2022	Cerium-141	-6.67E-04	8.74E-04	2.68E-03	pCi/m3	U
1104	600037003	10/3/2022	Cerium-141	4.30E-04	1.08E-03	1.50E-03	pCi/m3	U
1104	606085003	10/31/2022	Cerium-141	-1.24E-03	8.87E-04	2.40E-03	pCi/m3	U
1104	606539003	11/28/2022	Cerium-141	-4.98E-04	5.57E-04	1.74E-03	pCi/m3	U
1104	609493003	12/26/2022	Cerium-141	-6.34E-04	6.64E-04	1.97E-03	pCi/m3	U
1104	571510002	1/24/2022	Cerium-144	1.44E-04	1.14E-03	3.61E-03	pCi/m3	U
1104	574141003	2/21/2022	Cerium-144	-1.90E-04	9.39E-04	3.10E-03	pCi/m3	U
1104	578170002	3/21/2022	Cerium-144	-3.11E-04	9.60E-04	3.18E-03	pCi/m3	U
1104	582160003	4/18/2022	Cerium-144	8.41E-04	1.04E-03	3.49E-03	pCi/m3	U
1104	585159003	5/16/2022	Cerium-144	-5.71E-04	1.02E-03	3.17E-03	pCi/m3	U
1104	587304003	6/13/2022	Cerium-144	-2.24E-04	9.28E-04	2.95E-03	pCi/m3	U
1104	592750003	7/11/2022	Cerium-144	-1.11E-03	1.14E-03	3.38E-03	pCi/m3	U
1104	592751003	8/8/2022	Cerium-144	1.36E-04	9.56E-04	2.82E-03	pCi/m3	U
1104	600035003	9/5/2022	Cerium-144	-4.63E-04	1.17E-03	3.37E-03	pCi/m3	U
1104	600037003	10/3/2022	Cerium-144	8.71E-04	1.06E-03	3.64E-03	pCi/m3	U
1104	606085003	10/31/2022	Cerium-144	7.43E-04	9.02E-04	3.02E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	606539003	11/28/2022	Cerium-144	-7.99E-04	8.72E-04	2.71E-03	pCi/m3	U
1104	609493003	12/26/2022	Cerium-144	1.43E-03	1.01E-03	3.47E-03	pCi/m3	U
1104	571510002	1/24/2022	Cesium-134	1.15E-04	2.82E-04	9.36E-04	pCi/m3	U
1104	574141003	2/21/2022	Cesium-134	-1.39E-04	2.82E-04	8.97E-04	pCi/m3	U
1104	578170002	3/21/2022	Cesium-134	-5.13E-05	2.75E-04	8.90E-04	pCi/m3	U
1104	582160003	4/18/2022	Cesium-134	-6.69E-05	2.30E-04	7.10E-04	pCi/m3	U
1104	585159003	5/16/2022	Cesium-134	-4.71E-05	3.46E-04	1.16E-03	pCi/m3	U
1104	587304003	6/13/2022	Cesium-134	-1.79E-04	2.47E-04	7.36E-04	pCi/m3	U
1104	592750003	7/11/2022	Cesium-134	1.40E-04	2.53E-04	8.41E-04	pCi/m3	U
1104	592751003	8/8/2022	Cesium-134	-1.78E-04	2.50E-04	8.04E-04	pCi/m3	U
1104	600035003	9/5/2022	Cesium-134	1.60E-04	1.88E-04	6.69E-04	pCi/m3	U
1104	600037003	10/3/2022	Cesium-134	3.58E-04	3.04E-04	1.12E-03	pCi/m3	U
1104	606085003	10/31/2022	Cesium-134	2.80E-04	2.19E-04	7.89E-04	pCi/m3	U
1104	606539003	11/28/2022	Cesium-134	-2.93E-04	2.46E-04	6.79E-04	pCi/m3	U
1104	609493003	12/26/2022	Cesium-134	4.41E-05	2.53E-04	8.28E-04	pCi/m3	U
1104	571510002	1/24/2022	Cesium-137	5.25E-04	2.33E-04	9.08E-04	pCi/m3	U
1104	574141003	2/21/2022	Cesium-137	-1.48E-04	3.09E-04	8.24E-04	pCi/m3	U
1104	578170002	3/21/2022	Cesium-137	-1.44E-04	2.38E-04	7.57E-04	pCi/m3	U
1104	582160003	4/18/2022	Cesium-137	-4.92E-05	2.48E-04	7.25E-04	pCi/m3	U
1104	585159003	5/16/2022	Cesium-137	6.43E-05	2.99E-04	9.79E-04	pCi/m3	U
1104	587304003	6/13/2022	Cesium-137	-6.19E-05	2.42E-04	7.16E-04	pCi/m3	U
1104	592750003	7/11/2022	Cesium-137	-6.21E-04	2.52E-04	6.43E-04	pCi/m3	U
1104	592751003	8/8/2022	Cesium-137	-2.96E-04	2.28E-04	6.45E-04	pCi/m3	U
1104	600035003	9/5/2022	Cesium-137	-2.21E-04	1.94E-04	5.62E-04	pCi/m3	U
1104	600037003	10/3/2022	Cesium-137	4.01E-04	2.35E-04	8.46E-04	pCi/m3	U
1104	606085003	10/31/2022	Cesium-137	2.50E-04	2.65E-04	6.54E-04	pCi/m3	U
1104	606539003	11/28/2022	Cesium-137	-7.23E-06	2.65E-04	8.87E-04	pCi/m3	U
1104	609493003	12/26/2022	Cesium-137	-1.77E-04	2.17E-04	6.36E-04	pCi/m3	U
1104	571510002	1/24/2022	Chromium-51	-4.13E-03	4.11E-03	1.30E-02	pCi/m3	U
1104	574141003	2/21/2022	Chromium-51	-1.38E-03	3.36E-03	1.12E-02	pCi/m3	U
1104	578170002	3/21/2022	Chromium-51	-1.71E-03	4.37E-03	1.38E-02	pCi/m3	U
1104	582160003	4/18/2022	Chromium-51	1.20E-02	6.73E-03	2.51E-02	pCi/m3	U
1104	585159003	5/16/2022	Chromium-51	5.63E-03	5.46E-03	1.97E-02	pCi/m3	U
1104	587304003	6/13/2022	Chromium-51	-1.61E-03	3.47E-03	1.15E-02	pCi/m3	U
1104	592750003	7/11/2022	Chromium-51	1.94E-02	9.46E-03	2.53E-02	pCi/m3	U
1104	592751003	8/8/2022	Chromium-51	-6.47E-03	3.97E-03	1.21E-02	pCi/m3	U
1104	600035003	9/5/2022	Chromium-51	-8.82E-03	7.02E-03	2.23E-02	pCi/m3	U
1104	600037003	10/3/2022	Chromium-51	3.93E-03	3.74E-03	1.29E-02	pCi/m3	U
1104	606085003	10/31/2022	Chromium-51	4.36E-03	6.40E-03	2.25E-02	pCi/m3	U
1104	606539003	11/28/2022	Chromium-51	-5.54E-03	3.74E-03	1.17E-02	pCi/m3	U
1104	609493003	12/26/2022	Chromium-51	-1.26E-04	4.38E-03	1.48E-02	pCi/m3	U
1104	571510002	1/24/2022	Cobalt-57	-1.35E-04	1.55E-04	4.64E-04	pCi/m3	U
1104	574141003	2/21/2022	Cobalt-57	7.63E-05	1.17E-04	4.07E-04	pCi/m3	U
1104	578170002	3/21/2022	Cobalt-57	1.33E-05	1.18E-04	4.00E-04	pCi/m3	U
1104	582160003	4/18/2022	Cobalt-57	-1.46E-04	1.29E-04	3.85E-04	pCi/m3	U
1104	585159003	5/16/2022	Cobalt-57	-2.14E-04	1.54E-04	4.13E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	587304003	6/13/2022	Cobalt-57	2.44E-05	1.10E-04	3.62E-04	pCi/m3	U
1104	592750003	7/11/2022	Cobalt-57	2.56E-04	1.39E-04	5.54E-04	pCi/m3	U
1104	592751003	8/8/2022	Cobalt-57	4.37E-05	1.11E-04	3.61E-04	pCi/m3	U
1104	600035003	9/5/2022	Cobalt-57	9.05E-05	1.33E-04	4.44E-04	pCi/m3	U
1104	600037003	10/3/2022	Cobalt-57	1.61E-04	2.77E-04	5.36E-04	pCi/m3	U
1104	606085003	10/31/2022	Cobalt-57	3.17E-04	1.22E-04	4.41E-04	pCi/m3	U
1104	606539003	11/28/2022	Cobalt-57	-4.86E-05	1.11E-04	3.58E-04	pCi/m3	U
1104	609493003	12/26/2022	Cobalt-57	8.57E-05	1.01E-04	3.43E-04	pCi/m3	U
1104	571510002	1/24/2022	Cobalt-58	1.54E-04	3.80E-04	1.25E-03	pCi/m3	U
1104	574141003	2/21/2022	Cobalt-58	3.94E-04	2.50E-04	9.54E-04	pCi/m3	U
1104	578170002	3/21/2022	Cobalt-58	1.70E-04	3.34E-04	1.14E-03	pCi/m3	U
1104	582160003	4/18/2022	Cobalt-58	-3.91E-04	4.15E-04	1.18E-03	pCi/m3	U
1104	585159003	5/16/2022	Cobalt-58	-2.28E-04	4.01E-04	1.29E-03	pCi/m3	U
1104	587304003	6/13/2022	Cobalt-58	4.53E-05	2.82E-04	9.27E-04	pCi/m3	U
1104	592750003	7/11/2022	Cobalt-58	-1.02E-05	4.19E-04	1.41E-03	pCi/m3	U
1104	592751003	8/8/2022	Cobalt-58	1.80E-04	3.33E-04	1.06E-03	pCi/m3	U
1104	600035003	9/5/2022	Cobalt-58	4.06E-05	3.79E-04	1.23E-03	pCi/m3	U
1104	600037003	10/3/2022	Cobalt-58	-4.50E-04	3.22E-04	9.32E-04	pCi/m3	U
1104	606085003	10/31/2022	Cobalt-58	2.28E-04	3.61E-04	1.22E-03	pCi/m3	U
1104	606539003	11/28/2022	Cobalt-58	-5.74E-05	3.26E-04	1.02E-03	pCi/m3	U
1104	609493003	12/26/2022	Cobalt-58	-5.07E-04	3.23E-04	8.03E-04	pCi/m3	U
1104	571510002	1/24/2022	Cobalt-60	-3.83E-04	2.56E-04	6.26E-04	pCi/m3	U
1104	574141003	2/21/2022	Cobalt-60	-2.37E-04	2.14E-04	5.72E-04	pCi/m3	U
1104	578170002	3/21/2022	Cobalt-60	-4.26E-04	3.32E-04	8.58E-04	pCi/m3	U
1104	582160003	4/18/2022	Cobalt-60	-3.58E-04	2.52E-04	6.37E-04	pCi/m3	U
1104	585159003	5/16/2022	Cobalt-60	-2.57E-04	2.46E-04	6.25E-04	pCi/m3	U
1104	587304003	6/13/2022	Cobalt-60	1.77E-04	2.29E-04	8.41E-04	pCi/m3	U
1104	592750003	7/11/2022	Cobalt-60	3.51E-04	2.92E-04	1.07E-03	pCi/m3	U
1104	592751003	8/8/2022	Cobalt-60	-7.56E-05	2.31E-04	7.20E-04	pCi/m3	U
1104	600035003	9/5/2022	Cobalt-60	6.16E-05	2.19E-04	7.60E-04	pCi/m3	U
1104	600037003	10/3/2022	Cobalt-60	-5.75E-04	3.24E-04	8.28E-04	pCi/m3	U
1104	606085003	10/31/2022	Cobalt-60	2.65E-04	2.55E-04	9.33E-04	pCi/m3	U
1104	606539003	11/28/2022	Cobalt-60	-4.58E-05	1.98E-04	5.97E-04	pCi/m3	U
1104	609493003	12/26/2022	Cobalt-60	-2.10E-04	2.34E-04	6.56E-04	pCi/m3	U
1104	571510002	1/24/2022	Iron-59	-2.58E-04	8.49E-04	2.36E-03	pCi/m3	U
1104	574141003	2/21/2022	Iron-59	-1.67E-04	8.86E-04	2.83E-03	pCi/m3	U
1104	578170002	3/21/2022	Iron-59	-1.42E-03	7.93E-04	1.93E-03	pCi/m3	U
1104	582160003	4/18/2022	Iron-59	9.43E-04	1.10E-03	4.06E-03	pCi/m3	U
1104	585159003	5/16/2022	Iron-59	1.11E-03	1.04E-03	3.92E-03	pCi/m3	U
1104	587304003	6/13/2022	Iron-59	-1.05E-03	7.81E-04	2.22E-03	pCi/m3	U
1104	592750003	7/11/2022	Iron-59	-7.35E-04	1.32E-03	4.11E-03	pCi/m3	U
1104	592751003	8/8/2022	Iron-59	-7.54E-04	8.93E-04	2.72E-03	pCi/m3	U
1104	600035003	9/5/2022	Iron-59	-2.38E-03	1.07E-03	2.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Iron-59	-3.78E-04	6.91E-04	2.12E-03	pCi/m3	U
1104	606085003	10/31/2022	Iron-59	-1.62E-03	1.06E-03	2.88E-03	pCi/m3	U
1104	606539003	11/28/2022	Iron-59	3.33E-04	7.58E-04	2.65E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	609493003	12/26/2022	Iron-59	1.96E-04	8.25E-04	2.87E-03	pCi/m3	U
1104	571510002	1/24/2022	Lanthanum-140	-3.44E-03	2.62E-03	6.68E-03	pCi/m3	U
1104	574141003	2/21/2022	Lanthanum-140	-2.27E-03	1.99E-03	5.33E-03	pCi/m3	U
1104	578170002	3/21/2022	Lanthanum-140	-1.83E-03	1.71E-03	4.39E-03	pCi/m3	U
1104	582160003	4/18/2022	Lanthanum-140	-2.19E-02	9.11E-03	1.83E-02	pCi/m3	U
1104	585159003	5/16/2022	Lanthanum-140	-1.08E-03	6.12E-03	1.90E-02	pCi/m3	U
1104	587304003	6/13/2022	Lanthanum-140	-2.44E-03	2.52E-03	6.65E-03	pCi/m3	U
1104	592750003	7/11/2022	Lanthanum-140	6.72E-03	1.31E-02	4.56E-02	pCi/m3	U
1104	592751003	8/8/2022	Lanthanum-140	2.37E-03	3.37E-03	1.18E-02	pCi/m3	U
1104	600035003	9/5/2022	Lanthanum-140	-1.14E-02	1.14E-02	2.57E-02	pCi/m3	U
1104	600037003	10/3/2022	Lanthanum-140	1.93E-03	2.28E-03	8.33E-03	pCi/m3	U
1104	606085003	10/31/2022	Lanthanum-140	1.22E-02	1.07E-02	3.95E-02	pCi/m3	U
1104	606539003	11/28/2022	Lanthanum-140	-5.64E-03	4.05E-03	1.06E-02	pCi/m3	U
1104	609493003	12/26/2022	Lanthanum-140	-3.30E-03	3.56E-03	9.91E-03	pCi/m3	U
1104	571510002	1/24/2022	Lead-210	2.08E-02	4.37E-02	1.46E-01	pCi/m3	U
1104	574141003	2/21/2022	Lead-210	2.45E-02	3.70E-02	1.17E-01	pCi/m3	U
1104	578170002	3/21/2022	Lead-210	2.89E-02	1.79E-02	2.49E-02	pCi/m3	UI
1104	582160003	4/18/2022	Lead-210	-7.56E-04	2.27E-02	7.12E-02	pCi/m3	U
1104	585159003	5/16/2022	Lead-210	-1.36E-02	2.99E-02	8.80E-02	pCi/m3	U
1104	587304003	6/13/2022	Lead-210	1.96E-02	2.17E-02	3.49E-02	pCi/m3	U
1104	592750003	7/11/2022	Lead-210	2.52E-02	3.73E-02	1.29E-01	pCi/m3	U
1104	592751003	8/8/2022	Lead-210	2.37E-03	1.06E-02	1.85E-02	pCi/m3	U
1104	600035003	9/5/2022	Lead-210	3.27E-02	3.37E-02	6.08E-02	pCi/m3	U
1104	600037003	10/3/2022	Lead-210	-1.05E-01	3.94E-02	1.09E-01	pCi/m3	U
1104	606085003	10/31/2022	Lead-210	1.07E-02	1.32E-02	2.04E-02	pCi/m3	U
1104	606539003	11/28/2022	Lead-210	6.42E-02	2.90E-02	3.42E-02	pCi/m3	UI
1104	609493003	12/26/2022	Lead-210	2.69E-02	4.85E-03	6.10E-03	pCi/m3	U
1104	571510002	1/24/2022	Lead-212	1.93E-04	7.11E-04	1.68E-03	pCi/m3	U
1104	574141003	2/21/2022	Lead-212	1.13E-03	5.84E-04	1.49E-03	pCi/m3	U
1104	578170002	3/21/2022	Lead-212	4.02E-04	4.39E-04	1.34E-03	pCi/m3	U
1104	582160003	4/18/2022	Lead-212	-2.25E-04	4.77E-04	1.67E-03	pCi/m3	U
1104	585159003	5/16/2022	Lead-212	2.26E-03	7.34E-04	1.42E-03	pCi/m3	UI
1104	587304003	6/13/2022	Lead-212	4.33E-04	5.92E-04	1.36E-03	pCi/m3	U
1104	592750003	7/11/2022	Lead-212	8.01E-05	4.20E-04	9.07E-04	pCi/m3	U
1104	592751003	8/8/2022	Lead-212	-3.77E-04	3.70E-04	1.09E-03	pCi/m3	U
1104	600035003	9/5/2022	Lead-212	2.03E-05	5.52E-04	1.26E-03	pCi/m3	U
1104	600037003	10/3/2022	Lead-212	4.43E-04	6.15E-04	1.24E-03	pCi/m3	U
1104	606085003	10/31/2022	Lead-212	-6.54E-05	3.32E-04	1.07E-03	pCi/m3	U
1104	606539003	11/28/2022	Lead-212	1.27E-03	6.95E-04	1.47E-03	pCi/m3	U
1104	609493003	12/26/2022	Lead-212	4.84E-04	6.54E-04	1.02E-03	pCi/m3	U
1104	571510002	1/24/2022	Lead-214	2.67E-03	1.00E-03	1.96E-03	pCi/m3	UI
1104	574141003	2/21/2022	Lead-214	-4.09E-04	6.02E-04	1.80E-03	pCi/m3	U
1104	578170002	3/21/2022	Lead-214	4.21E-04	7.14E-04	1.80E-03	pCi/m3	U
1104	582160003	4/18/2022	Lead-214	1.16E-03	6.04E-04	1.77E-03	pCi/m3	U
1104	585159003	5/16/2022	Lead-214	3.12E-03	1.08E-03	1.88E-03	pCi/m3	UI
1104	587304003	6/13/2022	Lead-214	9.09E-04	3.94E-04	1.50E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	592750003	7/11/2022	Lead-214	1.34E-03	8.03E-04	1.35E-03	pCi/m3	U
1104	592751003	8/8/2022	Lead-214	-4.53E-04	4.61E-04	1.41E-03	pCi/m3	U
1104	600035003	9/5/2022	Lead-214	2.68E-04	4.97E-04	1.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Lead-214	5.06E-04	7.55E-04	1.58E-03	pCi/m3	U
1104	606085003	10/31/2022	Lead-214	-1.82E-04	4.35E-04	1.40E-03	pCi/m3	U
1104	606539003	11/28/2022	Lead-214	2.65E-03	6.90E-04	1.87E-03	pCi/m3	UI
1104	609493003	12/26/2022	Lead-214	7.47E-04	5.38E-04	1.85E-03	pCi/m3	U
1104	571510002	1/24/2022	Manganese-54	-5.27E-05	2.89E-04	9.00E-04	pCi/m3	U
1104	574141003	2/21/2022	Manganese-54	4.43E-04	2.52E-04	9.88E-04	pCi/m3	U
1104	578170002	3/21/2022	Manganese-54	1.60E-04	2.66E-04	9.11E-04	pCi/m3	U
1104	582160003	4/18/2022	Manganese-54	-1.08E-04	2.50E-04	7.56E-04	pCi/m3	U
1104	585159003	5/16/2022	Manganese-54	1.97E-04	2.64E-04	9.58E-04	pCi/m3	U
1104	587304003	6/13/2022	Manganese-54	-4.55E-05	2.30E-04	7.26E-04	pCi/m3	U
1104	592750003	7/11/2022	Manganese-54	-2.78E-04	2.71E-04	7.65E-04	pCi/m3	U
1104	592751003	8/8/2022	Manganese-54	1.31E-04	2.14E-04	7.59E-04	pCi/m3	U
1104	600035003	9/5/2022	Manganese-54	-1.14E-04	2.52E-04	7.72E-04	pCi/m3	U
1104	600037003	10/3/2022	Manganese-54	-2.37E-04	2.68E-04	8.28E-04	pCi/m3	U
1104	606085003	10/31/2022	Manganese-54	3.14E-04	3.38E-04	7.65E-04	pCi/m3	U
1104	606539003	11/28/2022	Manganese-54	-1.41E-04	2.31E-04	6.83E-04	pCi/m3	U
1104	609493003	12/26/2022	Manganese-54	2.25E-04	2.48E-04	8.78E-04	pCi/m3	U
1104	571510002	1/24/2022	Molybdenum-99	2.31E+01	2.93E+01	0.00E+00	pCi/m3	UI
1104	574141003	2/21/2022	Molybdenum-99	-3.58E+00	1.00E+01	0.00E+00	pCi/m3	U
1104	578170002	3/21/2022	Molybdenum-99	-1.01E+00	4.00E+01	0.00E+00	pCi/m3	U
1104	582160003	4/18/2022	Molybdenum-99	7.25E+03	6.01E+03	0.00E+00	pCi/m3	UI
1104	585159003	5/16/2022	Molybdenum-99	5.41E+02	9.80E+02	0.00E+00	pCi/m3	UI
1104	587304003	6/13/2022	Molybdenum-99	-1.08E+02	1.32E+02	0.00E+00	pCi/m3	U
1104	592750003	7/11/2022	Molybdenum-99	2.28E+04	1.37E+05	0.00E+00	pCi/m3	UI
1104	592751003	8/8/2022	Molybdenum-99	-5.98E+01	1.11E+02	0.00E+00	pCi/m3	U
1104	600035003	9/5/2022	Molybdenum-99	3.19E+04	2.93E+04	0.00E+00	pCi/m3	UI
1104	600037003	10/3/2022	Molybdenum-99	1.37E+01	1.95E+01	0.00E+00	pCi/m3	UI
1104	606085003	10/31/2022	Molybdenum-99	1.95E+04	3.25E+04	0.00E+00	pCi/m3	UI
1104	606539003	11/28/2022	Molybdenum-99	-1.81E+02	1.21E+02	0.00E+00	pCi/m3	U
1104	609493003	12/26/2022	Molybdenum-99	-1.11E+02	1.05E+02	0.00E+00	pCi/m3	U
1104	571510002	1/24/2022	Niobium-95	6.97E-04	4.69E-04	1.06E-03	pCi/m3	U
1104	574141003	2/21/2022	Niobium-95	1.89E-04	3.60E-04	1.27E-03	pCi/m3	U
1104	578170002	3/21/2022	Niobium-95	-9.37E-05	3.47E-04	1.12E-03	pCi/m3	U
1104	582160003	4/18/2022	Niobium-95	-2.68E-04	5.09E-04	9.75E-04	pCi/m3	U
1104	585159003	5/16/2022	Niobium-95	3.37E-04	4.33E-04	1.49E-03	pCi/m3	U
1104	587304003	6/13/2022	Niobium-95	-5.91E-04	2.96E-04	7.73E-04	pCi/m3	U
1104	592750003	7/11/2022	Niobium-95	-5.86E-04	4.42E-04	1.27E-03	pCi/m3	U
1104	592751003	8/8/2022	Niobium-95	-2.57E-04	3.51E-04	1.04E-03	pCi/m3	U
1104	600035003	9/5/2022	Niobium-95	5.29E-04	4.21E-04	1.51E-03	pCi/m3	U
1104	600037003	10/3/2022	Niobium-95	-2.98E-05	3.64E-04	1.11E-03	pCi/m3	U
1104	606085003	10/31/2022	Niobium-95	-2.60E-04	4.05E-04	1.21E-03	pCi/m3	U
1104	606539003	11/28/2022	Niobium-95	1.92E-04	3.40E-04	1.04E-03	pCi/m3	U
1104	609493003	12/26/2022	Niobium-95	4.91E-04	2.87E-04	1.08E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	571510002	1/24/2022	Potassium-40	1.49E-02	6.72E-03	9.25E-03	pCi/m3	UI
1104	574141003	2/21/2022	Potassium-40	1.14E-02	4.83E-03	1.24E-02	pCi/m3	U
1104	578170002	3/21/2022	Potassium-40	2.01E-02	5.30E-03	9.15E-03	pCi/m3	
1104	582160003	4/18/2022	Potassium-40	7.37E-03	4.51E-03	6.22E-03	pCi/m3	UI
1104	585159003	5/16/2022	Potassium-40	7.71E-04	3.65E-03	1.34E-02	pCi/m3	U
1104	587304003	6/13/2022	Potassium-40	-1.58E-03	4.17E-03	1.46E-02	pCi/m3	U
1104	592750003	7/11/2022	Potassium-40	2.07E-02	5.43E-03	9.35E-03	pCi/m3	UI
1104	592751003	8/8/2022	Potassium-40	1.07E-02	4.57E-03	4.87E-03	pCi/m3	UI
1104	600035003	9/5/2022	Potassium-40	1.20E-02	5.59E-03	5.16E-03	pCi/m3	UI
1104	600037003	10/3/2022	Potassium-40	7.71E-03	4.34E-03	8.61E-03	pCi/m3	U
1104	606085003	10/31/2022	Potassium-40	9.65E-03	3.98E-03	8.34E-03	pCi/m3	UI
1104	606539003	11/28/2022	Potassium-40	1.03E-02	4.41E-03	5.36E-03	pCi/m3	UI
1104	609493003	12/26/2022	Potassium-40	-1.38E-03	4.50E-03	1.61E-02	pCi/m3	U
1104	571510002	1/24/2022	Radium-226	1.28E-03	9.77E-04	2.54E-03	pCi/m3	U
1104	574141003	2/21/2022	Radium-226	1.52E-04	6.40E-04	1.85E-03	pCi/m3	U
1104	578170002	3/21/2022	Radium-226	-4.95E-06	6.11E-04	1.97E-03	pCi/m3	U
1104	582160003	4/18/2022	Radium-226	4.94E-04	9.05E-04	2.05E-03	pCi/m3	U
1104	585159003	5/16/2022	Radium-226	3.35E-04	5.11E-04	1.73E-03	pCi/m3	U
1104	587304003	6/13/2022	Radium-226	9.90E-04	5.40E-04	1.84E-03	pCi/m3	U
1104	592750003	7/11/2022	Radium-226	8.66E-04	8.38E-04	1.32E-03	pCi/m3	U
1104	592751003	8/8/2022	Radium-226	1.48E-03	7.88E-04	1.93E-03	pCi/m3	U
1104	600035003	9/5/2022	Radium-226	2.68E-04	4.97E-04	1.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Radium-226	5.06E-04	7.55E-04	1.58E-03	pCi/m3	U
1104	606085003	10/31/2022	Radium-226	-1.82E-04	4.35E-04	1.40E-03	pCi/m3	U
1104	606539003	11/28/2022	Radium-226	2.65E-03	6.90E-04	1.87E-03	pCi/m3	UI
1104	609493003	12/26/2022	Radium-226	7.47E-04	5.38E-04	1.85E-03	pCi/m3	U
1104	571510002	1/24/2022	Radium-228	6.12E-04	1.67E-03	4.21E-03	pCi/m3	U
1104	574141003	2/21/2022	Radium-228	1.22E-03	1.13E-03	4.13E-03	pCi/m3	U
1104	578170002	3/21/2022	Radium-228	-5.65E-04	1.18E-03	3.88E-03	pCi/m3	U
1104	582160003	4/18/2022	Radium-228	-5.60E-04	1.12E-03	3.59E-03	pCi/m3	U
1104	585159003	5/16/2022	Radium-228	5.28E-03	1.54E-03	5.20E-03	pCi/m3	UI
1104	587304003	6/13/2022	Radium-228	6.50E-04	1.52E-03	4.10E-03	pCi/m3	U
1104	592750003	7/11/2022	Radium-228	2.28E-03	1.70E-03	3.58E-03	pCi/m3	U
1104	592751003	8/8/2022	Radium-228	4.26E-03	1.40E-03	3.61E-03	pCi/m3	UI
1104	600035003	9/5/2022	Radium-228	-2.17E-03	1.08E-03	3.23E-03	pCi/m3	U
1104	600037003	10/3/2022	Radium-228	1.56E-03	1.71E-03	4.05E-03	pCi/m3	U
1104	606085003	10/31/2022	Radium-228	-1.66E-03	9.30E-04	2.88E-03	pCi/m3	U
1104	606539003	11/28/2022	Radium-228	2.63E-03	1.21E-03	3.35E-03	pCi/m3	U
1104	609493003	12/26/2022	Radium-228	1.88E-03	1.15E-03	3.90E-03	pCi/m3	U
1104	571510002	1/24/2022	Ruthenium-103	2.48E-04	3.98E-04	1.37E-03	pCi/m3	U
1104	574141003	2/21/2022	Ruthenium-103	-2.19E-04	3.56E-04	1.11E-03	pCi/m3	U
1104	578170002	3/21/2022	Ruthenium-103	6.84E-05	3.68E-04	1.26E-03	pCi/m3	U
1104	582160003	4/18/2022	Ruthenium-103	7.65E-04	4.51E-04	1.72E-03	pCi/m3	U
1104	585159003	5/16/2022	Ruthenium-103	-2.00E-04	4.40E-04	1.38E-03	pCi/m3	U
1104	587304003	6/13/2022	Ruthenium-103	1.65E-04	3.57E-04	1.23E-03	pCi/m3	U
1104	592750003	7/11/2022	Ruthenium-103	5.00E-05	5.68E-04	1.91E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	592751003	8/8/2022	Ruthenium-103	-1.84E-04	3.65E-04	1.15E-03	pCi/m3	U
1104	600035003	9/5/2022	Ruthenium-103	-6.33E-04	5.90E-04	1.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Ruthenium-103	6.89E-07	3.67E-04	1.17E-03	pCi/m3	U
1104	606085003	10/31/2022	Ruthenium-103	-4.68E-04	5.21E-04	1.59E-03	pCi/m3	U
1104	606539003	11/28/2022	Ruthenium-103	-6.64E-04	3.71E-04	1.05E-03	pCi/m3	U
1104	609493003	12/26/2022	Ruthenium-103	1.13E-04	3.81E-04	1.29E-03	pCi/m3	U
1104	571510002	1/24/2022	Ruthenium-106	-2.62E-04	2.47E-03	7.90E-03	pCi/m3	U
1104	574141003	2/21/2022	Ruthenium-106	-1.90E-03	2.47E-03	7.37E-03	pCi/m3	U
1104	578170002	3/21/2022	Ruthenium-106	1.06E-03	2.25E-03	7.74E-03	pCi/m3	U
1104	582160003	4/18/2022	Ruthenium-106	4.15E-04	1.95E-03	5.88E-03	pCi/m3	U
1104	585159003	5/16/2022	Ruthenium-106	6.34E-04	3.12E-03	1.02E-02	pCi/m3	U
1104	587304003	6/13/2022	Ruthenium-106	2.05E-03	1.63E-03	6.00E-03	pCi/m3	U
1104	592750003	7/11/2022	Ruthenium-106	-1.80E-03	2.19E-03	6.79E-03	pCi/m3	U
1104	592751003	8/8/2022	Ruthenium-106	-6.75E-04	1.73E-03	5.36E-03	pCi/m3	U
1104	600035003	9/5/2022	Ruthenium-106	1.40E-03	1.87E-03	6.52E-03	pCi/m3	U
1104	600037003	10/3/2022	Ruthenium-106	-1.15E-03	2.38E-03	6.74E-03	pCi/m3	U
1104	606085003	10/31/2022	Ruthenium-106	2.35E-03	1.91E-03	6.79E-03	pCi/m3	U
1104	606539003	11/28/2022	Ruthenium-106	4.90E-04	1.70E-03	5.67E-03	pCi/m3	U
1104	609493003	12/26/2022	Ruthenium-106	4.31E-03	2.19E-03	8.39E-03	pCi/m3	U
1104	571510002	1/24/2022	Selenium-75	3.50E-06	2.88E-04	9.74E-04	pCi/m3	U
1104	574141003	2/21/2022	Selenium-75	1.38E-04	3.29E-04	1.06E-03	pCi/m3	U
1104	578170002	3/21/2022	Selenium-75	7.22E-05	3.19E-04	1.05E-03	pCi/m3	U
1104	582160003	4/18/2022	Selenium-75	-9.90E-05	2.80E-04	9.40E-04	pCi/m3	U
1104	585159003	5/16/2022	Selenium-75	-1.29E-04	3.42E-04	1.15E-03	pCi/m3	U
1104	587304003	6/13/2022	Selenium-75	-9.59E-05	2.61E-04	7.88E-04	pCi/m3	U
1104	592750003	7/11/2022	Selenium-75	5.51E-04	3.12E-04	1.11E-03	pCi/m3	U
1104	592751003	8/8/2022	Selenium-75	1.94E-04	2.58E-04	8.30E-04	pCi/m3	U
1104	600035003	9/5/2022	Selenium-75	-1.74E-05	3.38E-04	1.16E-03	pCi/m3	U
1104	600037003	10/3/2022	Selenium-75	-3.13E-05	3.05E-04	9.86E-04	pCi/m3	U
1104	606085003	10/31/2022	Selenium-75	-1.78E-04	2.97E-04	8.91E-04	pCi/m3	U
1104	606539003	11/28/2022	Selenium-75	-2.79E-04	2.68E-04	7.75E-04	pCi/m3	U
1104	609493003	12/26/2022	Selenium-75	3.33E-04	3.03E-04	1.06E-03	pCi/m3	U
1104	571510002	1/24/2022	Silver-108m	7.36E-05	1.79E-04	6.10E-04	pCi/m3	U
1104	574141003	2/21/2022	Silver-108m	-1.89E-04	1.85E-04	5.66E-04	pCi/m3	U
1104	578170002	3/21/2022	Silver-108m	-2.50E-04	1.69E-04	4.70E-04	pCi/m3	U
1104	582160003	4/18/2022	Silver-108m	-1.67E-04	1.66E-04	5.10E-04	pCi/m3	U
1104	585159003	5/16/2022	Silver-108m	4.52E-04	1.87E-04	7.28E-04	pCi/m3	U
1104	587304003	6/13/2022	Silver-108m	-1.18E-04	1.24E-04	3.78E-04	pCi/m3	U
1104	592750003	7/11/2022	Silver-108m	-2.77E-05	1.45E-04	4.86E-04	pCi/m3	U
1104	592751003	8/8/2022	Silver-108m	2.10E-05	1.43E-04	4.75E-04	pCi/m3	U
1104	600035003	9/5/2022	Silver-108m	3.49E-05	1.49E-04	5.08E-04	pCi/m3	U
1104	600037003	10/3/2022	Silver-108m	-2.50E-05	1.90E-04	6.02E-04	pCi/m3	U
1104	606085003	10/31/2022	Silver-108m	2.90E-04	1.64E-04	6.01E-04	pCi/m3	U
1104	606539003	11/28/2022	Silver-108m	3.32E-05	1.68E-04	5.14E-04	pCi/m3	U
1104	609493003	12/26/2022	Silver-108m	-3.57E-05	1.86E-04	6.10E-04	pCi/m3	U
1104	571510002	1/24/2022	Silver-110m	-2.67E-04	3.75E-04	1.00E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	574141003	2/21/2022	Silver-110m	7.94E-06	4.23E-04	1.42E-03	pCi/m3	U
1104	578170002	3/21/2022	Silver-110m	-2.73E-04	2.92E-04	8.45E-04	pCi/m3	U
1104	582160003	4/18/2022	Silver-110m	-8.08E-05	2.98E-04	9.10E-04	pCi/m3	U
1104	585159003	5/16/2022	Silver-110m	1.96E-04	4.09E-04	1.44E-03	pCi/m3	U
1104	587304003	6/13/2022	Silver-110m	-5.29E-04	3.66E-04	9.83E-04	pCi/m3	U
1104	592750003	7/11/2022	Silver-110m	-4.88E-05	3.26E-04	1.08E-03	pCi/m3	U
1104	592751003	8/8/2022	Silver-110m	-1.64E-04	2.14E-04	6.48E-04	pCi/m3	U
1104	600035003	9/5/2022	Silver-110m	9.17E-05	3.58E-04	1.06E-03	pCi/m3	U
1104	600037003	10/3/2022	Silver-110m	-4.95E-06	3.29E-04	1.10E-03	pCi/m3	U
1104	606085003	10/31/2022	Silver-110m	-5.04E-04	2.64E-04	6.88E-04	pCi/m3	U
1104	606539003	11/28/2022	Silver-110m	-2.11E-04	2.76E-04	8.58E-04	pCi/m3	U
1104	609493003	12/26/2022	Silver-110m	3.53E-04	3.97E-04	1.39E-03	pCi/m3	U
1104	571510002	1/24/2022	Tellurium-132	-1.98E-01	5.80E-01	0.00E+00	pCi/m3	U
1104	574141003	2/21/2022	Tellurium-132	1.40E-02	1.93E-01	0.00E+00	pCi/m3	UI
1104	578170002	3/21/2022	Tellurium-132	-1.14E+00	8.34E-01	0.00E+00	pCi/m3	U
1104	582160003	4/18/2022	Tellurium-132	7.49E+01	5.48E+01	0.00E+00	pCi/m3	UI
1104	585159003	5/16/2022	Tellurium-132	2.89E+00	1.30E+01	0.00E+00	pCi/m3	UI
1104	587304003	6/13/2022	Tellurium-132	-1.62E+00	2.16E+00	0.00E+00	pCi/m3	U
1104	592750003	7/11/2022	Tellurium-132	-2.13E+02	7.58E+02	0.00E+00	pCi/m3	U
1104	592751003	8/8/2022	Tellurium-132	1.54E+00	1.61E+00	0.00E+00	pCi/m3	UI
1104	600035003	9/5/2022	Tellurium-132	3.88E+02	2.41E+02	0.00E+00	pCi/m3	UI
1104	600037003	10/3/2022	Tellurium-132	-4.43E-01	4.79E-01	0.00E+00	pCi/m3	U
1104	606085003	10/31/2022	Tellurium-132	-2.00E+02	2.59E+02	0.00E+00	pCi/m3	U
1104	606539003	11/28/2022	Tellurium-132	-7.23E-01	2.07E+00	0.00E+00	pCi/m3	U
1104	609493003	12/26/2022	Tellurium-132	5.53E+00	2.69E+00	0.00E+00	pCi/m3	UI
1104	571510002	1/24/2022	Thallium-208	7.21E-04	5.66E-04	7.50E-04	pCi/m3	U
1104	574141003	2/21/2022	Thallium-208	3.86E-04	4.62E-04	7.01E-04	pCi/m3	U
1104	578170002	3/21/2022	Thallium-208	3.19E-04	2.49E-04	8.96E-04	pCi/m3	U
1104	582160003	4/18/2022	Thallium-208	5.86E-04	5.53E-04	5.73E-04	pCi/m3	UI
1104	585159003	5/16/2022	Thallium-208	2.31E-05	2.88E-04	9.55E-04	pCi/m3	U
1104	587304003	6/13/2022	Thallium-208	7.54E-05	2.74E-04	9.14E-04	pCi/m3	U
1104	592750003	7/11/2022	Thallium-208	-1.16E-04	2.67E-04	8.41E-04	pCi/m3	U
1104	592751003	8/8/2022	Thallium-208	-3.46E-04	2.48E-04	7.26E-04	pCi/m3	U
1104	600035003	9/5/2022	Thallium-208	-1.71E-04	2.72E-04	8.08E-04	pCi/m3	U
1104	600037003	10/3/2022	Thallium-208	8.38E-04	4.45E-04	7.73E-04	pCi/m3	UI
1104	606085003	10/31/2022	Thallium-208	2.94E-04	3.37E-04	6.49E-04	pCi/m3	U
1104	606539003	11/28/2022	Thallium-208	7.34E-04	3.16E-04	5.76E-04	pCi/m3	UI
1104	609493003	12/26/2022	Thallium-208	7.64E-04	3.85E-04	7.40E-04	pCi/m3	UI
1104	571510002	1/24/2022	Thorium-228	1.93E-04	7.11E-04	1.68E-03	pCi/m3	U
1104	574141003	2/21/2022	Thorium-228	1.13E-03	5.84E-04	1.49E-03	pCi/m3	U
1104	578170002	3/21/2022	Thorium-228	4.02E-04	4.39E-04	1.34E-03	pCi/m3	U
1104	582160003	4/18/2022	Thorium-228	-2.25E-04	4.77E-04	1.67E-03	pCi/m3	U
1104	585159003	5/16/2022	Thorium-228	2.26E-03	7.34E-04	1.42E-03	pCi/m3	UI
1104	587304003	6/13/2022	Thorium-228	4.33E-04	5.92E-04	1.36E-03	pCi/m3	U
1104	592750003	7/11/2022	Thorium-228	8.01E-05	4.20E-04	9.07E-04	pCi/m3	U
1104	592751003	8/8/2022	Thorium-228	-3.77E-04	3.70E-04	1.09E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	600035003	9/5/2022	Thorium-228	2.03E-05	5.52E-04	1.26E-03	pCi/m3	U
1104	600037003	10/3/2022	Thorium-228	4.43E-04	6.15E-04	1.24E-03	pCi/m3	U
1104	606085003	10/31/2022	Thorium-228	-6.54E-05	3.32E-04	1.07E-03	pCi/m3	U
1104	606539003	11/28/2022	Thorium-228	1.27E-03	6.95E-04	1.47E-03	pCi/m3	U
1104	609493003	12/26/2022	Thorium-228	4.84E-04	6.54E-04	1.02E-03	pCi/m3	U
1104	571510002	1/24/2022	Thorium-230	1.28E-03	9.77E-04	2.54E-03	pCi/m3	U
1104	574141003	2/21/2022	Thorium-230	1.52E-04	6.40E-04	1.85E-03	pCi/m3	U
1104	578170002	3/21/2022	Thorium-230	-4.95E-06	6.11E-04	1.97E-03	pCi/m3	U
1104	582160003	4/18/2022	Thorium-230	4.94E-04	9.05E-04	2.05E-03	pCi/m3	U
1104	585159003	5/16/2022	Thorium-230	3.35E-04	5.11E-04	1.73E-03	pCi/m3	U
1104	587304003	6/13/2022	Thorium-230	9.90E-04	5.40E-04	1.84E-03	pCi/m3	U
1104	592750003	7/11/2022	Thorium-230	8.66E-04	8.38E-04	1.32E-03	pCi/m3	U
1104	592751003	8/8/2022	Thorium-230	1.48E-03	7.88E-04	1.93E-03	pCi/m3	U
1104	600035003	9/5/2022	Thorium-230	2.68E-04	4.97E-04	1.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Thorium-230	5.06E-04	7.55E-04	1.58E-03	pCi/m3	U
1104	606085003	10/31/2022	Thorium-230	-1.82E-04	4.35E-04	1.40E-03	pCi/m3	U
1104	606539003	11/28/2022	Thorium-230	2.65E-03	6.90E-04	1.87E-03	pCi/m3	UI
1104	609493003	12/26/2022	Thorium-230	7.47E-04	5.38E-04	1.85E-03	pCi/m3	U
1104	571510002	1/24/2022	Thorium-232	6.12E-04	1.67E-03	4.21E-03	pCi/m3	U
1104	574141003	2/21/2022	Thorium-232	1.22E-03	1.13E-03	4.13E-03	pCi/m3	U
1104	578170002	3/21/2022	Thorium-232	-5.65E-04	1.18E-03	3.88E-03	pCi/m3	U
1104	582160003	4/18/2022	Thorium-232	-5.60E-04	1.12E-03	3.59E-03	pCi/m3	U
1104	585159003	5/16/2022	Thorium-232	5.28E-03	1.54E-03	5.20E-03	pCi/m3	UI
1104	587304003	6/13/2022	Thorium-232	6.50E-04	1.52E-03	4.10E-03	pCi/m3	U
1104	592750003	7/11/2022	Thorium-232	2.28E-03	1.70E-03	3.58E-03	pCi/m3	U
1104	592751003	8/8/2022	Thorium-232	4.26E-03	1.40E-03	3.61E-03	pCi/m3	UI
1104	600035003	9/5/2022	Thorium-232	-2.17E-03	1.08E-03	3.23E-03	pCi/m3	U
1104	600037003	10/3/2022	Thorium-232	1.56E-03	1.71E-03	4.05E-03	pCi/m3	U
1104	606085003	10/31/2022	Thorium-232	-1.66E-03	9.30E-04	2.88E-03	pCi/m3	U
1104	606539003	11/28/2022	Thorium-232	2.63E-03	1.21E-03	3.35E-03	pCi/m3	U
1104	609493003	12/26/2022	Thorium-232	1.88E-03	1.15E-03	3.90E-03	pCi/m3	U
1104	571510002	1/24/2022	Thorium-234	1.66E-02	1.23E-02	4.52E-02	pCi/m3	U
1104	574141003	2/21/2022	Thorium-234	1.22E-02	1.61E-02	2.49E-02	pCi/m3	U
1104	578170002	3/21/2022	Thorium-234	1.75E-03	6.94E-03	1.32E-02	pCi/m3	U
1104	582160003	4/18/2022	Thorium-234	4.09E-03	6.86E-03	2.35E-02	pCi/m3	U
1104	585159003	5/16/2022	Thorium-234	7.88E-03	9.43E-03	2.29E-02	pCi/m3	U
1104	587304003	6/13/2022	Thorium-234	6.10E-03	7.55E-03	1.53E-02	pCi/m3	U
1104	592750003	7/11/2022	Thorium-234	-1.08E-02	1.11E-02	3.14E-02	pCi/m3	U
1104	592751003	8/8/2022	Thorium-234	7.30E-03	7.79E-03	1.56E-02	pCi/m3	U
1104	600035003	9/5/2022	Thorium-234	5.44E-03	8.99E-03	1.95E-02	pCi/m3	U
1104	600037003	10/3/2022	Thorium-234	2.81E-02	1.71E-02	3.90E-02	pCi/m3	U
1104	606085003	10/31/2022	Thorium-234	7.32E-03	7.01E-03	9.29E-03	pCi/m3	U
1104	606539003	11/28/2022	Thorium-234	1.21E-02	6.98E-03	1.27E-02	pCi/m3	U
1104	609493003	12/26/2022	Thorium-234	-2.18E-03	2.74E-03	8.42E-03	pCi/m3	U
1104	571510002	1/24/2022	Uranium-234	1.28E-03	9.77E-04	2.54E-03	pCi/m3	U
1104	574141003	2/21/2022	Uranium-234	1.52E-04	6.40E-04	1.85E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	578170002	3/21/2022	Uranium-234	-4.95E-06	6.11E-04	1.97E-03	pCi/m3	U
1104	582160003	4/18/2022	Uranium-234	4.94E-04	9.05E-04	2.05E-03	pCi/m3	U
1104	585159003	5/16/2022	Uranium-234	3.35E-04	5.11E-04	1.73E-03	pCi/m3	U
1104	587304003	6/13/2022	Uranium-234	9.90E-04	5.40E-04	1.84E-03	pCi/m3	U
1104	592750003	7/11/2022	Uranium-234	8.66E-04	8.38E-04	1.32E-03	pCi/m3	U
1104	592751003	8/8/2022	Uranium-234	1.48E-03	7.88E-04	1.93E-03	pCi/m3	U
1104	600035003	9/5/2022	Uranium-234	2.68E-04	4.97E-04	1.64E-03	pCi/m3	U
1104	600037003	10/3/2022	Uranium-234	5.06E-04	7.55E-04	1.58E-03	pCi/m3	U
1104	606085003	10/31/2022	Uranium-234	-1.82E-04	4.35E-04	1.40E-03	pCi/m3	U
1104	606539003	11/28/2022	Uranium-234	2.65E-03	6.90E-04	1.87E-03	pCi/m3	UI
1104	609493003	12/26/2022	Uranium-234	7.47E-04	5.38E-04	1.85E-03	pCi/m3	U
1104	571510002	1/24/2022	Zinc-65	3.17E-04	7.21E-04	2.51E-03	pCi/m3	U
1104	574141003	2/21/2022	Zinc-65	7.79E-04	7.59E-04	2.74E-03	pCi/m3	U
1104	578170002	3/21/2022	Zinc-65	-8.02E-05	6.25E-04	1.71E-03	pCi/m3	U
1104	582160003	4/18/2022	Zinc-65	3.75E-04	5.72E-04	2.07E-03	pCi/m3	U
1104	585159003	5/16/2022	Zinc-65	2.44E-04	6.81E-04	2.35E-03	pCi/m3	U
1104	587304003	6/13/2022	Zinc-65	4.75E-04	4.65E-04	1.64E-03	pCi/m3	U
1104	592750003	7/11/2022	Zinc-65	-3.36E-04	6.10E-04	1.91E-03	pCi/m3	U
1104	592751003	8/8/2022	Zinc-65	-4.13E-04	5.02E-04	1.51E-03	pCi/m3	U
1104	600035003	9/5/2022	Zinc-65	6.97E-04	6.10E-04	2.27E-03	pCi/m3	U
1104	600037003	10/3/2022	Zinc-65	1.34E-04	5.96E-04	2.02E-03	pCi/m3	U
1104	606085003	10/31/2022	Zinc-65	-9.36E-04	5.43E-04	1.45E-03	pCi/m3	U
1104	606539003	11/28/2022	Zinc-65	-1.35E-03	5.59E-04	9.44E-04	pCi/m3	U
1104	609493003	12/26/2022	Zinc-65	1.47E-04	6.35E-04	2.19E-03	pCi/m3	U
1104	571510002	1/24/2022	Zirconium-95	9.08E-04	4.58E-04	1.84E-03	pCi/m3	U
1104	574141003	2/21/2022	Zirconium-95	-4.61E-04	6.32E-04	2.01E-03	pCi/m3	U
1104	578170002	3/21/2022	Zirconium-95	1.21E-03	6.12E-04	2.32E-03	pCi/m3	U
1104	582160003	4/18/2022	Zirconium-95	-3.31E-04	7.40E-04	2.13E-03	pCi/m3	U
1104	585159003	5/16/2022	Zirconium-95	3.32E-04	8.28E-04	2.74E-03	pCi/m3	U
1104	587304003	6/13/2022	Zirconium-95	1.13E-04	5.26E-04	1.75E-03	pCi/m3	U
1104	592750003	7/11/2022	Zirconium-95	-5.07E-04	8.52E-04	2.62E-03	pCi/m3	U
1104	592751003	8/8/2022	Zirconium-95	-1.90E-04	5.14E-04	1.56E-03	pCi/m3	U
1104	600035003	9/5/2022	Zirconium-95	1.53E-03	7.09E-04	2.74E-03	pCi/m3	U
1104	600037003	10/3/2022	Zirconium-95	1.61E-04	5.83E-04	2.01E-03	pCi/m3	U
1104	606085003	10/31/2022	Zirconium-95	1.65E-03	7.59E-04	2.87E-03	pCi/m3	U
1104	606539003	11/28/2022	Zirconium-95	5.30E-05	4.87E-04	1.58E-03	pCi/m3	U
1104	609493003	12/26/2022	Zirconium-95	-5.19E-04	5.76E-04	1.63E-03	pCi/m3	U
1108	571510001	1/24/2022	Actinium-228	6.62E-03	1.69E-03	4.77E-03	pCi/m3	UI
1108	574141002	2/21/2022	Actinium-228	-7.50E-04	1.06E-03	3.46E-03	pCi/m3	U
1108	578170001	3/21/2022	Actinium-228	-1.25E-03	1.15E-03	3.47E-03	pCi/m3	U
1108	582160002	4/18/2022	Actinium-228	6.12E-04	1.69E-03	4.28E-03	pCi/m3	U
1108	585159002	5/16/2022	Actinium-228	1.53E-04	1.47E-03	4.87E-03	pCi/m3	U
1108	587304002	6/13/2022	Actinium-228	6.40E-04	1.01E-03	3.34E-03	pCi/m3	U
1108	592750002	7/11/2022	Actinium-228	2.08E-03	1.28E-03	4.79E-03	pCi/m3	U
1108	592751002	8/8/2022	Actinium-228	6.31E-04	1.04E-03	3.06E-03	pCi/m3	U
1108	600035002	9/5/2022	Actinium-228	-1.14E-03	1.13E-03	3.23E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	600037002	10/3/2022	Actinium-228	2.76E-03	1.19E-03	3.81E-03	pCi/m3	U
1108	606085002	10/31/2022	Actinium-228	-1.65E-04	9.23E-04	3.10E-03	pCi/m3	U
1108	606539002	11/28/2022	Actinium-228	2.87E-03	1.26E-03	4.02E-03	pCi/m3	U
1108	609493002	12/26/2022	Actinium-228	-1.42E-03	1.02E-03	3.25E-03	pCi/m3	U
1108	571510001	1/24/2022	Americium-241	1.38E-03	7.37E-04	1.82E-03	pCi/m3	U
1108	574141002	2/21/2022	Americium-241	1.12E-04	5.03E-04	1.52E-03	pCi/m3	U
1108	578170001	3/21/2022	Americium-241	-3.65E-04	2.34E-04	7.26E-04	pCi/m3	U
1108	582160002	4/18/2022	Americium-241	1.22E-03	7.28E-04	2.67E-03	pCi/m3	U
1108	585159002	5/16/2022	Americium-241	-1.17E-04	1.13E-03	3.56E-03	pCi/m3	U
1108	587304002	6/13/2022	Americium-241	-2.92E-04	6.28E-04	1.89E-03	pCi/m3	U
1108	592750002	7/11/2022	Americium-241	3.79E-03	2.39E-03	3.84E-03	pCi/m3	U
1108	592751002	8/8/2022	Americium-241	6.88E-05	4.27E-04	1.36E-03	pCi/m3	U
1108	600035002	9/5/2022	Americium-241	-1.32E-04	2.06E-04	6.48E-04	pCi/m3	U
1108	600037002	10/3/2022	Americium-241	5.55E-04	5.00E-04	1.77E-03	pCi/m3	U
1108	606085002	10/31/2022	Americium-241	-2.29E-03	1.42E-03	3.82E-03	pCi/m3	U
1108	606539002	11/28/2022	Americium-241	-1.51E-04	5.62E-04	1.84E-03	pCi/m3	U
1108	609493002	12/26/2022	Americium-241	1.63E-04	1.94E-04	6.52E-04	pCi/m3	U
1108	571510001	1/24/2022	Antimony-124	-2.67E-05	7.62E-04	2.49E-03	pCi/m3	U
1108	574141002	2/21/2022	Antimony-124	-1.45E-03	8.02E-04	1.93E-03	pCi/m3	U
1108	578170001	3/21/2022	Antimony-124	7.22E-04	1.05E-03	3.86E-03	pCi/m3	U
1108	582160002	4/18/2022	Antimony-124	-1.46E-03	9.30E-04	1.91E-03	pCi/m3	U
1108	585159002	5/16/2022	Antimony-124	6.96E-04	9.82E-04	3.62E-03	pCi/m3	U
1108	587304002	6/13/2022	Antimony-124	1.87E-04	9.84E-04	3.29E-03	pCi/m3	U
1108	592750002	7/11/2022	Antimony-124	1.26E-03	1.21E-03	4.72E-03	pCi/m3	U
1108	592751002	8/8/2022	Antimony-124	-1.32E-03	1.13E-03	2.05E-03	pCi/m3	U
1108	600035002	9/5/2022	Antimony-124	-1.77E-04	1.26E-03	3.97E-03	pCi/m3	U
1108	600037002	10/3/2022	Antimony-124	5.48E-04	6.04E-04	2.36E-03	pCi/m3	U
1108	606085002	10/31/2022	Antimony-124	9.87E-04	1.17E-03	4.30E-03	pCi/m3	U
1108	606539002	11/28/2022	Antimony-124	-6.77E-04	7.44E-04	1.89E-03	pCi/m3	U
1108	609493002	12/26/2022	Antimony-124	2.41E-04	8.54E-04	2.99E-03	pCi/m3	U
1108	571510001	1/24/2022	Antimony-125	9.56E-05	5.09E-04	1.73E-03	pCi/m3	U
1108	574141002	2/21/2022	Antimony-125	-4.52E-05	4.99E-04	1.62E-03	pCi/m3	U
1108	578170001	3/21/2022	Antimony-125	8.76E-06	5.80E-04	1.98E-03	pCi/m3	U
1108	582160002	4/18/2022	Antimony-125	6.55E-04	5.18E-04	1.89E-03	pCi/m3	U
1108	585159002	5/16/2022	Antimony-125	3.69E-04	7.09E-04	2.23E-03	pCi/m3	U
1108	587304002	6/13/2022	Antimony-125	1.49E-04	4.96E-04	1.70E-03	pCi/m3	U
1108	592750002	7/11/2022	Antimony-125	-1.95E-04	6.52E-04	2.18E-03	pCi/m3	U
1108	592751002	8/8/2022	Antimony-125	1.14E-03	1.16E-03	1.67E-03	pCi/m3	U
1108	600035002	9/5/2022	Antimony-125	3.48E-05	6.25E-04	2.09E-03	pCi/m3	U
1108	600037002	10/3/2022	Antimony-125	6.22E-04	5.17E-04	1.84E-03	pCi/m3	U
1108	606085002	10/31/2022	Antimony-125	4.61E-04	6.00E-04	2.02E-03	pCi/m3	U
1108	606539002	11/28/2022	Antimony-125	2.21E-04	4.42E-04	1.53E-03	pCi/m3	U
1108	609493002	12/26/2022	Antimony-125	-6.35E-05	4.76E-04	1.46E-03	pCi/m3	U
1108	571510001	1/24/2022	Barium-140	-4.93E-03	5.62E-03	1.60E-02	pCi/m3	U
1108	574141002	2/21/2022	Barium-140	-3.66E-03	4.21E-03	1.26E-02	pCi/m3	U
1108	578170001	3/21/2022	Barium-140	1.55E-02	2.08E-02	2.10E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	582160002	4/18/2022	Barium-140	2.94E-02	1.43E-02	5.66E-02	pCi/m3	U
1108	585159002	5/16/2022	Barium-140	1.56E-02	1.27E-02	4.68E-02	pCi/m3	U
1108	587304002	6/13/2022	Barium-140	-5.75E-03	6.97E-03	2.13E-02	pCi/m3	U
1108	592750002	7/11/2022	Barium-140	2.94E-02	4.32E-02	1.52E-01	pCi/m3	U
1108	592751002	8/8/2022	Barium-140	2.36E-03	6.43E-03	2.04E-02	pCi/m3	U
1108	600035002	9/5/2022	Barium-140	-1.90E-02	2.68E-02	8.21E-02	pCi/m3	U
1108	600037002	10/3/2022	Barium-140	2.36E-03	5.32E-03	1.79E-02	pCi/m3	U
1108	606085002	10/31/2022	Barium-140	-1.11E-02	2.79E-02	9.20E-02	pCi/m3	U
1108	606539002	11/28/2022	Barium-140	-5.76E-03	6.37E-03	1.89E-02	pCi/m3	U
1108	609493002	12/26/2022	Barium-140	1.80E-03	7.60E-03	2.63E-02	pCi/m3	U
1108	571510001	1/24/2022	Beryllium-7	9.14E-02	6.47E-03	7.56E-03	pCi/m3	
1108	574141002	2/21/2022	Beryllium-7	1.15E-01	6.66E-03	6.21E-03	pCi/m3	
1108	578170001	3/21/2022	Beryllium-7	1.16E-01	8.93E-03	9.09E-03	pCi/m3	
1108	582160002	4/18/2022	Beryllium-7	1.46E-01	1.08E-02	1.12E-02	pCi/m3	
1108	585159002	5/16/2022	Beryllium-7	1.38E-01	1.07E-02	1.05E-02	pCi/m3	
1108	587304002	6/13/2022	Beryllium-7	1.21E-01	8.61E-03	1.02E-02	pCi/m3	
1108	592750002	7/11/2022	Beryllium-7	1.30E-01	1.14E-02	1.41E-02	pCi/m3	
1108	592751002	8/8/2022	Beryllium-7	1.18E-01	7.26E-03	7.90E-03	pCi/m3	
1108	600035002	9/5/2022	Beryllium-7	9.54E-02	9.75E-03	1.44E-02	pCi/m3	
1108	600037002	10/3/2022	Beryllium-7	1.07E-01	7.74E-03	7.60E-03	pCi/m3	
1108	606085002	10/31/2022	Beryllium-7	1.16E-01	1.17E-02	1.39E-02	pCi/m3	
1108	606539002	11/28/2022	Beryllium-7	9.40E-02	7.52E-03	8.69E-03	pCi/m3	
1108	609493002	12/26/2022	Beryllium-7	7.22E-02	8.13E-03	1.03E-02	pCi/m3	
1108	566163003	1/3/2022	BETA	1.98E-02	1.39E-03	1.64E-03	pCi/m3	
1108	566828001	1/10/2022	BETA	5.04E-02	2.22E-03	1.77E-03	pCi/m3	
1108	567642003	1/18/2022	BETA	5.63E-02	2.15E-03	1.48E-03	pCi/m3	
1108	568219001	1/24/2022	BETA	4.56E-02	2.30E-03	2.10E-03	pCi/m3	
1108	568939001	1/31/2022	BETA	4.76E-02	2.16E-03	1.85E-03	pCi/m3	
1108	569538003	2/7/2022	BETA	4.01E-02	1.82E-03	1.38E-03	pCi/m3	
1108	570263003	2/14/2022	BETA	4.58E-02	1.97E-03	1.46E-03	pCi/m3	
1108	571003003	2/21/2022	BETA	3.31E-02	1.66E-03	1.43E-03	pCi/m3	
1108	571635003	2/28/2022	BETA	3.04E-02	1.66E-03	1.60E-03	pCi/m3	
1108	572313001	3/7/2022	BETA	6.02E-02	2.25E-03	1.53E-03	pCi/m3	
1108	573042005	3/14/2022	BETA	3.18E-02	1.67E-03	1.49E-03	pCi/m3	
1108	573808001	3/21/2022	BETA	2.56E-02	1.54E-03	1.56E-03	pCi/m3	
1108	574541003	3/28/2022	BETA	2.53E-02	1.52E-03	1.48E-03	pCi/m3	
1108	575128003	4/4/2022	BETA	3.33E-02	1.72E-03	1.54E-03	pCi/m3	
1108	576089003	4/11/2022	BETA	2.74E-02	1.56E-03	1.64E-03	pCi/m3	
1108	576842003	4/18/2022	BETA	2.58E-02	1.51E-03	1.52E-03	pCi/m3	
1108	577600003	4/25/2022	BETA	4.21E-02	1.92E-03	1.49E-03	pCi/m3	
1108	578408003	5/3/2022	BETA	3.70E-02	1.64E-03	1.27E-03	pCi/m3	
1108	579260005	5/9/2022	BETA	2.29E-02	1.57E-03	1.87E-03	pCi/m3	
1108	580039003	5/16/2022	BETA	3.89E-02	1.84E-03	1.56E-03	pCi/m3	
1108	580690003	5/23/2022	BETA	4.45E-02	1.94E-03	1.48E-03	pCi/m3	
1108	581375003	5/30/2022	BETA	2.79E-02	1.56E-03	1.49E-03	pCi/m3	
1108	581944003	6/6/2022	BETA	3.52E-02	1.55E-03	1.35E-03	pCi/m3	

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	582792003	6/13/2022	BETA	2.73E-02	1.35E-03	1.16E-03	pCi/m3	
1108	583523003	6/20/2022	BETA	3.46E-02	1.50E-03	1.18E-03	pCi/m3	
1108	584133003	6/27/2022	BETA	4.32E-02	1.71E-03	1.36E-03	pCi/m3	
1108	584820003	7/4/2022	BETA	2.22E-02	1.20E-03	1.10E-03	pCi/m3	
1108	585556003	7/11/2022	BETA	2.49E-02	1.28E-03	1.14E-03	pCi/m3	
1108	586336003	7/18/2022	BETA	3.58E-02	1.51E-03	1.14E-03	pCi/m3	
1108	587158003	7/25/2022	BETA	2.73E-02	1.34E-03	1.17E-03	pCi/m3	
1108	587887003	8/1/2022	BETA	1.81E-02	1.10E-03	1.15E-03	pCi/m3	
1108	588821003	8/8/2022	BETA	1.78E-02	1.11E-03	1.19E-03	pCi/m3	
1108	589631003	8/15/2022	BETA	2.91E-02	1.37E-03	1.13E-03	pCi/m3	
1108	590529003	8/22/2022	BETA	4.67E-02	1.77E-03	1.42E-03	pCi/m3	
1108	590546003	8/29/2022	BETA	2.84E-02	1.37E-03	1.18E-03	pCi/m3	
1108	592023003	9/5/2022	BETA	2.41E-02	1.27E-03	1.18E-03	pCi/m3	
1108	592701003	9/12/2022	BETA	2.99E-02	1.44E-03	1.33E-03	pCi/m3	
1108	593604005	9/19/2022	BETA	4.23E-02	1.67E-03	1.20E-03	pCi/m3	
1108	594422001	9/26/2022	BETA	4.76E-02	1.76E-03	1.14E-03	pCi/m3	
1108	594990003	10/3/2022	BETA	2.93E-02	1.41E-03	1.20E-03	pCi/m3	
1108	596158003	10/10/2022	BETA	3.68E-02	1.56E-03	1.15E-03	pCi/m3	
1108	597076003	10/17/2022	BETA	4.54E-02	1.77E-03	1.34E-03	pCi/m3	
1108	597935003	10/24/2022	BETA	3.99E-02	1.55E-03	1.06E-03	pCi/m3	
1108	598808003	10/31/2022	BETA	3.08E-02	1.37E-03	1.06E-03	pCi/m3	
1108	599716003	11/7/2022	BETA	4.95E-02	1.73E-03	1.07E-03	pCi/m3	
1108	600681003	11/14/2022	BETA	3.54E-02	1.46E-03	1.07E-03	pCi/m3	
1108	601449003	11/21/2022	BETA	4.41E-02	1.63E-03	1.07E-03	pCi/m3	
1108	602125005	11/28/2022	BETA	4.56E-02	1.66E-03	1.08E-03	pCi/m3	
1108	602823005	12/5/2022	BETA	4.57E-02	1.64E-03	1.04E-03	pCi/m3	
1108	603758003	12/12/2022	BETA	2.32E-02	1.20E-03	1.08E-03	pCi/m3	
1108	604618003	12/19/2022	BETA	3.71E-02	1.51E-03	1.08E-03	pCi/m3	
1108	605325003	12/26/2022	BETA	3.65E-02	1.48E-03	1.04E-03	pCi/m3	
1108	571510001	1/24/2022	Bismuth-214	1.71E-03	9.12E-04	2.25E-03	pCi/m3	U
1108	574141002	2/21/2022	Bismuth-214	1.64E-03	8.03E-04	1.97E-03	pCi/m3	U
1108	578170001	3/21/2022	Bismuth-214	2.50E-03	8.46E-04	2.44E-03	pCi/m3	UI
1108	582160002	4/18/2022	Bismuth-214	6.93E-04	6.58E-04	1.75E-03	pCi/m3	U
1108	585159002	5/16/2022	Bismuth-214	3.09E-04	6.95E-04	2.36E-03	pCi/m3	U
1108	587304002	6/13/2022	Bismuth-214	-8.30E-04	5.31E-04	1.43E-03	pCi/m3	U
1108	592750002	7/11/2022	Bismuth-214	3.14E-03	9.44E-04	2.42E-03	pCi/m3	UI
1108	592751002	8/8/2022	Bismuth-214	1.39E-03	8.80E-04	1.41E-03	pCi/m3	U
1108	600035002	9/5/2022	Bismuth-214	-2.51E-04	6.76E-04	1.96E-03	pCi/m3	U
1108	600037002	10/3/2022	Bismuth-214	4.96E-04	4.42E-04	1.55E-03	pCi/m3	U
1108	606085002	10/31/2022	Bismuth-214	4.79E-04	6.35E-04	2.14E-03	pCi/m3	U
1108	606539002	11/28/2022	Bismuth-214	2.06E-03	7.72E-04	2.17E-03	pCi/m3	U
1108	609493002	12/26/2022	Bismuth-214	1.83E-03	9.21E-04	1.45E-03	pCi/m3	UI
1108	571510001	1/24/2022	Cerium-141	7.35E-04	4.73E-04	1.64E-03	pCi/m3	U
1108	574141002	2/21/2022	Cerium-141	-7.16E-04	4.30E-04	1.21E-03	pCi/m3	U
1108	578170001	3/21/2022	Cerium-141	-8.23E-04	6.28E-04	1.69E-03	pCi/m3	U
1108	582160002	4/18/2022	Cerium-141	-1.34E-03	7.38E-04	2.09E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	585159002	5/16/2022	Cerium-141	5.84E-04	7.79E-04	2.72E-03	pCi/m3	U
1108	587304002	6/13/2022	Cerium-141	-3.45E-04	5.39E-04	1.68E-03	pCi/m3	U
1108	592750002	7/11/2022	Cerium-141	2.19E-03	1.54E-03	4.05E-03	pCi/m3	U
1108	592751002	8/8/2022	Cerium-141	6.36E-04	4.78E-04	1.72E-03	pCi/m3	U
1108	600035002	9/5/2022	Cerium-141	-7.21E-04	9.23E-04	2.78E-03	pCi/m3	U
1108	600037002	10/3/2022	Cerium-141	1.84E-03	1.01E-03	1.34E-03	pCi/m3	UI
1108	606085002	10/31/2022	Cerium-141	-1.68E-03	1.08E-03	3.06E-03	pCi/m3	U
1108	606539002	11/28/2022	Cerium-141	-7.61E-04	5.35E-04	1.55E-03	pCi/m3	U
1108	609493002	12/26/2022	Cerium-141	-3.21E-04	5.27E-04	1.56E-03	pCi/m3	U
1108	571510001	1/24/2022	Cerium-144	-1.55E-03	8.72E-04	2.49E-03	pCi/m3	U
1108	574141002	2/21/2022	Cerium-144	-2.39E-04	8.99E-04	2.76E-03	pCi/m3	U
1108	578170001	3/21/2022	Cerium-144	-1.77E-03	1.05E-03	2.74E-03	pCi/m3	U
1108	582160002	4/18/2022	Cerium-144	1.80E-03	1.03E-03	3.66E-03	pCi/m3	U
1108	585159002	5/16/2022	Cerium-144	-1.99E-03	1.06E-03	3.27E-03	pCi/m3	U
1108	587304002	6/13/2022	Cerium-144	3.89E-03	1.45E-03	2.66E-03	pCi/m3	UI
1108	592750002	7/11/2022	Cerium-144	-1.60E-03	1.27E-03	3.90E-03	pCi/m3	U
1108	592751002	8/8/2022	Cerium-144	1.83E-03	8.74E-04	3.24E-03	pCi/m3	U
1108	600035002	9/5/2022	Cerium-144	-3.28E-05	9.68E-04	3.07E-03	pCi/m3	U
1108	600037002	10/3/2022	Cerium-144	-8.11E-05	8.66E-04	2.77E-03	pCi/m3	U
1108	606085002	10/31/2022	Cerium-144	1.84E-03	1.46E-03	3.86E-03	pCi/m3	U
1108	606539002	11/28/2022	Cerium-144	-1.07E-04	8.29E-04	2.64E-03	pCi/m3	U
1108	609493002	12/26/2022	Cerium-144	1.47E-03	9.41E-04	3.20E-03	pCi/m3	U
1108	571510001	1/24/2022	Cesium-134	-2.04E-04	2.81E-04	8.44E-04	pCi/m3	U
1108	574141002	2/21/2022	Cesium-134	3.11E-04	2.20E-04	8.33E-04	pCi/m3	U
1108	578170001	3/21/2022	Cesium-134	-9.25E-05	2.63E-04	8.27E-04	pCi/m3	U
1108	582160002	4/18/2022	Cesium-134	3.69E-04	2.44E-04	9.49E-04	pCi/m3	U
1108	585159002	5/16/2022	Cesium-134	5.10E-04	3.01E-04	9.01E-04	pCi/m3	U
1108	587304002	6/13/2022	Cesium-134	2.14E-04	2.50E-04	8.70E-04	pCi/m3	U
1108	592750002	7/11/2022	Cesium-134	2.08E-04	3.40E-04	1.15E-03	pCi/m3	U
1108	592751002	8/8/2022	Cesium-134	-1.22E-05	2.17E-04	7.30E-04	pCi/m3	U
1108	600035002	9/5/2022	Cesium-134	-1.99E-05	2.54E-04	8.03E-04	pCi/m3	U
1108	600037002	10/3/2022	Cesium-134	2.96E-04	2.83E-04	7.79E-04	pCi/m3	U
1108	606085002	10/31/2022	Cesium-134	-3.10E-04	2.73E-04	8.14E-04	pCi/m3	U
1108	606539002	11/28/2022	Cesium-134	5.05E-04	2.53E-04	9.63E-04	pCi/m3	U
1108	609493002	12/26/2022	Cesium-134	1.12E-04	2.60E-04	8.98E-04	pCi/m3	U
1108	571510001	1/24/2022	Cesium-137	1.35E-04	2.07E-04	7.19E-04	pCi/m3	U
1108	574141002	2/21/2022	Cesium-137	-1.14E-04	2.79E-04	7.96E-04	pCi/m3	U
1108	578170001	3/21/2022	Cesium-137	5.67E-05	2.38E-04	7.77E-04	pCi/m3	U
1108	582160002	4/18/2022	Cesium-137	1.90E-04	2.27E-04	7.92E-04	pCi/m3	U
1108	585159002	5/16/2022	Cesium-137	5.61E-05	2.44E-04	8.33E-04	pCi/m3	U
1108	587304002	6/13/2022	Cesium-137	-8.14E-05	1.93E-04	6.02E-04	pCi/m3	U
1108	592750002	7/11/2022	Cesium-137	3.81E-04	3.34E-04	6.50E-04	pCi/m3	U
1108	592751002	8/8/2022	Cesium-137	3.24E-05	2.27E-04	7.13E-04	pCi/m3	U
1108	600035002	9/5/2022	Cesium-137	-7.22E-05	2.10E-04	6.51E-04	pCi/m3	U
1108	600037002	10/3/2022	Cesium-137	5.38E-07	2.99E-04	9.94E-04	pCi/m3	U
1108	606085002	10/31/2022	Cesium-137	2.46E-04	2.81E-04	9.45E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1108	606539002	11/28/2022	Cesium-137	6.55E-04	2.26E-04	3.23E-04	pCi/m3	U
1108	609493002	12/26/2022	Cesium-137	-3.49E-05	2.48E-04	7.36E-04	pCi/m3	U
1108	571510001	1/24/2022	Chromium-51	3.06E-03	3.65E-03	1.30E-02	pCi/m3	U
1108	574141002	2/21/2022	Chromium-51	7.12E-03	3.20E-03	1.19E-02	pCi/m3	U
1108	578170001	3/21/2022	Chromium-51	2.96E-03	4.64E-03	1.52E-02	pCi/m3	U
1108	582160002	4/18/2022	Chromium-51	4.92E-03	7.28E-03	2.33E-02	pCi/m3	U
1108	585159002	5/16/2022	Chromium-51	8.54E-03	5.79E-03	2.06E-02	pCi/m3	U
1108	587304002	6/13/2022	Chromium-51	-1.22E-03	4.08E-03	1.31E-02	pCi/m3	U
1108	592750002	7/11/2022	Chromium-51	-8.78E-03	1.14E-02	3.29E-02	pCi/m3	U
1108	592751002	8/8/2022	Chromium-51	1.73E-03	3.65E-03	1.24E-02	pCi/m3	U
1108	600035002	9/5/2022	Chromium-51	-8.36E-04	6.61E-03	2.21E-02	pCi/m3	U
1108	600037002	10/3/2022	Chromium-51	7.41E-04	3.68E-03	1.25E-02	pCi/m3	U
1108	606085002	10/31/2022	Chromium-51	8.20E-03	7.89E-03	2.70E-02	pCi/m3	U
1108	606539002	11/28/2022	Chromium-51	-7.47E-04	3.76E-03	1.26E-02	pCi/m3	U
1108	609493002	12/26/2022	Chromium-51	3.03E-03	4.24E-03	1.42E-02	pCi/m3	U
1108	571510001	1/24/2022	Cobalt-57	-3.04E-05	1.15E-04	3.66E-04	pCi/m3	U
1108	574141002	2/21/2022	Cobalt-57	-4.20E-05	1.16E-04	3.57E-04	pCi/m3	U
1108	578170001	3/21/2022	Cobalt-57	8.42E-05	1.06E-04	3.66E-04	pCi/m3	U
1108	582160002	4/18/2022	Cobalt-57	-2.50E-05	1.33E-04	4.28E-04	pCi/m3	U
1108	585159002	5/16/2022	Cobalt-57	-9.07E-05	1.41E-04	4.68E-04	pCi/m3	U
1108	587304002	6/13/2022	Cobalt-57	-9.76E-05	1.25E-04	3.90E-04	pCi/m3	U
1108	592750002	7/11/2022	Cobalt-57	1.49E-04	1.58E-04	5.42E-04	pCi/m3	U
1108	592751002	8/8/2022	Cobalt-57	-3.84E-05	1.08E-04	3.64E-04	pCi/m3	U
1108	600035002	9/5/2022	Cobalt-57	-5.95E-06	1.21E-04	3.85E-04	pCi/m3	U
1108	600037002	10/3/2022	Cobalt-57	-1.09E-04	1.19E-04	3.65E-04	pCi/m3	U
1108	606085002	10/31/2022	Cobalt-57	7.24E-05	1.46E-04	4.91E-04	pCi/m3	U
1108	606539002	11/28/2022	Cobalt-57	2.30E-04	1.05E-04	3.82E-04	pCi/m3	U
1108	609493002	12/26/2022	Cobalt-57	1.69E-05	1.25E-04	4.22E-04	pCi/m3	U
1108	571510001	1/24/2022	Cobalt-58	-2.08E-04	3.14E-04	9.43E-04	pCi/m3	U
1108	574141002	2/21/2022	Cobalt-58	2.39E-04	2.66E-04	9.64E-04	pCi/m3	U
1108	578170001	3/21/2022	Cobalt-58	-6.01E-05	3.67E-04	1.18E-03	pCi/m3	U
1108	582160002	4/18/2022	Cobalt-58	1.55E-04	4.55E-04	1.59E-03	pCi/m3	U
1108	585159002	5/16/2022	Cobalt-58	-6.40E-04	3.78E-04	1.02E-03	pCi/m3	U
1108	587304002	6/13/2022	Cobalt-58	3.20E-04	2.62E-04	9.62E-04	pCi/m3	U
1108	592750002	7/11/2022	Cobalt-58	7.83E-04	4.11E-04	1.54E-03	pCi/m3	U
1108	592751002	8/8/2022	Cobalt-58	7.22E-06	3.03E-04	1.02E-03	pCi/m3	U
1108	600035002	9/5/2022	Cobalt-58	-1.35E-04	3.90E-04	1.19E-03	pCi/m3	U
1108	600037002	10/3/2022	Cobalt-58	4.42E-04	2.47E-04	9.74E-04	pCi/m3	U
1108	606085002	10/31/2022	Cobalt-58	-5.40E-04	4.14E-04	1.20E-03	pCi/m3	U
1108	606539002	11/28/2022	Cobalt-58	-1.38E-04	2.97E-04	8.89E-04	pCi/m3	U
1108	609493002	12/26/2022	Cobalt-58	-2.02E-04	3.16E-04	9.74E-04	pCi/m3	U
1108	571510001	1/24/2022	Cobalt-60	1.03E-04	2.42E-04	8.53E-04	pCi/m3	U
1108	574141002	2/21/2022	Cobalt-60	1.44E-04	2.13E-04	7.61E-04	pCi/m3	U
1108	578170001	3/21/2022	Cobalt-60	3.04E-04	2.69E-04	1.05E-03	pCi/m3	U
1108	582160002	4/18/2022	Cobalt-60	1.08E-05	2.44E-04	8.01E-04	pCi/m3	U
1108	585159002	5/16/2022	Cobalt-60	8.14E-04	2.88E-04	1.26E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	587304002	6/13/2022	Cobalt-60	-4.77E-05	2.65E-04	8.48E-04	pCi/m3	U
1108	592750002	7/11/2022	Cobalt-60	1.96E-04	2.74E-04	9.74E-04	pCi/m3	U
1108	592751002	8/8/2022	Cobalt-60	-7.62E-05	2.23E-04	6.91E-04	pCi/m3	U
1108	600035002	9/5/2022	Cobalt-60	3.28E-04	2.77E-04	1.06E-03	pCi/m3	U
1108	600037002	10/3/2022	Cobalt-60	-9.21E-05	2.43E-04	7.44E-04	pCi/m3	U
1108	606085002	10/31/2022	Cobalt-60	2.63E-06	2.27E-04	7.46E-04	pCi/m3	U
1108	606539002	11/28/2022	Cobalt-60	-3.45E-04	2.06E-04	4.50E-04	pCi/m3	U
1108	609493002	12/26/2022	Cobalt-60	9.39E-06	2.52E-04	8.06E-04	pCi/m3	U
1108	571510001	1/24/2022	Iron-59	7.98E-04	5.51E-04	2.23E-03	pCi/m3	U
1108	574141002	2/21/2022	Iron-59	-2.49E-04	7.50E-04	2.04E-03	pCi/m3	U
1108	578170001	3/21/2022	Iron-59	-8.89E-04	9.27E-04	2.56E-03	pCi/m3	U
1108	582160002	4/18/2022	Iron-59	-8.02E-04	1.34E-03	4.13E-03	pCi/m3	U
1108	585159002	5/16/2022	Iron-59	8.22E-04	1.21E-03	4.18E-03	pCi/m3	U
1108	587304002	6/13/2022	Iron-59	-1.18E-03	7.22E-04	1.33E-03	pCi/m3	U
1108	592750002	7/11/2022	Iron-59	2.58E-04	1.70E-03	4.98E-03	pCi/m3	U
1108	592751002	8/8/2022	Iron-59	1.51E-04	7.05E-04	2.39E-03	pCi/m3	U
1108	600035002	9/5/2022	Iron-59	0.00E+00	1.22E-03	4.11E-03	pCi/m3	U
1108	600037002	10/3/2022	Iron-59	2.67E-04	6.62E-04	2.29E-03	pCi/m3	U
1108	606085002	10/31/2022	Iron-59	1.92E-03	1.31E-03	4.98E-03	pCi/m3	U
1108	606539002	11/28/2022	Iron-59	4.71E-04	9.89E-04	3.24E-03	pCi/m3	U
1108	609493002	12/26/2022	Iron-59	7.56E-04	1.01E-03	3.51E-03	pCi/m3	U
1108	571510001	1/24/2022	Lanthanum-140	-1.20E-05	2.08E-03	6.85E-03	pCi/m3	U
1108	574141002	2/21/2022	Lanthanum-140	6.65E-04	1.21E-03	4.47E-03	pCi/m3	U
1108	578170001	3/21/2022	Lanthanum-140	-1.12E-03	2.11E-03	6.32E-03	pCi/m3	U
1108	582160002	4/18/2022	Lanthanum-140	-8.33E-04	7.51E-03	2.36E-02	pCi/m3	U
1108	585159002	5/16/2022	Lanthanum-140	-2.84E-03	6.62E-03	2.08E-02	pCi/m3	U
1108	587304002	6/13/2022	Lanthanum-140	-2.81E-03	2.71E-03	7.14E-03	pCi/m3	U
1108	592750002	7/11/2022	Lanthanum-140	3.50E-03	1.05E-02	3.63E-02	pCi/m3	U
1108	592751002	8/8/2022	Lanthanum-140	1.08E-03	3.32E-03	1.11E-02	pCi/m3	U
1108	600035002	9/5/2022	Lanthanum-140	1.25E-02	1.00E-02	3.77E-02	pCi/m3	U
1108	600037002	10/3/2022	Lanthanum-140	-2.03E-03	1.80E-03	4.92E-03	pCi/m3	U
1108	606085002	10/31/2022	Lanthanum-140	-3.55E-03	1.22E-02	3.81E-02	pCi/m3	U
1108	606539002	11/28/2022	Lanthanum-140	-3.26E-03	3.24E-03	8.70E-03	pCi/m3	U
1108	609493002	12/26/2022	Lanthanum-140	1.14E-03	2.73E-03	9.78E-03	pCi/m3	U
1108	571510001	1/24/2022	Lead-210	2.66E-02	2.33E-02	4.00E-02	pCi/m3	U
1108	574141002	2/21/2022	Lead-210	3.17E-02	1.80E-02	3.34E-02	pCi/m3	U
1108	578170001	3/21/2022	Lead-210	1.62E-02	4.25E-03	7.06E-03	pCi/m3	U
1108	582160002	4/18/2022	Lead-210	-3.43E-03	3.23E-02	9.99E-02	pCi/m3	U
1108	585159002	5/16/2022	Lead-210	7.20E-02	4.59E-02	1.59E-01	pCi/m3	U
1108	587304002	6/13/2022	Lead-210	4.14E-02	2.84E-02	4.85E-02	pCi/m3	U
1108	592750002	7/11/2022	Lead-210	7.14E-02	4.39E-02	1.57E-01	pCi/m3	U
1108	592751002	8/8/2022	Lead-210	2.65E-02	1.62E-02	3.20E-02	pCi/m3	U
1108	600035002	9/5/2022	Lead-210	1.81E-02	4.84E-03	7.05E-03	pCi/m3	U
1108	600037002	10/3/2022	Lead-210	1.20E-02	2.53E-02	4.28E-02	pCi/m3	U
1108	606085002	10/31/2022	Lead-210	-2.07E-02	4.29E-02	1.32E-01	pCi/m3	U
1108	606539002	11/28/2022	Lead-210	6.82E-02	2.73E-02	5.03E-02	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	609493002	12/26/2022	Lead-210	2.37E-02	4.06E-03	5.24E-03	pCi/m3	
1108	571510001	1/24/2022	Lead-212	7.99E-04	4.60E-04	9.57E-04	pCi/m3	U
1108	574141002	2/21/2022	Lead-212	-1.03E-04	3.65E-04	1.20E-03	pCi/m3	U
1108	578170001	3/21/2022	Lead-212	-4.17E-04	5.21E-04	1.80E-03	pCi/m3	U
1108	582160002	4/18/2022	Lead-212	2.06E-04	5.30E-04	9.99E-04	pCi/m3	U
1108	585159002	5/16/2022	Lead-212	8.08E-04	7.79E-04	1.65E-03	pCi/m3	U
1108	587304002	6/13/2022	Lead-212	5.69E-04	6.18E-04	1.58E-03	pCi/m3	U
1108	592750002	7/11/2022	Lead-212	2.23E-04	6.22E-04	1.26E-03	pCi/m3	U
1108	592751002	8/8/2022	Lead-212	1.31E-03	6.36E-04	1.05E-03	pCi/m3	UI
1108	600035002	9/5/2022	Lead-212	-1.36E-04	4.65E-04	1.60E-03	pCi/m3	U
1108	600037002	10/3/2022	Lead-212	2.62E-04	5.52E-04	1.23E-03	pCi/m3	U
1108	606085002	10/31/2022	Lead-212	1.13E-03	6.46E-04	1.28E-03	pCi/m3	U
1108	606539002	11/28/2022	Lead-212	1.12E-03	4.17E-04	1.56E-03	pCi/m3	U
1108	609493002	12/26/2022	Lead-212	7.74E-04	5.68E-04	9.47E-04	pCi/m3	U
1108	571510001	1/24/2022	Lead-214	1.37E-03	8.05E-04	1.83E-03	pCi/m3	U
1108	574141002	2/21/2022	Lead-214	1.10E-03	7.80E-04	1.77E-03	pCi/m3	U
1108	578170001	3/21/2022	Lead-214	1.24E-04	6.42E-04	2.01E-03	pCi/m3	U
1108	582160002	4/18/2022	Lead-214	7.18E-04	7.12E-04	1.73E-03	pCi/m3	U
1108	585159002	5/16/2022	Lead-214	2.24E-03	8.69E-04	1.91E-03	pCi/m3	UI
1108	587304002	6/13/2022	Lead-214	3.82E-04	7.08E-04	1.56E-03	pCi/m3	U
1108	592750002	7/11/2022	Lead-214	1.33E-03	7.97E-04	1.88E-03	pCi/m3	U
1108	592751002	8/8/2022	Lead-214	7.51E-04	4.19E-04	1.51E-03	pCi/m3	U
1108	600035002	9/5/2022	Lead-214	3.73E-03	1.64E-03	2.19E-03	pCi/m3	UI
1108	600037002	10/3/2022	Lead-214	4.30E-04	4.62E-04	1.46E-03	pCi/m3	U
1108	606085002	10/31/2022	Lead-214	1.32E-03	7.70E-04	1.71E-03	pCi/m3	U
1108	606539002	11/28/2022	Lead-214	2.15E-03	9.44E-04	1.83E-03	pCi/m3	UI
1108	609493002	12/26/2022	Lead-214	1.12E-03	7.78E-04	1.24E-03	pCi/m3	U
1108	571510001	1/24/2022	Manganese-54	-2.41E-04	2.73E-04	8.04E-04	pCi/m3	U
1108	574141002	2/21/2022	Manganese-54	-1.72E-04	2.21E-04	6.90E-04	pCi/m3	U
1108	578170001	3/21/2022	Manganese-54	8.69E-05	2.43E-04	8.30E-04	pCi/m3	U
1108	582160002	4/18/2022	Manganese-54	-1.59E-04	2.55E-04	8.09E-04	pCi/m3	U
1108	585159002	5/16/2022	Manganese-54	-2.09E-04	2.44E-04	7.27E-04	pCi/m3	U
1108	587304002	6/13/2022	Manganese-54	1.85E-04	2.65E-04	9.01E-04	pCi/m3	U
1108	592750002	7/11/2022	Manganese-54	-1.14E-04	3.31E-04	9.20E-04	pCi/m3	U
1108	592751002	8/8/2022	Manganese-54	3.83E-05	2.27E-04	7.74E-04	pCi/m3	U
1108	600035002	9/5/2022	Manganese-54	3.65E-04	2.78E-04	1.01E-03	pCi/m3	U
1108	600037002	10/3/2022	Manganese-54	-1.48E-04	1.69E-04	5.08E-04	pCi/m3	U
1108	606085002	10/31/2022	Manganese-54	2.34E-04	3.08E-04	1.09E-03	pCi/m3	U
1108	606539002	11/28/2022	Manganese-54	-1.74E-04	2.45E-04	7.16E-04	pCi/m3	U
1108	609493002	12/26/2022	Manganese-54	5.72E-05	2.35E-04	7.95E-04	pCi/m3	U
1108	571510001	1/24/2022	Molybdenum-99	-1.73E+01	2.53E+01	0.00E+00	pCi/m3	U
1108	574141002	2/21/2022	Molybdenum-99	-1.12E+01	7.26E+00	0.00E+00	pCi/m3	U
1108	578170001	3/21/2022	Molybdenum-99	-2.63E+00	4.07E+01	0.00E+00	pCi/m3	U
1108	582160002	4/18/2022	Molybdenum-99	8.52E+02	4.98E+03	0.00E+00	pCi/m3	UI
1108	585159002	5/16/2022	Molybdenum-99	-1.66E+03	9.72E+02	0.00E+00	pCi/m3	U
1108	587304002	6/13/2022	Molybdenum-99	1.14E+00	1.31E+02	0.00E+00	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	592750002	7/11/2022	Molybdenum-99	-4.55E+04	1.33E+05	0.00E+00	pCi/m3	U
1108	592751002	8/8/2022	Molybdenum-99	-5.32E+01	8.97E+01	0.00E+00	pCi/m3	U
1108	600035002	9/5/2022	Molybdenum-99	-3.05E+04	2.52E+04	0.00E+00	pCi/m3	U
1108	600037002	10/3/2022	Molybdenum-99	-1.71E+00	2.36E+01	0.00E+00	pCi/m3	U
1108	606085002	10/31/2022	Molybdenum-99	9.20E+04	4.32E+04	0.00E+00	pCi/m3	UI
1108	606539002	11/28/2022	Molybdenum-99	-5.57E+00	1.04E+02	0.00E+00	pCi/m3	U
1108	609493002	12/26/2022	Molybdenum-99	3.74E+01	9.59E+01	0.00E+00	pCi/m3	UI
1108	571510001	1/24/2022	Niobium-95	-1.22E-05	2.84E-04	9.16E-04	pCi/m3	U
1108	574141002	2/21/2022	Niobium-95	4.78E-04	2.87E-04	1.09E-03	pCi/m3	U
1108	578170001	3/21/2022	Niobium-95	-3.75E-04	3.37E-04	9.67E-04	pCi/m3	U
1108	582160002	4/18/2022	Niobium-95	3.92E-04	2.60E-04	9.97E-04	pCi/m3	U
1108	585159002	5/16/2022	Niobium-95	-1.08E-05	4.60E-04	1.38E-03	pCi/m3	U
1108	587304002	6/13/2022	Niobium-95	-4.18E-04	3.96E-04	9.50E-04	pCi/m3	U
1108	592750002	7/11/2022	Niobium-95	4.91E-04	4.16E-04	1.55E-03	pCi/m3	U
1108	592751002	8/8/2022	Niobium-95	3.41E-04	2.44E-04	9.33E-04	pCi/m3	U
1108	600035002	9/5/2022	Niobium-95	5.23E-04	4.14E-04	1.52E-03	pCi/m3	U
1108	600037002	10/3/2022	Niobium-95	8.65E-04	4.23E-04	1.04E-03	pCi/m3	U
1108	606085002	10/31/2022	Niobium-95	3.65E-04	5.00E-04	1.77E-03	pCi/m3	U
1108	606539002	11/28/2022	Niobium-95	1.53E-04	3.17E-04	1.07E-03	pCi/m3	U
1108	609493002	12/26/2022	Niobium-95	-6.37E-05	3.91E-04	1.28E-03	pCi/m3	U
1108	571510001	1/24/2022	Potassium-40	1.46E-02	5.69E-03	8.35E-03	pCi/m3	UI
1108	574141002	2/21/2022	Potassium-40	8.84E-03	4.25E-03	4.45E-03	pCi/m3	UI
1108	578170001	3/21/2022	Potassium-40	1.17E-02	5.05E-03	6.71E-03	pCi/m3	UI
1108	582160002	4/18/2022	Potassium-40	1.94E-03	4.73E-03	1.57E-02	pCi/m3	U
1108	585159002	5/16/2022	Potassium-40	1.10E-02	4.89E-03	8.97E-03	pCi/m3	UI
1108	587304002	6/13/2022	Potassium-40	1.27E-02	6.24E-03	8.88E-03	pCi/m3	UI
1108	592750002	7/11/2022	Potassium-40	5.75E-03	5.37E-03	1.24E-02	pCi/m3	U
1108	592751002	8/8/2022	Potassium-40	1.45E-02	5.00E-03	8.23E-03	pCi/m3	U
1108	600035002	9/5/2022	Potassium-40	1.50E-02	7.63E-03	8.38E-03	pCi/m3	UI
1108	600037002	10/3/2022	Potassium-40	8.43E-03	5.60E-03	9.58E-03	pCi/m3	U
1108	606085002	10/31/2022	Potassium-40	1.25E-02	4.89E-03	8.42E-03	pCi/m3	UI
1108	606539002	11/28/2022	Potassium-40	-1.68E-03	3.31E-03	1.21E-02	pCi/m3	U
1108	609493002	12/26/2022	Potassium-40	-1.22E-03	4.54E-03	1.73E-02	pCi/m3	U
1108	571510001	1/24/2022	Radium-226	1.71E-03	9.12E-04	2.25E-03	pCi/m3	U
1108	574141002	2/21/2022	Radium-226	1.64E-03	8.03E-04	1.97E-03	pCi/m3	U
1108	578170001	3/21/2022	Radium-226	2.50E-03	8.46E-04	2.44E-03	pCi/m3	UI
1108	582160002	4/18/2022	Radium-226	6.93E-04	6.58E-04	1.75E-03	pCi/m3	U
1108	585159002	5/16/2022	Radium-226	3.09E-04	6.95E-04	2.36E-03	pCi/m3	U
1108	587304002	6/13/2022	Radium-226	-8.30E-04	5.31E-04	1.43E-03	pCi/m3	U
1108	592750002	7/11/2022	Radium-226	3.14E-03	9.44E-04	2.42E-03	pCi/m3	UI
1108	592751002	8/8/2022	Radium-226	1.39E-03	8.80E-04	1.41E-03	pCi/m3	U
1108	600035002	9/5/2022	Radium-226	3.73E-03	1.64E-03	2.19E-03	pCi/m3	UI
1108	600037002	10/3/2022	Radium-226	4.30E-04	4.62E-04	1.46E-03	pCi/m3	U
1108	606085002	10/31/2022	Radium-226	1.32E-03	7.70E-04	1.71E-03	pCi/m3	U
1108	606539002	11/28/2022	Radium-226	2.15E-03	9.44E-04	1.83E-03	pCi/m3	UI
1108	609493002	12/26/2022	Radium-226	1.12E-03	7.78E-04	1.24E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	571510001	1/24/2022	Radium-228	6.62E-03	1.69E-03	4.77E-03	pCi/m3	U
1108	574141002	2/21/2022	Radium-228	-7.50E-04	1.06E-03	3.46E-03	pCi/m3	U
1108	578170001	3/21/2022	Radium-228	-1.25E-03	1.15E-03	3.47E-03	pCi/m3	U
1108	582160002	4/18/2022	Radium-228	6.12E-04	1.69E-03	4.28E-03	pCi/m3	U
1108	585159002	5/16/2022	Radium-228	1.53E-04	1.47E-03	4.87E-03	pCi/m3	U
1108	587304002	6/13/2022	Radium-228	6.40E-04	1.01E-03	3.34E-03	pCi/m3	U
1108	592750002	7/11/2022	Radium-228	2.08E-03	1.28E-03	4.79E-03	pCi/m3	U
1108	592751002	8/8/2022	Radium-228	6.31E-04	1.04E-03	3.06E-03	pCi/m3	U
1108	600035002	9/5/2022	Radium-228	-1.14E-03	1.13E-03	3.23E-03	pCi/m3	U
1108	600037002	10/3/2022	Radium-228	2.76E-03	1.19E-03	3.81E-03	pCi/m3	U
1108	606085002	10/31/2022	Radium-228	-1.65E-04	9.23E-04	3.10E-03	pCi/m3	U
1108	606539002	11/28/2022	Radium-228	2.87E-03	1.26E-03	4.02E-03	pCi/m3	U
1108	609493002	12/26/2022	Radium-228	-1.42E-03	1.02E-03	3.25E-03	pCi/m3	U
1108	571510001	1/24/2022	Ruthenium-103	4.72E-04	2.93E-04	1.11E-03	pCi/m3	U
1108	574141002	2/21/2022	Ruthenium-103	2.50E-04	2.89E-04	9.23E-04	pCi/m3	U
1108	578170001	3/21/2022	Ruthenium-103	-2.19E-04	3.65E-04	1.17E-03	pCi/m3	U
1108	582160002	4/18/2022	Ruthenium-103	-8.38E-04	5.27E-04	1.47E-03	pCi/m3	U
1108	585159002	5/16/2022	Ruthenium-103	-9.81E-04	5.99E-04	1.65E-03	pCi/m3	U
1108	587304002	6/13/2022	Ruthenium-103	-5.60E-04	3.58E-04	1.03E-03	pCi/m3	U
1108	592750002	7/11/2022	Ruthenium-103	1.82E-04	7.40E-04	2.54E-03	pCi/m3	U
1108	592751002	8/8/2022	Ruthenium-103	7.69E-06	3.59E-04	1.16E-03	pCi/m3	U
1108	600035002	9/5/2022	Ruthenium-103	4.06E-07	6.38E-04	2.02E-03	pCi/m3	U
1108	600037002	10/3/2022	Ruthenium-103	-8.02E-05	3.25E-04	1.04E-03	pCi/m3	U
1108	606085002	10/31/2022	Ruthenium-103	8.98E-04	1.21E-03	1.68E-03	pCi/m3	U
1108	606539002	11/28/2022	Ruthenium-103	-4.19E-04	3.74E-04	1.12E-03	pCi/m3	U
1108	609493002	12/26/2022	Ruthenium-103	-4.38E-04	3.76E-04	1.17E-03	pCi/m3	U
1108	571510001	1/24/2022	Ruthenium-106	3.29E-04	1.76E-03	5.87E-03	pCi/m3	U
1108	574141002	2/21/2022	Ruthenium-106	-2.50E-03	2.29E-03	6.66E-03	pCi/m3	U
1108	578170001	3/21/2022	Ruthenium-106	2.20E-03	2.44E-03	8.72E-03	pCi/m3	U
1108	582160002	4/18/2022	Ruthenium-106	1.10E-03	2.29E-03	7.74E-03	pCi/m3	U
1108	585159002	5/16/2022	Ruthenium-106	2.15E-03	2.34E-03	8.38E-03	pCi/m3	U
1108	587304002	6/13/2022	Ruthenium-106	-1.09E-03	2.09E-03	6.56E-03	pCi/m3	U
1108	592750002	7/11/2022	Ruthenium-106	5.52E-04	2.17E-03	7.43E-03	pCi/m3	U
1108	592751002	8/8/2022	Ruthenium-106	-5.22E-04	2.17E-03	6.76E-03	pCi/m3	U
1108	600035002	9/5/2022	Ruthenium-106	3.03E-03	2.26E-03	8.24E-03	pCi/m3	U
1108	600037002	10/3/2022	Ruthenium-106	1.41E-03	1.84E-03	6.32E-03	pCi/m3	U
1108	606085002	10/31/2022	Ruthenium-106	-5.99E-04	2.39E-03	7.93E-03	pCi/m3	U
1108	606539002	11/28/2022	Ruthenium-106	-1.30E-03	1.81E-03	5.44E-03	pCi/m3	U
1108	609493002	12/26/2022	Ruthenium-106	-1.46E-03	1.93E-03	5.25E-03	pCi/m3	U
1108	571510001	1/24/2022	Selenium-75	-1.26E-04	2.86E-04	8.64E-04	pCi/m3	U
1108	574141002	2/21/2022	Selenium-75	1.26E-04	2.51E-04	8.65E-04	pCi/m3	U
1108	578170001	3/21/2022	Selenium-75	4.23E-04	3.24E-04	1.12E-03	pCi/m3	U
1108	582160002	4/18/2022	Selenium-75	-2.79E-04	3.24E-04	1.06E-03	pCi/m3	U
1108	585159002	5/16/2022	Selenium-75	8.05E-04	3.70E-04	1.26E-03	pCi/m3	U
1108	587304002	6/13/2022	Selenium-75	2.86E-04	2.91E-04	9.64E-04	pCi/m3	U
1108	592750002	7/11/2022	Selenium-75	-6.58E-04	3.61E-04	1.02E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	592751002	8/8/2022	Selenium-75	-2.08E-05	2.83E-04	8.88E-04	pCi/m3	U
1108	600035002	9/5/2022	Selenium-75	7.69E-05	3.45E-04	1.19E-03	pCi/m3	U
1108	600037002	10/3/2022	Selenium-75	1.77E-04	2.51E-04	8.86E-04	pCi/m3	U
1108	606085002	10/31/2022	Selenium-75	-2.07E-04	3.13E-04	9.67E-04	pCi/m3	U
1108	606539002	11/28/2022	Selenium-75	-5.45E-05	2.84E-04	9.25E-04	pCi/m3	U
1108	609493002	12/26/2022	Selenium-75	-4.68E-04	2.81E-04	7.99E-04	pCi/m3	U
1108	571510001	1/24/2022	Silver-108m	3.79E-04	1.59E-04	6.18E-04	pCi/m3	U
1108	574141002	2/21/2022	Silver-108m	1.49E-04	1.57E-04	5.48E-04	pCi/m3	U
1108	578170001	3/21/2022	Silver-108m	8.19E-05	1.70E-04	6.01E-04	pCi/m3	U
1108	582160002	4/18/2022	Silver-108m	1.30E-04	1.82E-04	6.35E-04	pCi/m3	U
1108	585159002	5/16/2022	Silver-108m	2.94E-04	1.81E-04	6.55E-04	pCi/m3	U
1108	587304002	6/13/2022	Silver-108m	-9.63E-05	1.36E-04	4.29E-04	pCi/m3	U
1108	592750002	7/11/2022	Silver-108m	-1.59E-04	1.85E-04	5.93E-04	pCi/m3	U
1108	592751002	8/8/2022	Silver-108m	-2.67E-05	1.49E-04	4.76E-04	pCi/m3	U
1108	600035002	9/5/2022	Silver-108m	2.15E-05	1.61E-04	5.41E-04	pCi/m3	U
1108	600037002	10/3/2022	Silver-108m	-2.30E-06	1.64E-04	5.40E-04	pCi/m3	U
1108	606085002	10/31/2022	Silver-108m	-1.25E-04	1.86E-04	5.59E-04	pCi/m3	U
1108	606539002	11/28/2022	Silver-108m	9.65E-06	1.57E-04	5.23E-04	pCi/m3	U
1108	609493002	12/26/2022	Silver-108m	-9.73E-05	1.92E-04	5.73E-04	pCi/m3	U
1108	571510001	1/24/2022	Silver-110m	-3.40E-04	3.10E-04	8.50E-04	pCi/m3	U
1108	574141002	2/21/2022	Silver-110m	-2.13E-04	3.38E-04	1.07E-03	pCi/m3	U
1108	578170001	3/21/2022	Silver-110m	2.79E-04	3.17E-04	1.16E-03	pCi/m3	U
1108	582160002	4/18/2022	Silver-110m	1.17E-04	3.49E-04	1.22E-03	pCi/m3	U
1108	585159002	5/16/2022	Silver-110m	4.02E-04	4.12E-04	1.47E-03	pCi/m3	U
1108	587304002	6/13/2022	Silver-110m	-1.26E-04	2.90E-04	8.70E-04	pCi/m3	U
1108	592750002	7/11/2022	Silver-110m	1.74E-04	4.13E-04	1.42E-03	pCi/m3	U
1108	592751002	8/8/2022	Silver-110m	3.94E-04	1.55E-04	7.23E-04	pCi/m3	U
1108	600035002	9/5/2022	Silver-110m	4.03E-05	3.92E-04	1.26E-03	pCi/m3	U
1108	600037002	10/3/2022	Silver-110m	-3.49E-05	3.03E-04	1.01E-03	pCi/m3	U
1108	606085002	10/31/2022	Silver-110m	-4.60E-04	3.65E-04	1.05E-03	pCi/m3	U
1108	606539002	11/28/2022	Silver-110m	-3.34E-04	3.08E-04	9.26E-04	pCi/m3	U
1108	609493002	12/26/2022	Silver-110m	2.17E-04	2.65E-04	9.67E-04	pCi/m3	U
1108	571510001	1/24/2022	Tellurium-132	-2.75E-01	4.80E-01	0.00E+00	pCi/m3	U
1108	574141002	2/21/2022	Tellurium-132	1.09E-01	1.79E-01	0.00E+00	pCi/m3	UI
1108	578170001	3/21/2022	Tellurium-132	5.50E-01	8.83E-01	0.00E+00	pCi/m3	UI
1108	582160002	4/18/2022	Tellurium-132	2.30E+01	6.22E+01	0.00E+00	pCi/m3	UI
1108	585159002	5/16/2022	Tellurium-132	-8.34E+00	1.33E+01	0.00E+00	pCi/m3	U
1108	587304002	6/13/2022	Tellurium-132	2.54E-01	2.20E+00	0.00E+00	pCi/m3	UI
1108	592750002	7/11/2022	Tellurium-132	5.59E+02	9.67E+02	0.00E+00	pCi/m3	UI
1108	592751002	8/8/2022	Tellurium-132	3.48E+00	1.70E+00	0.00E+00	pCi/m3	UI
1108	600035002	9/5/2022	Tellurium-132	-1.93E+02	2.63E+02	0.00E+00	pCi/m3	U
1108	600037002	10/3/2022	Tellurium-132	-3.61E-01	4.04E-01	0.00E+00	pCi/m3	U
1108	606085002	10/31/2022	Tellurium-132	-4.42E+01	3.41E+02	0.00E+00	pCi/m3	U
1108	606539002	11/28/2022	Tellurium-132	2.95E+00	2.01E+00	0.00E+00	pCi/m3	UI
1108	609493002	12/26/2022	Tellurium-132	-1.88E+00	2.31E+00	0.00E+00	pCi/m3	U
1108	571510001	1/24/2022	Thallium-208	1.69E-05	2.83E-04	9.01E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	574141002	2/21/2022	Thallium-208	7.32E-04	3.66E-04	4.96E-04	pCi/m3	UI
1108	578170001	3/21/2022	Thallium-208	8.90E-04	4.72E-04	5.86E-04	pCi/m3	UI
1108	582160002	4/18/2022	Thallium-208	-1.73E-04	2.75E-04	8.38E-04	pCi/m3	U
1108	585159002	5/16/2022	Thallium-208	-1.73E-04	3.12E-04	1.00E-03	pCi/m3	U
1108	587304002	6/13/2022	Thallium-208	6.56E-04	4.11E-04	5.69E-04	pCi/m3	UI
1108	592750002	7/11/2022	Thallium-208	9.06E-05	2.77E-04	9.53E-04	pCi/m3	U
1108	592751002	8/8/2022	Thallium-208	5.27E-05	2.58E-04	7.57E-04	pCi/m3	U
1108	600035002	9/5/2022	Thallium-208	1.22E-03	3.88E-04	6.40E-04	pCi/m3	
1108	600037002	10/3/2022	Thallium-208	1.27E-04	2.44E-04	8.86E-04	pCi/m3	U
1108	606085002	10/31/2022	Thallium-208	9.40E-04	3.75E-04	7.42E-04	pCi/m3	
1108	606539002	11/28/2022	Thallium-208	1.13E-03	4.30E-04	6.45E-04	pCi/m3	
1108	609493002	12/26/2022	Thallium-208	2.54E-04	5.73E-04	6.46E-04	pCi/m3	U
1108	571510001	1/24/2022	Thorium-228	7.99E-04	4.60E-04	9.57E-04	pCi/m3	U
1108	574141002	2/21/2022	Thorium-228	-1.03E-04	3.65E-04	1.20E-03	pCi/m3	U
1108	578170001	3/21/2022	Thorium-228	-4.17E-04	5.21E-04	1.80E-03	pCi/m3	U
1108	582160002	4/18/2022	Thorium-228	2.06E-04	5.30E-04	9.99E-04	pCi/m3	U
1108	585159002	5/16/2022	Thorium-228	8.08E-04	7.79E-04	1.65E-03	pCi/m3	U
1108	587304002	6/13/2022	Thorium-228	5.69E-04	6.18E-04	1.58E-03	pCi/m3	U
1108	592750002	7/11/2022	Thorium-228	2.23E-04	6.22E-04	1.26E-03	pCi/m3	U
1108	592751002	8/8/2022	Thorium-228	1.31E-03	6.36E-04	1.05E-03	pCi/m3	UI
1108	600035002	9/5/2022	Thorium-228	-1.36E-04	4.65E-04	1.60E-03	pCi/m3	U
1108	600037002	10/3/2022	Thorium-228	2.62E-04	5.52E-04	1.23E-03	pCi/m3	U
1108	606085002	10/31/2022	Thorium-228	1.13E-03	6.46E-04	1.28E-03	pCi/m3	U
1108	606539002	11/28/2022	Thorium-228	1.12E-03	4.17E-04	1.56E-03	pCi/m3	U
1108	609493002	12/26/2022	Thorium-228	7.74E-04	5.68E-04	9.47E-04	pCi/m3	U
1108	571510001	1/24/2022	Thorium-230	1.71E-03	9.12E-04	2.25E-03	pCi/m3	U
1108	574141002	2/21/2022	Thorium-230	1.64E-03	8.03E-04	1.97E-03	pCi/m3	U
1108	578170001	3/21/2022	Thorium-230	2.50E-03	8.46E-04	2.44E-03	pCi/m3	UI
1108	582160002	4/18/2022	Thorium-230	6.93E-04	6.58E-04	1.75E-03	pCi/m3	U
1108	585159002	5/16/2022	Thorium-230	3.09E-04	6.95E-04	2.36E-03	pCi/m3	U
1108	587304002	6/13/2022	Thorium-230	-8.30E-04	5.31E-04	1.43E-03	pCi/m3	U
1108	592750002	7/11/2022	Thorium-230	3.14E-03	9.44E-04	2.42E-03	pCi/m3	UI
1108	592751002	8/8/2022	Thorium-230	1.39E-03	8.80E-04	1.41E-03	pCi/m3	U
1108	600035002	9/5/2022	Thorium-230	3.73E-03	1.64E-03	2.19E-03	pCi/m3	UI
1108	600037002	10/3/2022	Thorium-230	4.30E-04	4.62E-04	1.46E-03	pCi/m3	U
1108	606085002	10/31/2022	Thorium-230	1.32E-03	7.70E-04	1.71E-03	pCi/m3	U
1108	606539002	11/28/2022	Thorium-230	2.15E-03	9.44E-04	1.83E-03	pCi/m3	UI
1108	609493002	12/26/2022	Thorium-230	1.12E-03	7.78E-04	1.24E-03	pCi/m3	U
1108	571510001	1/24/2022	Thorium-232	6.62E-03	1.69E-03	4.77E-03	pCi/m3	UI
1108	574141002	2/21/2022	Thorium-232	-7.50E-04	1.06E-03	3.46E-03	pCi/m3	U
1108	578170001	3/21/2022	Thorium-232	-1.25E-03	1.15E-03	3.47E-03	pCi/m3	U
1108	582160002	4/18/2022	Thorium-232	6.12E-04	1.69E-03	4.28E-03	pCi/m3	U
1108	585159002	5/16/2022	Thorium-232	1.53E-04	1.47E-03	4.87E-03	pCi/m3	U
1108	587304002	6/13/2022	Thorium-232	6.40E-04	1.01E-03	3.34E-03	pCi/m3	U
1108	592750002	7/11/2022	Thorium-232	2.08E-03	1.28E-03	4.79E-03	pCi/m3	U
1108	592751002	8/8/2022	Thorium-232	6.31E-04	1.04E-03	3.06E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	600035002	9/5/2022	Thorium-232	-1.14E-03	1.13E-03	3.23E-03	pCi/m3	U
1108	600037002	10/3/2022	Thorium-232	2.76E-03	1.19E-03	3.81E-03	pCi/m3	U
1108	606085002	10/31/2022	Thorium-232	-1.65E-04	9.23E-04	3.10E-03	pCi/m3	U
1108	606539002	11/28/2022	Thorium-232	2.87E-03	1.26E-03	4.02E-03	pCi/m3	U
1108	609493002	12/26/2022	Thorium-232	-1.42E-03	1.02E-03	3.25E-03	pCi/m3	U
1108	571510001	1/24/2022	Thorium-234	1.67E-03	7.37E-03	2.01E-02	pCi/m3	U
1108	574141002	2/21/2022	Thorium-234	2.71E-02	9.81E-03	1.96E-02	pCi/m3	UI
1108	578170001	3/21/2022	Thorium-234	4.72E-03	3.95E-03	7.42E-03	pCi/m3	U
1108	582160002	4/18/2022	Thorium-234	-3.56E-04	7.10E-03	2.22E-02	pCi/m3	U
1108	585159002	5/16/2022	Thorium-234	-5.67E-03	1.23E-02	3.85E-02	pCi/m3	U
1108	587304002	6/13/2022	Thorium-234	3.86E-04	8.81E-03	1.68E-02	pCi/m3	U
1108	592750002	7/11/2022	Thorium-234	6.68E-03	1.42E-02	2.39E-02	pCi/m3	U
1108	592751002	8/8/2022	Thorium-234	-3.11E-03	5.32E-03	1.74E-02	pCi/m3	U
1108	600035002	9/5/2022	Thorium-234	-4.62E-03	2.99E-03	8.62E-03	pCi/m3	U
1108	600037002	10/3/2022	Thorium-234	-4.67E-03	6.04E-03	2.01E-02	pCi/m3	U
1108	606085002	10/31/2022	Thorium-234	3.78E-02	2.39E-02	2.88E-02	pCi/m3	UI
1108	606539002	11/28/2022	Thorium-234	-4.98E-03	5.94E-03	1.91E-02	pCi/m3	U
1108	609493002	12/26/2022	Thorium-234	1.26E-02	4.85E-03	5.79E-03	pCi/m3	UI
1108	571510001	1/24/2022	Uranium-234	1.71E-03	9.12E-04	2.25E-03	pCi/m3	U
1108	574141002	2/21/2022	Uranium-234	1.64E-03	8.03E-04	1.97E-03	pCi/m3	U
1108	578170001	3/21/2022	Uranium-234	2.50E-03	8.46E-04	2.44E-03	pCi/m3	UI
1108	582160002	4/18/2022	Uranium-234	6.93E-04	6.58E-04	1.75E-03	pCi/m3	U
1108	585159002	5/16/2022	Uranium-234	3.09E-04	6.95E-04	2.36E-03	pCi/m3	U
1108	587304002	6/13/2022	Uranium-234	-8.30E-04	5.31E-04	1.43E-03	pCi/m3	U
1108	592750002	7/11/2022	Uranium-234	3.14E-03	9.44E-04	2.42E-03	pCi/m3	UI
1108	592751002	8/8/2022	Uranium-234	1.39E-03	8.80E-04	1.41E-03	pCi/m3	U
1108	600035002	9/5/2022	Uranium-234	3.73E-03	1.64E-03	2.19E-03	pCi/m3	UI
1108	600037002	10/3/2022	Uranium-234	4.30E-04	4.62E-04	1.46E-03	pCi/m3	U
1108	606085002	10/31/2022	Uranium-234	1.32E-03	7.70E-04	1.71E-03	pCi/m3	U
1108	606539002	11/28/2022	Uranium-234	2.15E-03	9.44E-04	1.83E-03	pCi/m3	UI
1108	609493002	12/26/2022	Uranium-234	1.12E-03	7.78E-04	1.24E-03	pCi/m3	U
1108	571510001	1/24/2022	Zinc-65	-7.23E-04	5.01E-04	1.40E-03	pCi/m3	U
1108	574141002	2/21/2022	Zinc-65	-2.76E-04	4.56E-04	1.38E-03	pCi/m3	U
1108	578170001	3/21/2022	Zinc-65	-2.74E-04	5.90E-04	1.76E-03	pCi/m3	U
1108	582160002	4/18/2022	Zinc-65	-1.89E-03	6.91E-04	1.42E-03	pCi/m3	U
1108	585159002	5/16/2022	Zinc-65	-8.22E-04	7.72E-04	2.20E-03	pCi/m3	U
1108	587304002	6/13/2022	Zinc-65	-1.13E-04	4.82E-04	1.58E-03	pCi/m3	U
1108	592750002	7/11/2022	Zinc-65	9.99E-04	5.75E-04	2.27E-03	pCi/m3	U
1108	592751002	8/8/2022	Zinc-65	2.65E-04	5.35E-04	1.68E-03	pCi/m3	U
1108	600035002	9/5/2022	Zinc-65	9.06E-04	7.38E-04	2.76E-03	pCi/m3	U
1108	600037002	10/3/2022	Zinc-65	7.07E-04	5.00E-04	1.90E-03	pCi/m3	U
1108	606085002	10/31/2022	Zinc-65	-6.44E-05	8.45E-04	2.42E-03	pCi/m3	U
1108	606539002	11/28/2022	Zinc-65	9.44E-05	5.55E-04	1.88E-03	pCi/m3	U
1108	609493002	12/26/2022	Zinc-65	-6.53E-04	7.40E-04	2.03E-03	pCi/m3	U
1108	571510001	1/24/2022	Zirconium-95	3.20E-04	4.23E-04	1.50E-03	pCi/m3	U
1108	574141002	2/21/2022	Zirconium-95	1.49E-04	5.12E-04	1.77E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	578170001	3/21/2022	Zirconium-95	9.20E-04	5.49E-04	2.15E-03	pCi/m3	U
1108	582160002	4/18/2022	Zirconium-95	-2.39E-05	6.39E-04	2.02E-03	pCi/m3	U
1108	585159002	5/16/2022	Zirconium-95	3.29E-04	6.31E-04	2.20E-03	pCi/m3	U
1108	587304002	6/13/2022	Zirconium-95	-6.71E-05	6.56E-04	1.86E-03	pCi/m3	U
1108	592750002	7/11/2022	Zirconium-95	-8.91E-04	8.00E-04	2.34E-03	pCi/m3	U
1108	592751002	8/8/2022	Zirconium-95	-4.33E-04	5.24E-04	1.64E-03	pCi/m3	U
1108	600035002	9/5/2022	Zirconium-95	1.15E-04	6.98E-04	2.29E-03	pCi/m3	U
1108	600037002	10/3/2022	Zirconium-95	5.66E-04	5.41E-04	1.99E-03	pCi/m3	U
1108	606085002	10/31/2022	Zirconium-95	5.50E-04	7.41E-04	2.66E-03	pCi/m3	U
1108	606539002	11/28/2022	Zirconium-95	-3.51E-04	5.08E-04	1.48E-03	pCi/m3	U
1108	609493002	12/26/2022	Zirconium-95	2.16E-04	6.16E-04	1.92E-03	pCi/m3	U
1109	571510006	1/24/2022	Actinium-228	2.86E-03	2.34E-03	8.39E-03	pCi/m3	U
1109	574141007	2/21/2022	Actinium-228	-3.33E-04	1.33E-03	4.34E-03	pCi/m3	U
1109	578170006	3/21/2022	Actinium-228	1.18E-03	1.33E-03	3.98E-03	pCi/m3	U
1109	582160007	4/18/2022	Actinium-228	2.81E-03	1.30E-03	5.26E-03	pCi/m3	U
1109	585159007	5/16/2022	Actinium-228	2.02E-04	1.61E-03	3.82E-03	pCi/m3	U
1109	587304007	6/13/2022	Actinium-228	4.65E-04	1.49E-03	4.92E-03	pCi/m3	U
1109	592750007	7/11/2022	Actinium-228	-8.48E-04	1.11E-03	3.57E-03	pCi/m3	U
1109	592751007	8/8/2022	Actinium-228	6.83E-04	1.35E-03	3.69E-03	pCi/m3	U
1109	600035007	9/5/2022	Actinium-228	4.08E-04	1.00E-03	3.36E-03	pCi/m3	U
1109	600037007	10/3/2022	Actinium-228	-2.33E-03	2.03E-03	6.70E-03	pCi/m3	U
1109	606085007	10/31/2022	Actinium-228	1.80E-03	9.25E-04	3.49E-03	pCi/m3	U
1109	606539007	11/28/2022	Actinium-228	2.24E-05	2.32E-03	7.28E-03	pCi/m3	U
1109	609493007	12/26/2022	Actinium-228	3.50E-03	2.60E-03	7.45E-03	pCi/m3	U
1109	571510006	1/24/2022	Americium-241	-2.26E-04	6.38E-04	2.16E-03	pCi/m3	U
1109	574141007	2/21/2022	Americium-241	-8.09E-04	8.48E-04	2.57E-03	pCi/m3	U
1109	578170006	3/21/2022	Americium-241	-4.73E-04	1.19E-03	3.45E-03	pCi/m3	U
1109	582160007	4/18/2022	Americium-241	-1.10E-05	1.71E-04	5.76E-04	pCi/m3	U
1109	585159007	5/16/2022	Americium-241	7.42E-04	8.50E-04	2.86E-03	pCi/m3	U
1109	587304007	6/13/2022	Americium-241	-1.53E-03	1.18E-03	3.12E-03	pCi/m3	U
1109	592750007	7/11/2022	Americium-241	-1.03E-03	8.09E-04	2.43E-03	pCi/m3	U
1109	592751007	8/8/2022	Americium-241	-8.67E-04	1.11E-03	3.45E-03	pCi/m3	U
1109	600035007	9/5/2022	Americium-241	6.19E-05	1.01E-03	3.50E-03	pCi/m3	U
1109	600037007	10/3/2022	Americium-241	-2.79E-04	6.88E-04	2.10E-03	pCi/m3	U
1109	606085007	10/31/2022	Americium-241	1.60E-03	6.09E-04	2.92E-03	pCi/m3	U
1109	606539007	11/28/2022	Americium-241	1.87E-04	6.11E-04	2.08E-03	pCi/m3	U
1109	609493007	12/26/2022	Americium-241	-6.29E-04	6.57E-04	2.01E-03	pCi/m3	U
1109	571510006	1/24/2022	Antimony-124	2.68E-03	1.58E-03	6.41E-03	pCi/m3	U
1109	574141007	2/21/2022	Antimony-124	-1.23E-04	1.04E-03	3.38E-03	pCi/m3	U
1109	578170006	3/21/2022	Antimony-124	8.94E-04	8.23E-04	3.19E-03	pCi/m3	U
1109	582160007	4/18/2022	Antimony-124	8.27E-04	1.41E-03	5.24E-03	pCi/m3	U
1109	585159007	5/16/2022	Antimony-124	6.24E-04	9.08E-04	3.35E-03	pCi/m3	U
1109	587304007	6/13/2022	Antimony-124	1.45E-03	1.04E-03	4.17E-03	pCi/m3	U
1109	592750007	7/11/2022	Antimony-124	-6.37E-04	9.54E-04	2.68E-03	pCi/m3	U
1109	592751007	8/8/2022	Antimony-124	-6.29E-04	6.90E-04	1.66E-03	pCi/m3	U
1109	600035007	9/5/2022	Antimony-124	1.60E-05	5.91E-04	1.98E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	600037007	10/3/2022	Antimony-124	1.58E-03	1.85E-03	6.68E-03	pCi/m3	U
1109	606085007	10/31/2022	Antimony-124	7.22E-04	1.01E-03	3.79E-03	pCi/m3	U
1109	606539007	11/28/2022	Antimony-124	1.67E-03	1.81E-03	6.66E-03	pCi/m3	U
1109	609493007	12/26/2022	Antimony-124	1.52E-03	1.68E-03	6.23E-03	pCi/m3	U
1109	571510006	1/24/2022	Antimony-125	1.91E-03	9.84E-04	3.04E-03	pCi/m3	U
1109	574141007	2/21/2022	Antimony-125	-5.22E-04	5.83E-04	1.82E-03	pCi/m3	U
1109	578170006	3/21/2022	Antimony-125	4.26E-04	5.39E-04	1.89E-03	pCi/m3	U
1109	582160007	4/18/2022	Antimony-125	-3.44E-04	6.36E-04	2.00E-03	pCi/m3	U
1109	585159007	5/16/2022	Antimony-125	1.97E-04	6.17E-04	1.89E-03	pCi/m3	U
1109	587304007	6/13/2022	Antimony-125	-7.82E-04	7.51E-04	2.09E-03	pCi/m3	U
1109	592750007	7/11/2022	Antimony-125	1.01E-03	5.04E-04	1.91E-03	pCi/m3	U
1109	592751007	8/8/2022	Antimony-125	-1.81E-04	5.95E-04	1.92E-03	pCi/m3	U
1109	600035007	9/5/2022	Antimony-125	8.15E-04	4.89E-04	1.80E-03	pCi/m3	U
1109	600037007	10/3/2022	Antimony-125	-6.24E-04	9.77E-04	2.84E-03	pCi/m3	U
1109	606085007	10/31/2022	Antimony-125	2.49E-04	5.13E-04	1.71E-03	pCi/m3	U
1109	606539007	11/28/2022	Antimony-125	-1.45E-03	9.82E-04	2.97E-03	pCi/m3	U
1109	609493007	12/26/2022	Antimony-125	-4.61E-04	9.24E-04	2.99E-03	pCi/m3	U
1109	571510006	1/24/2022	Barium-140	8.83E-03	8.99E-03	3.23E-02	pCi/m3	U
1109	574141007	2/21/2022	Barium-140	2.33E-03	3.57E-03	1.24E-02	pCi/m3	U
1109	578170006	3/21/2022	Barium-140	3.37E-03	6.92E-03	2.35E-02	pCi/m3	U
1109	582160007	4/18/2022	Barium-140	-4.14E-02	1.74E-02	3.47E-02	pCi/m3	U
1109	585159007	5/16/2022	Barium-140	-7.15E-03	1.28E-02	3.98E-02	pCi/m3	U
1109	587304007	6/13/2022	Barium-140	-9.47E-03	9.14E-03	2.68E-02	pCi/m3	U
1109	592750007	7/11/2022	Barium-140	-5.36E-02	3.74E-02	1.10E-01	pCi/m3	U
1109	592751007	8/8/2022	Barium-140	-5.46E-03	7.81E-03	2.38E-02	pCi/m3	U
1109	600035007	9/5/2022	Barium-140	3.70E-02	2.53E-02	8.85E-02	pCi/m3	U
1109	600037007	10/3/2022	Barium-140	1.74E-02	1.05E-02	3.87E-02	pCi/m3	U
1109	606085007	10/31/2022	Barium-140	-5.40E-03	2.30E-02	7.54E-02	pCi/m3	U
1109	606539007	11/28/2022	Barium-140	-8.89E-04	1.36E-02	4.48E-02	pCi/m3	U
1109	609493007	12/26/2022	Barium-140	4.65E-03	1.36E-02	4.63E-02	pCi/m3	U
1109	571510006	1/24/2022	Beryllium-7	8.77E-02	1.16E-02	1.72E-02	pCi/m3	U
1109	574141007	2/21/2022	Beryllium-7	1.36E-01	8.65E-03	7.55E-03	pCi/m3	U
1109	578170006	3/21/2022	Beryllium-7	1.17E-01	9.30E-03	8.84E-03	pCi/m3	U
1109	582160007	4/18/2022	Beryllium-7	1.53E-01	1.29E-02	1.28E-02	pCi/m3	U
1109	585159007	5/16/2022	Beryllium-7	1.40E-01	1.08E-02	1.12E-02	pCi/m3	U
1109	587304007	6/13/2022	Beryllium-7	1.23E-01	1.06E-02	1.11E-02	pCi/m3	U
1109	592750007	7/11/2022	Beryllium-7	1.30E-01	9.55E-03	1.16E-02	pCi/m3	U
1109	592751007	8/8/2022	Beryllium-7	1.22E-01	9.83E-03	7.93E-03	pCi/m3	U
1109	600035007	9/5/2022	Beryllium-7	9.98E-02	1.04E-02	1.02E-02	pCi/m3	U
1109	600037007	10/3/2022	Beryllium-7	1.28E-01	1.36E-02	1.44E-02	pCi/m3	U
1109	606085007	10/31/2022	Beryllium-7	1.21E-01	1.16E-02	1.47E-02	pCi/m3	U
1109	606539007	11/28/2022	Beryllium-7	1.03E-01	1.32E-02	1.72E-02	pCi/m3	U
1109	609493007	12/26/2022	Beryllium-7	9.85E-02	1.20E-02	1.93E-02	pCi/m3	U
1109	566163015	1/3/2022	BETA	2.15E-02	1.35E-03	1.58E-03	pCi/m3	U
1109	566828013	1/10/2022	BETA	4.14E-02	1.89E-03	1.59E-03	pCi/m3	U
1109	567642015	1/18/2022	BETA	4.48E-02	1.82E-03	1.34E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	568219013	1/24/2022	BETA	4.92E-02	2.34E-03	2.06E-03	pCi/m3	
1109	568939015	1/31/2022	BETA	5.14E-02	2.27E-03	1.85E-03	pCi/m3	
1109	569538021	2/7/2022	BETA	4.18E-02	1.92E-03	1.51E-03	pCi/m3	
1109	570263013	2/14/2022	BETA	5.05E-02	2.05E-03	1.45E-03	pCi/m3	
1109	571003015	2/21/2022	BETA	3.77E-02	1.75E-03	1.37E-03	pCi/m3	
1109	571635013	2/28/2022	BETA	2.77E-02	1.58E-03	1.55E-03	pCi/m3	
1109	572313015	3/7/2022	BETA	6.24E-02	2.29E-03	1.56E-03	pCi/m3	
1109	573042015	3/14/2022	BETA	3.28E-02	1.68E-03	1.49E-03	pCi/m3	
1109	573808011	3/21/2022	BETA	2.28E-02	1.40E-03	1.44E-03	pCi/m3	
1109	574541015	3/28/2022	BETA	2.40E-02	1.46E-03	1.47E-03	pCi/m3	
1109	575128013	4/4/2022	BETA	3.44E-02	1.75E-03	1.57E-03	pCi/m3	
1109	576089013	4/11/2022	BETA	3.00E-02	1.69E-03	1.63E-03	pCi/m3	
1109	576842013	4/18/2022	BETA	3.14E-02	1.65E-03	1.55E-03	pCi/m3	
1109	577600013	4/25/2022	BETA	4.09E-02	1.90E-03	1.54E-03	pCi/m3	
1109	578408013	5/3/2022	BETA	3.73E-02	1.72E-03	1.48E-03	pCi/m3	
1109	579260017	5/9/2022	BETA	2.55E-02	1.69E-03	1.88E-03	pCi/m3	
1109	580039013	5/16/2022	BETA	3.46E-02	1.72E-03	1.47E-03	pCi/m3	
1109	580690013	5/23/2022	BETA	4.28E-02	1.98E-03	1.69E-03	pCi/m3	
1109	581375013	5/30/2022	BETA	2.92E-02	1.64E-03	1.65E-03	pCi/m3	
1109	581944005	6/6/2022	BETA	3.50E-02	1.61E-03	1.31E-03	pCi/m3	
1109	582792013	6/13/2022	BETA	2.99E-02	1.42E-03	1.20E-03	pCi/m3	
1109	583523015	6/20/2022	BETA	3.53E-02	1.58E-03	1.29E-03	pCi/m3	
1109	584133013	6/27/2022	BETA	4.37E-02	1.74E-03	1.28E-03	pCi/m3	
1109	584820013	7/4/2022	BETA	2.43E-02	1.27E-03	1.15E-03	pCi/m3	
1109	585556013	7/11/2022	BETA	2.39E-02	1.32E-03	1.44E-03	pCi/m3	
1109	586336013	7/18/2022	BETA	3.92E-02	1.71E-03	1.55E-03	pCi/m3	
1109	587158013	7/25/2022	BETA	2.34E-02	1.23E-03	1.14E-03	pCi/m3	
1109	587887013	8/1/2022	BETA	2.25E-02	1.34E-03	1.54E-03	pCi/m3	
1109	588821015	8/8/2022	BETA	2.18E-02	1.24E-03	1.25E-03	pCi/m3	
1109	589631015	8/15/2022	BETA	3.07E-02	1.45E-03	1.21E-03	pCi/m3	
1109	590529013	8/22/2022	BETA	4.49E-02	1.76E-03	1.27E-03	pCi/m3	
1109	590546017	8/29/2022	BETA	2.62E-02	1.35E-03	1.19E-03	pCi/m3	
1109	592023013	9/5/2022	BETA	2.82E-02	1.39E-03	1.18E-03	pCi/m3	
1109	592701013	9/12/2022	BETA	2.64E-02	1.34E-03	1.15E-03	pCi/m3	
1109	593604015	9/19/2022	BETA	4.70E-02	1.77E-03	1.17E-03	pCi/m3	
1109	594422013	9/26/2022	BETA	5.00E-02	1.84E-03	1.20E-03	pCi/m3	
1109	594990013	10/3/2022	BETA	3.01E-02	1.42E-03	1.15E-03	pCi/m3	
1109	596158013	10/10/2022	BETA	4.60E-02	1.79E-03	1.23E-03	pCi/m3	
1109	597076013	10/17/2022	BETA	4.58E-02	1.81E-03	1.28E-03	pCi/m3	
1109	597935013	10/24/2022	BETA	4.40E-02	1.70E-03	1.15E-03	pCi/m3	
1109	598808013	10/31/2022	BETA	3.13E-02	1.40E-03	1.09E-03	pCi/m3	
1109	599716013	11/7/2022	BETA	4.65E-02	1.71E-03	1.12E-03	pCi/m3	
1109	600681013	11/14/2022	BETA	3.31E-02	1.46E-03	1.13E-03	pCi/m3	
1109	601449013	11/21/2022	BETA	4.54E-02	1.72E-03	1.16E-03	pCi/m3	
1109	602125017	11/28/2022	BETA	4.18E-02	1.70E-03	1.20E-03	pCi/m3	
1109	602823017	12/5/2022	BETA	4.67E-02	1.80E-03	1.27E-03	pCi/m3	

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	603758013	12/12/2022	BETA	2.66E-02	1.39E-03	1.26E-03	pCi/m3	
1109	604618015	12/19/2022	BETA	3.60E-02	1.57E-03	1.17E-03	pCi/m3	
1109	605325013	12/26/2022	BETA	4.26E-02	1.74E-03	1.24E-03	pCi/m3	
1109	571510006	1/24/2022	Bismuth-214	9.20E-04	2.06E-03	3.97E-03	pCi/m3	U
1109	574141007	2/21/2022	Bismuth-214	1.50E-03	8.24E-04	1.43E-03	pCi/m3	UI
1109	578170006	3/21/2022	Bismuth-214	-3.45E-04	6.74E-04	2.14E-03	pCi/m3	U
1109	582160007	4/18/2022	Bismuth-214	-6.82E-04	7.92E-04	2.45E-03	pCi/m3	U
1109	585159007	5/16/2022	Bismuth-214	3.19E-04	5.46E-04	1.78E-03	pCi/m3	U
1109	587304007	6/13/2022	Bismuth-214	-1.07E-03	6.27E-04	1.82E-03	pCi/m3	U
1109	592750007	7/11/2022	Bismuth-214	1.14E-03	9.03E-04	1.23E-03	pCi/m3	U
1109	592751007	8/8/2022	Bismuth-214	2.83E-03	9.83E-04	2.52E-03	pCi/m3	UI
1109	600035007	9/5/2022	Bismuth-214	-4.79E-04	6.29E-04	1.92E-03	pCi/m3	U
1109	600037007	10/3/2022	Bismuth-214	1.70E-03	1.60E-03	3.73E-03	pCi/m3	U
1109	606085007	10/31/2022	Bismuth-214	-6.82E-04	5.79E-04	1.72E-03	pCi/m3	U
1109	606539007	11/28/2022	Bismuth-214	1.90E-03	1.65E-03	3.64E-03	pCi/m3	U
1109	609493007	12/26/2022	Bismuth-214	2.64E-03	1.08E-03	3.28E-03	pCi/m3	U
1109	571510006	1/24/2022	Cerium-141	-3.53E-04	8.56E-04	2.73E-03	pCi/m3	U
1109	574141007	2/21/2022	Cerium-141	-7.81E-04	4.91E-04	1.45E-03	pCi/m3	U
1109	578170006	3/21/2022	Cerium-141	-3.43E-04	6.61E-04	2.02E-03	pCi/m3	U
1109	582160007	4/18/2022	Cerium-141	-3.91E-04	8.39E-04	2.04E-03	pCi/m3	U
1109	585159007	5/16/2022	Cerium-141	-5.63E-04	7.19E-04	2.25E-03	pCi/m3	U
1109	587304007	6/13/2022	Cerium-141	-4.76E-04	7.12E-04	2.37E-03	pCi/m3	U
1109	592750007	7/11/2022	Cerium-141	-2.72E-03	1.28E-03	3.53E-03	pCi/m3	U
1109	592751007	8/8/2022	Cerium-141	-1.69E-03	6.26E-04	1.62E-03	pCi/m3	U
1109	600035007	9/5/2022	Cerium-141	-4.80E-04	8.55E-04	2.65E-03	pCi/m3	U
1109	600037007	10/3/2022	Cerium-141	-5.55E-04	8.59E-04	2.44E-03	pCi/m3	U
1109	606085007	10/31/2022	Cerium-141	-2.02E-03	9.55E-04	2.58E-03	pCi/m3	U
1109	606539007	11/28/2022	Cerium-141	-1.01E-03	9.28E-04	2.85E-03	pCi/m3	U
1109	609493007	12/26/2022	Cerium-141	-1.40E-03	9.40E-04	2.81E-03	pCi/m3	U
1109	571510006	1/24/2022	Cerium-144	1.43E-03	1.59E-03	5.44E-03	pCi/m3	U
1109	574141007	2/21/2022	Cerium-144	-3.52E-04	1.04E-03	3.35E-03	pCi/m3	U
1109	578170006	3/21/2022	Cerium-144	-6.29E-05	1.19E-03	3.73E-03	pCi/m3	U
1109	582160007	4/18/2022	Cerium-144	-1.03E-03	9.19E-04	2.75E-03	pCi/m3	U
1109	585159007	5/16/2022	Cerium-144	-8.06E-04	1.04E-03	3.26E-03	pCi/m3	U
1109	587304007	6/13/2022	Cerium-144	-1.44E-03	1.07E-03	3.44E-03	pCi/m3	U
1109	592750007	7/11/2022	Cerium-144	-3.01E-03	1.09E-03	2.95E-03	pCi/m3	U
1109	592751007	8/8/2022	Cerium-144	2.46E-04	1.16E-03	3.72E-03	pCi/m3	U
1109	600035007	9/5/2022	Cerium-144	1.03E-03	9.41E-04	3.25E-03	pCi/m3	U
1109	600037007	10/3/2022	Cerium-144	1.35E-03	1.60E-03	5.38E-03	pCi/m3	U
1109	606085007	10/31/2022	Cerium-144	-9.58E-04	8.55E-04	2.50E-03	pCi/m3	U
1109	606539007	11/28/2022	Cerium-144	-1.91E-03	1.49E-03	4.51E-03	pCi/m3	U
1109	609493007	12/26/2022	Cerium-144	-1.06E-03	1.58E-03	4.96E-03	pCi/m3	U
1109	571510006	1/24/2022	Cesium-134	-1.16E-04	4.32E-04	1.34E-03	pCi/m3	U
1109	574141007	2/21/2022	Cesium-134	-9.46E-05	2.32E-04	7.49E-04	pCi/m3	U
1109	578170006	3/21/2022	Cesium-134	-1.57E-04	2.82E-04	8.39E-04	pCi/m3	U
1109	582160007	4/18/2022	Cesium-134	3.94E-04	3.37E-04	1.28E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	585159007	5/16/2022	Cesium-134	3.00E-04	2.55E-04	9.46E-04	pCi/m3	U
1109	587304007	6/13/2022	Cesium-134	-3.64E-04	2.93E-04	7.83E-04	pCi/m3	U
1109	592750007	7/11/2022	Cesium-134	2.68E-04	2.31E-04	8.35E-04	pCi/m3	U
1109	592751007	8/8/2022	Cesium-134	2.36E-04	3.10E-04	9.72E-04	pCi/m3	U
1109	600035007	9/5/2022	Cesium-134	-1.61E-04	3.07E-04	9.50E-04	pCi/m3	U
1109	600037007	10/3/2022	Cesium-134	2.60E-04	5.88E-04	1.78E-03	pCi/m3	U
1109	606085007	10/31/2022	Cesium-134	2.24E-04	2.28E-04	8.24E-04	pCi/m3	U
1109	606539007	11/28/2022	Cesium-134	1.91E-04	4.74E-04	1.58E-03	pCi/m3	U
1109	609493007	12/26/2022	Cesium-134	1.65E-04	4.51E-04	1.51E-03	pCi/m3	U
1109	571510006	1/24/2022	Cesium-137	-1.23E-05	3.90E-04	1.27E-03	pCi/m3	U
1109	574141007	2/21/2022	Cesium-137	-1.65E-04	1.96E-04	5.58E-04	pCi/m3	U
1109	578170006	3/21/2022	Cesium-137	-2.49E-05	2.67E-04	8.23E-04	pCi/m3	U
1109	582160007	4/18/2022	Cesium-137	-3.96E-04	3.24E-04	9.59E-04	pCi/m3	U
1109	585159007	5/16/2022	Cesium-137	-3.82E-04	2.51E-04	6.01E-04	pCi/m3	U
1109	587304007	6/13/2022	Cesium-137	-6.19E-04	4.36E-04	1.58E-03	pCi/m3	U
1109	592750007	7/11/2022	Cesium-137	-2.88E-04	2.67E-04	6.81E-04	pCi/m3	U
1109	592751007	8/8/2022	Cesium-137	2.39E-04	2.24E-04	7.99E-04	pCi/m3	U
1109	600035007	9/5/2022	Cesium-137	2.65E-04	2.37E-04	8.61E-04	pCi/m3	U
1109	600037007	10/3/2022	Cesium-137	3.30E-04	4.61E-04	1.58E-03	pCi/m3	U
1109	606085007	10/31/2022	Cesium-137	4.18E-04	2.78E-04	7.86E-04	pCi/m3	U
1109	606539007	11/28/2022	Cesium-137	-3.97E-04	4.41E-04	1.32E-03	pCi/m3	U
1109	609493007	12/26/2022	Cesium-137	1.09E-03	4.26E-04	1.69E-03	pCi/m3	U
1109	571510006	1/24/2022	Chromium-51	3.64E-02	1.22E-02	1.71E-02	pCi/m3	UI
1109	574141007	2/21/2022	Chromium-51	-6.66E-04	3.46E-03	1.16E-02	pCi/m3	U
1109	578170006	3/21/2022	Chromium-51	4.34E-03	4.47E-03	1.58E-02	pCi/m3	U
1109	582160007	4/18/2022	Chromium-51	8.34E-03	7.00E-03	2.55E-02	pCi/m3	U
1109	585159007	5/16/2022	Chromium-51	-8.36E-04	4.68E-03	1.57E-02	pCi/m3	U
1109	587304007	6/13/2022	Chromium-51	5.42E-03	5.29E-03	1.86E-02	pCi/m3	U
1109	592750007	7/11/2022	Chromium-51	8.08E-03	8.03E-03	2.88E-02	pCi/m3	U
1109	592751007	8/8/2022	Chromium-51	2.56E-03	4.86E-03	1.68E-02	pCi/m3	U
1109	600035007	9/5/2022	Chromium-51	-4.14E-03	7.00E-03	2.23E-02	pCi/m3	U
1109	600037007	10/3/2022	Chromium-51	-2.73E-03	5.98E-03	1.98E-02	pCi/m3	U
1109	606085007	10/31/2022	Chromium-51	-4.90E-03	7.74E-03	2.44E-02	pCi/m3	U
1109	606539007	11/28/2022	Chromium-51	7.82E-04	7.32E-03	2.52E-02	pCi/m3	U
1109	609493007	12/26/2022	Chromium-51	-6.48E-03	7.02E-03	2.27E-02	pCi/m3	U
1109	571510006	1/24/2022	Cobalt-57	-2.74E-04	1.97E-04	6.01E-04	pCi/m3	U
1109	574141007	2/21/2022	Cobalt-57	5.82E-05	1.22E-04	3.86E-04	pCi/m3	U
1109	578170006	3/21/2022	Cobalt-57	-1.34E-04	1.64E-04	4.95E-04	pCi/m3	U
1109	582160007	4/18/2022	Cobalt-57	1.59E-05	9.49E-05	3.13E-04	pCi/m3	U
1109	585159007	5/16/2022	Cobalt-57	-1.64E-04	1.28E-04	3.93E-04	pCi/m3	U
1109	587304007	6/13/2022	Cobalt-57	5.77E-05	1.41E-04	4.94E-04	pCi/m3	U
1109	592750007	7/11/2022	Cobalt-57	-6.75E-05	1.40E-04	4.38E-04	pCi/m3	U
1109	592751007	8/8/2022	Cobalt-57	2.68E-04	1.57E-04	5.41E-04	pCi/m3	U
1109	600035007	9/5/2022	Cobalt-57	-2.17E-05	1.34E-04	3.99E-04	pCi/m3	U
1109	600037007	10/3/2022	Cobalt-57	1.35E-03	4.43E-04	5.99E-04	pCi/m3	UI
1109	606085007	10/31/2022	Cobalt-57	-3.72E-05	1.12E-04	3.22E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	606539007	11/28/2022	Cobalt-57	-4.01E-05	1.83E-04	5.93E-04	pCi/m3	U
1109	609493007	12/26/2022	Cobalt-57	-4.05E-04	2.22E-04	6.64E-04	pCi/m3	U
1109	571510006	1/24/2022	Cobalt-58	4.31E-04	6.86E-04	2.32E-03	pCi/m3	U
1109	574141007	2/21/2022	Cobalt-58	-1.70E-04	2.68E-04	8.40E-04	pCi/m3	U
1109	578170006	3/21/2022	Cobalt-58	-2.18E-04	3.99E-04	1.03E-03	pCi/m3	U
1109	582160007	4/18/2022	Cobalt-58	-1.14E-04	4.38E-04	1.43E-03	pCi/m3	U
1109	585159007	5/16/2022	Cobalt-58	7.43E-04	3.64E-04	1.43E-03	pCi/m3	U
1109	587304007	6/13/2022	Cobalt-58	-6.30E-04	4.26E-04	1.12E-03	pCi/m3	U
1109	592750007	7/11/2022	Cobalt-58	1.12E-04	5.13E-04	1.68E-03	pCi/m3	U
1109	592751007	8/8/2022	Cobalt-58	-7.26E-05	3.06E-04	8.87E-04	pCi/m3	U
1109	600035007	9/5/2022	Cobalt-58	3.99E-04	4.26E-04	1.52E-03	pCi/m3	U
1109	600037007	10/3/2022	Cobalt-58	-2.93E-04	6.85E-04	2.10E-03	pCi/m3	U
1109	606085007	10/31/2022	Cobalt-58	-5.92E-04	4.12E-04	1.09E-03	pCi/m3	U
1109	606539007	11/28/2022	Cobalt-58	9.55E-04	6.58E-04	2.39E-03	pCi/m3	U
1109	609493007	12/26/2022	Cobalt-58	-1.50E-03	7.43E-04	1.41E-03	pCi/m3	U
1109	571510006	1/24/2022	Cobalt-60	-4.91E-04	5.34E-04	1.56E-03	pCi/m3	U
1109	574141007	2/21/2022	Cobalt-60	-9.12E-04	4.51E-04	9.32E-04	pCi/m3	U
1109	578170006	3/21/2022	Cobalt-60	-4.95E-05	2.82E-04	9.08E-04	pCi/m3	U
1109	582160007	4/18/2022	Cobalt-60	9.41E-05	4.21E-04	1.41E-03	pCi/m3	U
1109	585159007	5/16/2022	Cobalt-60	9.47E-06	2.22E-04	7.17E-04	pCi/m3	U
1109	587304007	6/13/2022	Cobalt-60	-3.11E-04	3.33E-04	9.73E-04	pCi/m3	U
1109	592750007	7/11/2022	Cobalt-60	-7.66E-05	2.42E-04	7.76E-04	pCi/m3	U
1109	592751007	8/8/2022	Cobalt-60	-1.55E-06	2.18E-04	7.17E-04	pCi/m3	U
1109	600035007	9/5/2022	Cobalt-60	-2.27E-04	2.52E-04	6.88E-04	pCi/m3	U
1109	600037007	10/3/2022	Cobalt-60	3.01E-04	5.01E-04	1.77E-03	pCi/m3	U
1109	606085007	10/31/2022	Cobalt-60	1.81E-04	3.55E-04	1.22E-03	pCi/m3	U
1109	606539007	11/28/2022	Cobalt-60	1.31E-04	5.11E-04	1.55E-03	pCi/m3	U
1109	609493007	12/26/2022	Cobalt-60	2.13E-04	5.95E-04	2.04E-03	pCi/m3	U
1109	571510006	1/24/2022	Iron-59	-1.22E-03	1.48E-03	4.52E-03	pCi/m3	U
1109	574141007	2/21/2022	Iron-59	1.37E-03	7.94E-04	3.06E-03	pCi/m3	U
1109	578170006	3/21/2022	Iron-59	-6.24E-04	1.07E-03	2.89E-03	pCi/m3	U
1109	582160007	4/18/2022	Iron-59	-1.73E-03	1.73E-03	4.91E-03	pCi/m3	U
1109	585159007	5/16/2022	Iron-59	-7.47E-04	7.88E-04	2.17E-03	pCi/m3	U
1109	587304007	6/13/2022	Iron-59	-1.88E-04	1.07E-03	3.54E-03	pCi/m3	U
1109	592750007	7/11/2022	Iron-59	-1.20E-03	1.41E-03	3.63E-03	pCi/m3	U
1109	592751007	8/8/2022	Iron-59	8.45E-04	1.05E-03	3.47E-03	pCi/m3	U
1109	600035007	9/5/2022	Iron-59	1.16E-03	1.23E-03	4.53E-03	pCi/m3	U
1109	600037007	10/3/2022	Iron-59	2.59E-03	1.48E-03	5.79E-03	pCi/m3	U
1109	606085007	10/31/2022	Iron-59	-4.43E-05	1.33E-03	4.37E-03	pCi/m3	U
1109	606539007	11/28/2022	Iron-59	3.25E-03	1.59E-03	6.39E-03	pCi/m3	U
1109	609493007	12/26/2022	Iron-59	1.65E-03	1.45E-03	5.51E-03	pCi/m3	U
1109	571510006	1/24/2022	Lanthanum-140	1.41E-04	4.48E-03	1.46E-02	pCi/m3	U
1109	574141007	2/21/2022	Lanthanum-140	-2.16E-03	1.91E-03	5.31E-03	pCi/m3	U
1109	578170006	3/21/2022	Lanthanum-140	-5.41E-04	2.76E-03	8.73E-03	pCi/m3	U
1109	582160007	4/18/2022	Lanthanum-140	1.64E-02	1.14E-02	4.61E-02	pCi/m3	U
1109	585159007	5/16/2022	Lanthanum-140	-3.96E-03	5.18E-03	1.54E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	587304007	6/13/2022	Lanthanum-140	1.85E-03	2.83E-03	1.05E-02	pCi/m3	U
1109	592750007	7/11/2022	Lanthanum-140	9.05E-03	1.27E-02	4.63E-02	pCi/m3	U
1109	592751007	8/8/2022	Lanthanum-140	-4.28E-03	3.00E-03	6.86E-03	pCi/m3	U
1109	600035007	9/5/2022	Lanthanum-140	2.14E-02	9.91E-03	4.35E-02	pCi/m3	U
1109	600037007	10/3/2022	Lanthanum-140	-1.05E-03	4.05E-03	1.27E-02	pCi/m3	U
1109	606085007	10/31/2022	Lanthanum-140	-1.67E-02	1.28E-02	3.40E-02	pCi/m3	U
1109	606539007	11/28/2022	Lanthanum-140	-5.47E-03	4.61E-03	1.11E-02	pCi/m3	U
1109	609493007	12/26/2022	Lanthanum-140	-1.28E-02	5.95E-03	1.14E-02	pCi/m3	U
1109	571510006	1/24/2022	Lead-210	2.43E-02	5.49E-03	2.06E-02	pCi/m3	UI
1109	574141007	2/21/2022	Lead-210	4.47E-03	2.75E-02	9.11E-02	pCi/m3	U
1109	578170006	3/21/2022	Lead-210	4.15E-02	3.85E-02	1.33E-01	pCi/m3	U
1109	582160007	4/18/2022	Lead-210	1.88E-02	2.90E-03	4.06E-03	pCi/m3	U
1109	585159007	5/16/2022	Lead-210	8.28E-03	2.77E-02	8.87E-02	pCi/m3	U
1109	587304007	6/13/2022	Lead-210	-3.79E-02	3.51E-02	9.76E-02	pCi/m3	U
1109	592750007	7/11/2022	Lead-210	7.31E-02	5.72E-02	6.01E-02	pCi/m3	UI
1109	592751007	8/8/2022	Lead-210	6.85E-02	4.05E-02	1.44E-01	pCi/m3	U
1109	600035007	9/5/2022	Lead-210	4.65E-02	5.56E-02	1.85E-01	pCi/m3	U
1109	600037007	10/3/2022	Lead-210	3.64E-02	5.42E-03	2.08E-02	pCi/m3	UI
1109	606085007	10/31/2022	Lead-210	1.38E-01	4.95E-02	1.94E-01	pCi/m3	U
1109	606539007	11/28/2022	Lead-210	3.78E-02	5.26E-03	2.05E-02	pCi/m3	UI
1109	609493007	12/26/2022	Lead-210	3.91E-02	5.64E-03	2.18E-02	pCi/m3	UI
1109	571510006	1/24/2022	Lead-212	1.42E-03	7.75E-04	2.24E-03	pCi/m3	U
1109	574141007	2/21/2022	Lead-212	1.78E-04	7.00E-04	1.08E-03	pCi/m3	U
1109	578170006	3/21/2022	Lead-212	1.76E-03	8.13E-04	1.65E-03	pCi/m3	UI
1109	582160007	4/18/2022	Lead-212	1.17E-03	5.90E-04	9.53E-04	pCi/m3	UI
1109	585159007	5/16/2022	Lead-212	-2.38E-04	4.08E-04	1.26E-03	pCi/m3	U
1109	587304007	6/13/2022	Lead-212	1.54E-04	4.79E-04	1.55E-03	pCi/m3	U
1109	592750007	7/11/2022	Lead-212	-2.64E-04	3.88E-04	1.19E-03	pCi/m3	U
1109	592751007	8/8/2022	Lead-212	3.52E-04	4.46E-04	1.49E-03	pCi/m3	U
1109	600035007	9/5/2022	Lead-212	1.02E-03	3.52E-04	1.31E-03	pCi/m3	U
1109	600037007	10/3/2022	Lead-212	1.44E-03	8.85E-04	2.35E-03	pCi/m3	U
1109	606085007	10/31/2022	Lead-212	6.59E-04	5.19E-04	1.24E-03	pCi/m3	U
1109	606539007	11/28/2022	Lead-212	3.35E-04	8.58E-04	1.70E-03	pCi/m3	U
1109	609493007	12/26/2022	Lead-212	1.27E-04	1.02E-03	2.32E-03	pCi/m3	U
1109	571510006	1/24/2022	Lead-214	8.50E-05	8.92E-04	2.98E-03	pCi/m3	U
1109	574141007	2/21/2022	Lead-214	1.09E-03	7.79E-04	1.99E-03	pCi/m3	U
1109	578170006	3/21/2022	Lead-214	7.12E-04	5.15E-04	1.85E-03	pCi/m3	U
1109	582160007	4/18/2022	Lead-214	1.52E-03	7.48E-04	2.24E-03	pCi/m3	U
1109	585159007	5/16/2022	Lead-214	2.28E-04	5.76E-04	1.78E-03	pCi/m3	U
1109	587304007	6/13/2022	Lead-214	1.54E-03	1.15E-03	1.94E-03	pCi/m3	U
1109	592750007	7/11/2022	Lead-214	6.16E-05	8.27E-04	1.74E-03	pCi/m3	U
1109	592751007	8/8/2022	Lead-214	5.50E-04	4.31E-04	1.56E-03	pCi/m3	U
1109	600035007	9/5/2022	Lead-214	3.49E-05	5.31E-04	1.59E-03	pCi/m3	U
1109	600037007	10/3/2022	Lead-214	-1.19E-03	8.96E-04	2.67E-03	pCi/m3	U
1109	606085007	10/31/2022	Lead-214	-1.93E-04	5.20E-04	1.58E-03	pCi/m3	U
1109	606539007	11/28/2022	Lead-214	1.88E-03	1.51E-03	3.25E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	609493007	12/26/2022	Lead-214	6.59E-05	8.80E-04	2.93E-03	pCi/m3	U
1109	571510006	1/24/2022	Manganese-54	4.35E-04	4.66E-04	1.63E-03	pCi/m3	U
1109	574141007	2/21/2022	Manganese-54	-6.19E-05	2.80E-04	9.24E-04	pCi/m3	U
1109	578170006	3/21/2022	Manganese-54	3.81E-04	1.99E-04	7.93E-04	pCi/m3	U
1109	582160007	4/18/2022	Manganese-54	3.88E-04	3.94E-04	1.44E-03	pCi/m3	U
1109	585159007	5/16/2022	Manganese-54	-6.62E-05	2.09E-04	6.78E-04	pCi/m3	U
1109	587304007	6/13/2022	Manganese-54	7.21E-05	2.95E-04	9.62E-04	pCi/m3	U
1109	592750007	7/11/2022	Manganese-54	-1.45E-04	2.43E-04	7.28E-04	pCi/m3	U
1109	592751007	8/8/2022	Manganese-54	7.01E-05	3.34E-04	1.08E-03	pCi/m3	U
1109	600035007	9/5/2022	Manganese-54	7.23E-05	2.73E-04	9.09E-04	pCi/m3	U
1109	600037007	10/3/2022	Manganese-54	5.62E-04	4.15E-04	1.52E-03	pCi/m3	U
1109	606085007	10/31/2022	Manganese-54	-1.49E-04	2.91E-04	8.85E-04	pCi/m3	U
1109	606539007	11/28/2022	Manganese-54	-1.61E-04	4.97E-04	1.54E-03	pCi/m3	U
1109	609493007	12/26/2022	Manganese-54	3.33E-04	4.51E-04	1.55E-03	pCi/m3	U
1109	571510006	1/24/2022	Molybdenum-99	-1.20E+01	6.32E+01	0.00E+00	pCi/m3	U
1109	574141007	2/21/2022	Molybdenum-99	-7.50E+00	7.58E+00	0.00E+00	pCi/m3	U
1109	578170006	3/21/2022	Molybdenum-99	1.28E+01	3.28E+01	0.00E+00	pCi/m3	UI
1109	582160007	4/18/2022	Molybdenum-99	8.74E+03	7.26E+03	0.00E+00	pCi/m3	UI
1109	585159007	5/16/2022	Molybdenum-99	1.14E+03	8.59E+02	0.00E+00	pCi/m3	UI
1109	587304007	6/13/2022	Molybdenum-99	1.35E+02	1.60E+02	0.00E+00	pCi/m3	UI
1109	592750007	7/11/2022	Molybdenum-99	-1.29E+05	1.39E+05	0.00E+00	pCi/m3	U
1109	592751007	8/8/2022	Molybdenum-99	-1.18E+02	1.13E+02	0.00E+00	pCi/m3	U
1109	600035007	9/5/2022	Molybdenum-99	-3.64E+03	2.53E+04	0.00E+00	pCi/m3	U
1109	600037007	10/3/2022	Molybdenum-99	2.13E+01	4.06E+01	0.00E+00	pCi/m3	UI
1109	606085007	10/31/2022	Molybdenum-99	-3.68E+04	3.73E+04	0.00E+00	pCi/m3	U
1109	606539007	11/28/2022	Molybdenum-99	6.29E+01	2.46E+02	0.00E+00	pCi/m3	UI
1109	609493007	12/26/2022	Molybdenum-99	-6.30E+01	1.78E+02	0.00E+00	pCi/m3	U
1109	571510006	1/24/2022	Niobium-95	-9.19E-05	6.45E-04	1.81E-03	pCi/m3	U
1109	574141007	2/21/2022	Niobium-95	6.27E-04	3.16E-04	1.23E-03	pCi/m3	U
1109	578170006	3/21/2022	Niobium-95	7.10E-05	4.19E-04	1.36E-03	pCi/m3	U
1109	582160007	4/18/2022	Niobium-95	2.11E-04	4.96E-04	1.76E-03	pCi/m3	U
1109	585159007	5/16/2022	Niobium-95	-4.76E-04	3.67E-04	1.10E-03	pCi/m3	U
1109	587304007	6/13/2022	Niobium-95	-7.10E-05	3.76E-04	1.17E-03	pCi/m3	U
1109	592750007	7/11/2022	Niobium-95	-1.04E-04	4.67E-04	1.48E-03	pCi/m3	U
1109	592751007	8/8/2022	Niobium-95	3.28E-05	4.49E-04	1.48E-03	pCi/m3	U
1109	600035007	9/5/2022	Niobium-95	1.46E-04	4.67E-04	1.57E-03	pCi/m3	U
1109	600037007	10/3/2022	Niobium-95	2.88E-04	5.78E-04	1.95E-03	pCi/m3	U
1109	606085007	10/31/2022	Niobium-95	-6.20E-05	5.24E-04	1.68E-03	pCi/m3	U
1109	606539007	11/28/2022	Niobium-95	-2.72E-05	6.02E-04	1.93E-03	pCi/m3	U
1109	609493007	12/26/2022	Niobium-95	-7.71E-04	7.12E-04	2.05E-03	pCi/m3	U
1109	571510006	1/24/2022	Potassium-40	2.12E-03	5.53E-03	1.34E-02	pCi/m3	U
1109	574141007	2/21/2022	Potassium-40	1.17E-02	5.47E-03	8.65E-03	pCi/m3	UI
1109	578170006	3/21/2022	Potassium-40	1.34E-02	6.19E-03	9.25E-03	pCi/m3	UI
1109	582160007	4/18/2022	Potassium-40	5.91E-03	3.79E-03	1.52E-02	pCi/m3	U
1109	585159007	5/16/2022	Potassium-40	5.08E-03	4.28E-03	1.52E-02	pCi/m3	U
1109	587304007	6/13/2022	Potassium-40	2.28E-02	5.24E-03	5.61E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	592750007	7/11/2022	Potassium-40	2.98E-03	4.91E-03	1.77E-02	pCi/m3	U
1109	592751007	8/8/2022	Potassium-40	1.50E-02	4.47E-03	7.30E-03	pCi/m3	UI
1109	600035007	9/5/2022	Potassium-40	3.94E-03	4.84E-03	1.02E-02	pCi/m3	U
1109	600037007	10/3/2022	Potassium-40	1.09E-02	8.48E-03	1.49E-02	pCi/m3	U
1109	606085007	10/31/2022	Potassium-40	1.60E-02	3.99E-03	1.76E-02	pCi/m3	U
1109	606539007	11/28/2022	Potassium-40	7.67E-03	7.47E-03	1.00E-02	pCi/m3	U
1109	609493007	12/26/2022	Potassium-40	7.73E-03	6.11E-03	1.33E-02	pCi/m3	U
1109	571510006	1/24/2022	Radium-226	9.20E-04	2.06E-03	3.97E-03	pCi/m3	U
1109	574141007	2/21/2022	Radium-226	1.50E-03	8.24E-04	1.43E-03	pCi/m3	UI
1109	578170006	3/21/2022	Radium-226	-3.45E-04	6.74E-04	2.14E-03	pCi/m3	U
1109	582160007	4/18/2022	Radium-226	-6.82E-04	7.92E-04	2.45E-03	pCi/m3	U
1109	585159007	5/16/2022	Radium-226	3.19E-04	5.46E-04	1.78E-03	pCi/m3	U
1109	587304007	6/13/2022	Radium-226	-1.07E-03	6.27E-04	1.82E-03	pCi/m3	U
1109	592750007	7/11/2022	Radium-226	1.14E-03	9.03E-04	1.23E-03	pCi/m3	U
1109	592751007	8/8/2022	Radium-226	2.83E-03	9.83E-04	2.52E-03	pCi/m3	UI
1109	600035007	9/5/2022	Radium-226	3.49E-05	5.31E-04	1.59E-03	pCi/m3	U
1109	600037007	10/3/2022	Radium-226	-1.19E-03	8.96E-04	2.67E-03	pCi/m3	U
1109	606085007	10/31/2022	Radium-226	-1.93E-04	5.20E-04	1.58E-03	pCi/m3	U
1109	606539007	11/28/2022	Radium-226	1.88E-03	1.51E-03	3.25E-03	pCi/m3	U
1109	609493007	12/26/2022	Radium-226	6.59E-05	8.80E-04	2.93E-03	pCi/m3	U
1109	571510006	1/24/2022	Radium-228	2.86E-03	2.34E-03	8.39E-03	pCi/m3	U
1109	574141007	2/21/2022	Radium-228	-3.33E-04	1.33E-03	4.34E-03	pCi/m3	U
1109	578170006	3/21/2022	Radium-228	1.18E-03	1.33E-03	3.98E-03	pCi/m3	U
1109	582160007	4/18/2022	Radium-228	2.81E-03	1.30E-03	5.26E-03	pCi/m3	U
1109	585159007	5/16/2022	Radium-228	2.02E-04	1.61E-03	3.82E-03	pCi/m3	U
1109	587304007	6/13/2022	Radium-228	4.65E-04	1.49E-03	4.92E-03	pCi/m3	U
1109	592750007	7/11/2022	Radium-228	-8.48E-04	1.11E-03	3.57E-03	pCi/m3	U
1109	592751007	8/8/2022	Radium-228	6.83E-04	1.35E-03	3.69E-03	pCi/m3	U
1109	600035007	9/5/2022	Radium-228	4.08E-04	1.00E-03	3.36E-03	pCi/m3	U
1109	600037007	10/3/2022	Radium-228	-2.33E-03	2.03E-03	6.70E-03	pCi/m3	U
1109	606085007	10/31/2022	Radium-228	1.80E-03	9.25E-04	3.49E-03	pCi/m3	U
1109	606539007	11/28/2022	Radium-228	2.24E-05	2.32E-03	7.28E-03	pCi/m3	U
1109	609493007	12/26/2022	Radium-228	3.50E-03	2.60E-03	7.45E-03	pCi/m3	U
1109	571510006	1/24/2022	Ruthenium-103	2.85E-05	5.08E-04	1.70E-03	pCi/m3	U
1109	574141007	2/21/2022	Ruthenium-103	2.70E-04	3.52E-04	1.22E-03	pCi/m3	U
1109	578170006	3/21/2022	Ruthenium-103	2.13E-04	3.82E-04	1.31E-03	pCi/m3	U
1109	582160007	4/18/2022	Ruthenium-103	-4.71E-04	5.46E-04	1.49E-03	pCi/m3	U
1109	585159007	5/16/2022	Ruthenium-103	5.23E-04	5.27E-04	1.84E-03	pCi/m3	U
1109	587304007	6/13/2022	Ruthenium-103	-3.75E-04	4.20E-04	1.25E-03	pCi/m3	U
1109	592750007	7/11/2022	Ruthenium-103	-3.37E-04	6.12E-04	1.95E-03	pCi/m3	U
1109	592751007	8/8/2022	Ruthenium-103	-3.88E-04	4.08E-04	1.22E-03	pCi/m3	U
1109	600035007	9/5/2022	Ruthenium-103	-1.15E-04	6.35E-04	1.99E-03	pCi/m3	U
1109	600037007	10/3/2022	Ruthenium-103	-3.98E-04	6.21E-04	1.95E-03	pCi/m3	U
1109	606085007	10/31/2022	Ruthenium-103	-1.68E-03	5.45E-04	1.31E-03	pCi/m3	U
1109	606539007	11/28/2022	Ruthenium-103	-1.62E-05	6.63E-04	2.20E-03	pCi/m3	U
1109	609493007	12/26/2022	Ruthenium-103	-3.96E-04	7.82E-04	2.51E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	571510006	1/24/2022	Ruthenium-106	1.19E-03	3.18E-03	1.08E-02	pCi/m3	U
1109	574141007	2/21/2022	Ruthenium-106	-1.13E-03	2.06E-03	6.26E-03	pCi/m3	U
1109	578170006	3/21/2022	Ruthenium-106	5.27E-03	2.71E-03	7.16E-03	pCi/m3	U
1109	582160007	4/18/2022	Ruthenium-106	3.40E-04	2.74E-03	8.91E-03	pCi/m3	U
1109	585159007	5/16/2022	Ruthenium-106	1.66E-04	2.28E-03	7.35E-03	pCi/m3	U
1109	587304007	6/13/2022	Ruthenium-106	7.78E-04	2.28E-03	7.61E-03	pCi/m3	U
1109	592750007	7/11/2022	Ruthenium-106	1.14E-03	2.32E-03	7.90E-03	pCi/m3	U
1109	592751007	8/8/2022	Ruthenium-106	1.06E-03	2.00E-03	6.83E-03	pCi/m3	U
1109	600035007	9/5/2022	Ruthenium-106	-1.36E-03	1.96E-03	6.12E-03	pCi/m3	U
1109	600037007	10/3/2022	Ruthenium-106	-3.08E-03	3.66E-03	1.10E-02	pCi/m3	U
1109	606085007	10/31/2022	Ruthenium-106	2.31E-03	2.00E-03	7.29E-03	pCi/m3	U
1109	606539007	11/28/2022	Ruthenium-106	-1.46E-03	4.39E-03	1.23E-02	pCi/m3	U
1109	609493007	12/26/2022	Ruthenium-106	-2.23E-03	3.36E-03	1.02E-02	pCi/m3	U
1109	571510006	1/24/2022	Selenium-75	1.71E-04	4.52E-04	1.46E-03	pCi/m3	U
1109	574141007	2/21/2022	Selenium-75	-3.20E-04	3.03E-04	8.75E-04	pCi/m3	U
1109	578170006	3/21/2022	Selenium-75	-2.01E-05	3.42E-04	1.02E-03	pCi/m3	U
1109	582160007	4/18/2022	Selenium-75	9.32E-05	2.95E-04	1.03E-03	pCi/m3	U
1109	585159007	5/16/2022	Selenium-75	8.47E-04	3.33E-04	9.96E-04	pCi/m3	U
1109	587304007	6/13/2022	Selenium-75	-7.35E-04	3.52E-04	1.05E-03	pCi/m3	U
1109	592750007	7/11/2022	Selenium-75	7.25E-05	3.28E-04	1.09E-03	pCi/m3	U
1109	592751007	8/8/2022	Selenium-75	9.03E-05	2.89E-04	9.98E-04	pCi/m3	U
1109	600035007	9/5/2022	Selenium-75	6.17E-04	2.87E-04	1.09E-03	pCi/m3	U
1109	600037007	10/3/2022	Selenium-75	5.16E-04	4.63E-04	1.68E-03	pCi/m3	U
1109	606085007	10/31/2022	Selenium-75	-6.84E-04	2.95E-04	8.32E-04	pCi/m3	U
1109	606539007	11/28/2022	Selenium-75	1.25E-03	4.78E-04	1.75E-03	pCi/m3	U
1109	609493007	12/26/2022	Selenium-75	-3.10E-04	5.08E-04	1.52E-03	pCi/m3	U
1109	571510006	1/24/2022	Silver-108m	-1.57E-04	3.28E-04	1.07E-03	pCi/m3	U
1109	574141007	2/21/2022	Silver-108m	-2.98E-05	1.93E-04	6.35E-04	pCi/m3	U
1109	578170006	3/21/2022	Silver-108m	8.61E-05	1.97E-04	6.69E-04	pCi/m3	U
1109	582160007	4/18/2022	Silver-108m	7.70E-05	1.68E-04	5.84E-04	pCi/m3	U
1109	585159007	5/16/2022	Silver-108m	-4.57E-05	1.79E-04	5.18E-04	pCi/m3	U
1109	587304007	6/13/2022	Silver-108m	1.07E-04	2.00E-04	6.83E-04	pCi/m3	U
1109	592750007	7/11/2022	Silver-108m	1.82E-05	1.53E-04	5.18E-04	pCi/m3	U
1109	592751007	8/8/2022	Silver-108m	-2.78E-04	1.62E-04	4.51E-04	pCi/m3	U
1109	600035007	9/5/2022	Silver-108m	-1.25E-04	1.65E-04	4.94E-04	pCi/m3	U
1109	600037007	10/3/2022	Silver-108m	6.37E-05	2.58E-04	8.79E-04	pCi/m3	U
1109	606085007	10/31/2022	Silver-108m	1.60E-04	1.80E-04	6.14E-04	pCi/m3	U
1109	606539007	11/28/2022	Silver-108m	-1.85E-04	2.94E-04	9.43E-04	pCi/m3	U
1109	609493007	12/26/2022	Silver-108m	-1.01E-04	3.28E-04	1.08E-03	pCi/m3	U
1109	571510006	1/24/2022	Silver-110m	1.34E-05	6.73E-04	2.14E-03	pCi/m3	U
1109	574141007	2/21/2022	Silver-110m	-2.50E-05	3.46E-04	1.15E-03	pCi/m3	U
1109	578170006	3/21/2022	Silver-110m	1.93E-04	3.52E-04	1.26E-03	pCi/m3	U
1109	582160007	4/18/2022	Silver-110m	-4.79E-04	4.28E-04	1.20E-03	pCi/m3	U
1109	585159007	5/16/2022	Silver-110m	1.75E-04	3.78E-04	1.32E-03	pCi/m3	U
1109	587304007	6/13/2022	Silver-110m	2.29E-05	3.67E-04	1.17E-03	pCi/m3	U
1109	592750007	7/11/2022	Silver-110m	-2.47E-04	3.71E-04	1.10E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	592751007	8/8/2022	Silver-110m	-3.95E-05	3.71E-04	1.25E-03	pCi/m3	U
1109	600035007	9/5/2022	Silver-110m	-1.51E-04	4.16E-04	1.29E-03	pCi/m3	U
1109	600037007	10/3/2022	Silver-110m	6.15E-04	6.01E-04	2.13E-03	pCi/m3	U
1109	606085007	10/31/2022	Silver-110m	-2.77E-04	3.55E-04	1.10E-03	pCi/m3	U
1109	606539007	11/28/2022	Silver-110m	5.82E-05	6.80E-04	1.95E-03	pCi/m3	U
1109	609493007	12/26/2022	Silver-110m	-3.66E-04	6.60E-04	1.96E-03	pCi/m3	U
1109	571510006	1/24/2022	Tellurium-132	2.74E-01	1.02E+00	0.00E+00	pCi/m3	UI
1109	574141007	2/21/2022	Tellurium-132	-7.06E-02	2.17E-01	0.00E+00	pCi/m3	U
1109	578170006	3/21/2022	Tellurium-132	-5.04E-01	7.21E-01	0.00E+00	pCi/m3	U
1109	582160007	4/18/2022	Tellurium-132	3.53E+01	5.41E+01	0.00E+00	pCi/m3	UI
1109	585159007	5/16/2022	Tellurium-132	1.68E+00	1.33E+01	0.00E+00	pCi/m3	UI
1109	587304007	6/13/2022	Tellurium-132	3.27E-01	2.82E+00	0.00E+00	pCi/m3	UI
1109	592750007	7/11/2022	Tellurium-132	3.64E+02	9.57E+02	0.00E+00	pCi/m3	UI
1109	592751007	8/8/2022	Tellurium-132	3.03E+00	2.23E+00	0.00E+00	pCi/m3	UI
1109	600035007	9/5/2022	Tellurium-132	3.48E+02	2.98E+02	0.00E+00	pCi/m3	UI
1109	600037007	10/3/2022	Tellurium-132	-1.12E+00	9.12E-01	0.00E+00	pCi/m3	U
1109	606085007	10/31/2022	Tellurium-132	-1.69E+02	2.68E+02	0.00E+00	pCi/m3	U
1109	606539007	11/28/2022	Tellurium-132	6.11E-01	3.64E+00	0.00E+00	pCi/m3	UI
1109	609493007	12/26/2022	Tellurium-132	-1.55E+00	3.52E+00	0.00E+00	pCi/m3	U
1109	571510006	1/24/2022	Thallium-208	-3.28E-04	5.82E-04	1.74E-03	pCi/m3	U
1109	574141007	2/21/2022	Thallium-208	-1.92E-04	2.81E-04	9.02E-04	pCi/m3	U
1109	578170006	3/21/2022	Thallium-208	8.49E-04	3.82E-04	6.89E-04	pCi/m3	UI
1109	582160007	4/18/2022	Thallium-208	-3.09E-04	3.42E-04	1.00E-03	pCi/m3	U
1109	585159007	5/16/2022	Thallium-208	1.05E-03	4.17E-04	7.36E-04	pCi/m3	UI
1109	587304007	6/13/2022	Thallium-208	5.12E-04	4.15E-04	7.70E-04	pCi/m3	U
1109	592750007	7/11/2022	Thallium-208	-2.56E-04	2.79E-04	8.51E-04	pCi/m3	U
1109	592751007	8/8/2022	Thallium-208	-6.78E-05	3.07E-04	9.96E-04	pCi/m3	U
1109	600035007	9/5/2022	Thallium-208	2.04E-04	2.80E-04	8.92E-04	pCi/m3	U
1109	600037007	10/3/2022	Thallium-208	6.83E-04	5.68E-04	1.89E-03	pCi/m3	U
1109	606085007	10/31/2022	Thallium-208	3.45E-04	3.05E-04	6.28E-04	pCi/m3	U
1109	606539007	11/28/2022	Thallium-208	7.59E-04	6.54E-04	1.15E-03	pCi/m3	U
1109	609493007	12/26/2022	Thallium-208	1.01E-03	9.35E-04	1.36E-03	pCi/m3	U
1109	571510006	1/24/2022	Thorium-228	1.42E-03	7.75E-04	2.24E-03	pCi/m3	U
1109	574141007	2/21/2022	Thorium-228	1.78E-04	7.00E-04	1.08E-03	pCi/m3	U
1109	578170006	3/21/2022	Thorium-228	1.76E-03	8.13E-04	1.65E-03	pCi/m3	UI
1109	582160007	4/18/2022	Thorium-228	1.17E-03	5.90E-04	9.53E-04	pCi/m3	UI
1109	585159007	5/16/2022	Thorium-228	-2.38E-04	4.08E-04	1.26E-03	pCi/m3	U
1109	587304007	6/13/2022	Thorium-228	1.54E-04	4.79E-04	1.55E-03	pCi/m3	U
1109	592750007	7/11/2022	Thorium-228	-2.64E-04	3.88E-04	1.19E-03	pCi/m3	U
1109	592751007	8/8/2022	Thorium-228	3.52E-04	4.46E-04	1.49E-03	pCi/m3	U
1109	600035007	9/5/2022	Thorium-228	1.02E-03	3.52E-04	1.31E-03	pCi/m3	U
1109	600037007	10/3/2022	Thorium-228	1.44E-03	8.85E-04	2.35E-03	pCi/m3	U
1109	606085007	10/31/2022	Thorium-228	6.59E-04	5.19E-04	1.24E-03	pCi/m3	U
1109	606539007	11/28/2022	Thorium-228	3.35E-04	8.58E-04	1.70E-03	pCi/m3	U
1109	609493007	12/26/2022	Thorium-228	1.27E-04	1.02E-03	2.32E-03	pCi/m3	U
1109	571510006	1/24/2022	Thorium-230	9.20E-04	2.06E-03	3.97E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	574141007	2/21/2022	Thorium-230	1.50E-03	8.24E-04	1.43E-03	pCi/m3	UI
1109	578170006	3/21/2022	Thorium-230	-3.45E-04	6.74E-04	2.14E-03	pCi/m3	U
1109	582160007	4/18/2022	Thorium-230	-6.82E-04	7.92E-04	2.45E-03	pCi/m3	U
1109	585159007	5/16/2022	Thorium-230	3.19E-04	5.46E-04	1.78E-03	pCi/m3	U
1109	587304007	6/13/2022	Thorium-230	-1.07E-03	6.27E-04	1.82E-03	pCi/m3	U
1109	592750007	7/11/2022	Thorium-230	1.14E-03	9.03E-04	1.23E-03	pCi/m3	U
1109	592751007	8/8/2022	Thorium-230	2.83E-03	9.83E-04	2.52E-03	pCi/m3	UI
1109	600035007	9/5/2022	Thorium-230	3.49E-05	5.31E-04	1.59E-03	pCi/m3	U
1109	600037007	10/3/2022	Thorium-230	-1.19E-03	8.96E-04	2.67E-03	pCi/m3	U
1109	606085007	10/31/2022	Thorium-230	-1.93E-04	5.20E-04	1.58E-03	pCi/m3	U
1109	606539007	11/28/2022	Thorium-230	1.88E-03	1.51E-03	3.25E-03	pCi/m3	U
1109	609493007	12/26/2022	Thorium-230	6.59E-05	8.79E-04	2.93E-03	pCi/m3	U
1109	571510006	1/24/2022	Thorium-232	2.86E-03	2.34E-03	8.39E-03	pCi/m3	U
1109	574141007	2/21/2022	Thorium-232	-3.33E-04	1.33E-03	4.34E-03	pCi/m3	U
1109	578170006	3/21/2022	Thorium-232	1.18E-03	1.33E-03	3.98E-03	pCi/m3	U
1109	582160007	4/18/2022	Thorium-232	2.81E-03	1.30E-03	5.26E-03	pCi/m3	U
1109	585159007	5/16/2022	Thorium-232	2.02E-04	1.61E-03	3.82E-03	pCi/m3	U
1109	587304007	6/13/2022	Thorium-232	4.65E-04	1.49E-03	4.92E-03	pCi/m3	U
1109	592750007	7/11/2022	Thorium-232	-8.48E-04	1.11E-03	3.57E-03	pCi/m3	U
1109	592751007	8/8/2022	Thorium-232	6.83E-04	1.35E-03	3.69E-03	pCi/m3	U
1109	600035007	9/5/2022	Thorium-232	4.08E-04	1.00E-03	3.36E-03	pCi/m3	U
1109	600037007	10/3/2022	Thorium-232	-2.33E-03	2.03E-03	6.70E-03	pCi/m3	U
1109	606085007	10/31/2022	Thorium-232	1.80E-03	9.25E-04	3.49E-03	pCi/m3	U
1109	606539007	11/28/2022	Thorium-232	2.24E-05	2.32E-03	7.28E-03	pCi/m3	U
1109	609493007	12/26/2022	Thorium-232	3.50E-03	2.60E-03	7.45E-03	pCi/m3	U
1109	571510006	1/24/2022	Thorium-234	-4.31E-03	7.98E-03	2.48E-02	pCi/m3	U
1109	574141007	2/21/2022	Thorium-234	3.34E-02	1.88E-02	2.91E-02	pCi/m3	UI
1109	578170006	3/21/2022	Thorium-234	9.54E-03	1.80E-02	2.96E-02	pCi/m3	U
1109	582160007	4/18/2022	Thorium-234	1.82E-03	1.69E-03	6.07E-03	pCi/m3	U
1109	585159007	5/16/2022	Thorium-234	8.72E-03	1.81E-02	1.95E-02	pCi/m3	U
1109	587304007	6/13/2022	Thorium-234	9.41E-03	1.33E-02	2.68E-02	pCi/m3	U
1109	592750007	7/11/2022	Thorium-234	3.07E-03	9.72E-03	2.02E-02	pCi/m3	U
1109	592751007	8/8/2022	Thorium-234	-1.18E-02	1.16E-02	3.91E-02	pCi/m3	U
1109	600035007	9/5/2022	Thorium-234	-3.85E-03	9.20E-03	3.02E-02	pCi/m3	U
1109	600037007	10/3/2022	Thorium-234	1.79E-03	1.18E-02	1.93E-02	pCi/m3	U
1109	606085007	10/31/2022	Thorium-234	1.95E-02	1.25E-02	2.88E-02	pCi/m3	U
1109	606539007	11/28/2022	Thorium-234	-1.78E-02	7.78E-03	2.31E-02	pCi/m3	U
1109	609493007	12/26/2022	Thorium-234	5.20E-04	1.34E-02	2.09E-02	pCi/m3	U
1109	571510006	1/24/2022	Uranium-234	9.20E-04	2.06E-03	3.97E-03	pCi/m3	U
1109	574141007	2/21/2022	Uranium-234	1.50E-03	8.24E-04	1.43E-03	pCi/m3	UI
1109	578170006	3/21/2022	Uranium-234	-3.45E-04	6.74E-04	2.14E-03	pCi/m3	U
1109	582160007	4/18/2022	Uranium-234	-6.82E-04	7.92E-04	2.45E-03	pCi/m3	U
1109	585159007	5/16/2022	Uranium-234	3.19E-04	5.46E-04	1.78E-03	pCi/m3	U
1109	587304007	6/13/2022	Uranium-234	-1.07E-03	6.27E-04	1.82E-03	pCi/m3	U
1109	592750007	7/11/2022	Uranium-234	1.14E-03	9.03E-04	1.23E-03	pCi/m3	U
1109	592751007	8/8/2022	Uranium-234	2.83E-03	9.83E-04	2.52E-03	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	600035007	9/5/2022	Uranium-234	3.49E-05	5.31E-04	1.59E-03	pCi/m3	U
1109	600037007	10/3/2022	Uranium-234	-1.19E-03	8.96E-04	2.67E-03	pCi/m3	U
1109	606085007	10/31/2022	Uranium-234	-1.93E-04	5.20E-04	1.58E-03	pCi/m3	U
1109	606539007	11/28/2022	Uranium-234	1.88E-03	1.51E-03	3.25E-03	pCi/m3	U
1109	609493007	12/26/2022	Uranium-234	6.59E-05	8.79E-04	2.93E-03	pCi/m3	U
1109	571510006	1/24/2022	Zinc-65	4.64E-03	1.04E-03	2.77E-03	pCi/m3	UI
1109	574141007	2/21/2022	Zinc-65	3.53E-04	5.21E-04	1.69E-03	pCi/m3	U
1109	578170006	3/21/2022	Zinc-65	-2.03E-04	5.82E-04	1.87E-03	pCi/m3	U
1109	582160007	4/18/2022	Zinc-65	4.87E-04	6.57E-04	2.42E-03	pCi/m3	U
1109	585159007	5/16/2022	Zinc-65	1.83E-04	6.11E-04	2.07E-03	pCi/m3	U
1109	587304007	6/13/2022	Zinc-65	1.37E-04	7.45E-04	2.55E-03	pCi/m3	U
1109	592750007	7/11/2022	Zinc-65	1.75E-04	7.64E-04	1.77E-03	pCi/m3	U
1109	592751007	8/8/2022	Zinc-65	6.25E-05	6.49E-04	2.19E-03	pCi/m3	U
1109	600035007	9/5/2022	Zinc-65	-2.40E-03	9.35E-04	1.86E-03	pCi/m3	U
1109	600037007	10/3/2022	Zinc-65	3.64E-03	1.18E-03	3.20E-03	pCi/m3	UI
1109	606085007	10/31/2022	Zinc-65	-5.28E-06	6.10E-04	2.01E-03	pCi/m3	U
1109	606539007	11/28/2022	Zinc-65	-7.17E-04	1.20E-03	3.81E-03	pCi/m3	U
1109	609493007	12/26/2022	Zinc-65	-2.50E-04	8.18E-04	2.63E-03	pCi/m3	U
1109	571510006	1/24/2022	Zirconium-95	-8.01E-05	1.09E-03	3.47E-03	pCi/m3	U
1109	574141007	2/21/2022	Zirconium-95	-1.09E-04	5.56E-04	1.85E-03	pCi/m3	U
1109	578170006	3/21/2022	Zirconium-95	-1.93E-04	5.40E-04	1.64E-03	pCi/m3	U
1109	582160007	4/18/2022	Zirconium-95	-3.13E-05	6.87E-04	2.32E-03	pCi/m3	U
1109	585159007	5/16/2022	Zirconium-95	-2.41E-04	4.65E-04	1.47E-03	pCi/m3	U
1109	587304007	6/13/2022	Zirconium-95	-2.75E-04	7.65E-04	2.35E-03	pCi/m3	U
1109	592750007	7/11/2022	Zirconium-95	-1.11E-03	9.02E-04	2.59E-03	pCi/m3	U
1109	592751007	8/8/2022	Zirconium-95	3.14E-04	5.54E-04	1.89E-03	pCi/m3	U
1109	600035007	9/5/2022	Zirconium-95	-1.55E-04	8.52E-04	2.38E-03	pCi/m3	U
1109	600037007	10/3/2022	Zirconium-95	-1.16E-05	9.00E-04	2.88E-03	pCi/m3	U
1109	606085007	10/31/2022	Zirconium-95	5.66E-04	6.41E-04	2.31E-03	pCi/m3	U
1109	606539007	11/28/2022	Zirconium-95	8.35E-04	1.08E-03	3.76E-03	pCi/m3	U
1109	609493007	12/26/2022	Zirconium-95	1.16E-03	1.11E-03	3.96E-03	pCi/m3	U
1110	571510007	1/24/2022	Actinium-228	-7.10E-04	1.72E-03	5.65E-03	pCi/m3	U
1110	574141009	2/21/2022	Actinium-228	5.13E-04	1.80E-03	4.33E-03	pCi/m3	U
1110	578170008	3/21/2022	Actinium-228	1.62E-03	9.59E-04	3.78E-03	pCi/m3	U
1110	582160009	4/18/2022	Actinium-228	-1.67E-03	1.12E-03	2.58E-03	pCi/m3	U
1110	585159009	5/16/2022	Actinium-228	2.15E-04	1.27E-03	3.42E-03	pCi/m3	U
1110	587304009	6/13/2022	Actinium-228	5.85E-04	1.39E-03	3.43E-03	pCi/m3	U
1110	592750009	7/11/2022	Actinium-228	2.44E-03	1.14E-03	3.74E-03	pCi/m3	U
1110	592751009	8/8/2022	Actinium-228	-1.73E-03	9.20E-04	2.57E-03	pCi/m3	U
1110	600035009	9/5/2022	Actinium-228	-5.44E-04	1.22E-03	3.93E-03	pCi/m3	U
1110	600037009	10/3/2022	Actinium-228	-9.37E-05	1.16E-03	4.08E-03	pCi/m3	U
1110	606085009	10/31/2022	Actinium-228	1.12E-03	1.29E-03	4.24E-03	pCi/m3	U
1110	606539009	11/28/2022	Actinium-228	-1.11E-03	1.24E-03	3.99E-03	pCi/m3	U
1110	609493009	12/26/2022	Actinium-228	1.45E-04	1.17E-03	3.98E-03	pCi/m3	U
1110	571510007	1/24/2022	Americium-241	4.95E-04	7.42E-04	2.65E-03	pCi/m3	U
1110	574141009	2/21/2022	Americium-241	-5.84E-04	6.08E-04	1.94E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	578170008	3/21/2022	Americium-241	-1.21E-04	2.37E-04	7.07E-04	pCi/m3	U
1110	582160009	4/18/2022	Americium-241	-1.37E-04	7.76E-04	2.61E-03	pCi/m3	U
1110	585159009	5/16/2022	Americium-241	-8.17E-04	6.64E-04	2.07E-03	pCi/m3	U
1110	587304009	6/13/2022	Americium-241	-7.43E-04	5.16E-04	1.59E-03	pCi/m3	U
1110	592750009	7/11/2022	Americium-241	3.87E-04	9.36E-04	3.11E-03	pCi/m3	U
1110	592751009	8/8/2022	Americium-241	-9.16E-04	9.22E-04	2.73E-03	pCi/m3	U
1110	600035009	9/5/2022	Americium-241	-1.36E-04	1.01E-03	3.33E-03	pCi/m3	U
1110	600037009	10/3/2022	Americium-241	-2.19E-04	1.02E-03	3.01E-03	pCi/m3	U
1110	606085009	10/31/2022	Americium-241	4.01E-03	2.49E-03	4.49E-03	pCi/m3	U
1110	606539009	11/28/2022	Americium-241	-2.60E-04	1.16E-03	3.43E-03	pCi/m3	U
1110	609493009	12/26/2022	Americium-241	1.61E-04	4.98E-04	1.73E-03	pCi/m3	U
1110	571510007	1/24/2022	Antimony-124	1.44E-03	8.33E-04	3.88E-03	pCi/m3	U
1110	574141009	2/21/2022	Antimony-124	3.44E-04	8.21E-04	2.91E-03	pCi/m3	U
1110	578170008	3/21/2022	Antimony-124	5.74E-04	1.05E-03	3.69E-03	pCi/m3	U
1110	582160009	4/18/2022	Antimony-124	-1.28E-04	8.38E-04	2.68E-03	pCi/m3	U
1110	585159009	5/16/2022	Antimony-124	2.75E-04	1.07E-03	3.63E-03	pCi/m3	U
1110	587304009	6/13/2022	Antimony-124	-2.23E-04	7.51E-04	2.30E-03	pCi/m3	U
1110	592750009	7/11/2022	Antimony-124	-8.26E-05	9.99E-04	3.18E-03	pCi/m3	U
1110	592751009	8/8/2022	Antimony-124	9.98E-04	8.84E-04	3.43E-03	pCi/m3	U
1110	600035009	9/5/2022	Antimony-124	8.31E-04	7.82E-04	3.22E-03	pCi/m3	U
1110	600037009	10/3/2022	Antimony-124	1.21E-03	7.97E-04	3.21E-03	pCi/m3	U
1110	606085009	10/31/2022	Antimony-124	-2.89E-05	9.11E-04	2.95E-03	pCi/m3	U
1110	606539009	11/28/2022	Antimony-124	6.55E-04	9.82E-04	3.62E-03	pCi/m3	U
1110	609493009	12/26/2022	Antimony-124	-7.55E-04	6.62E-04	1.70E-03	pCi/m3	U
1110	571510007	1/24/2022	Antimony-125	-5.19E-05	6.19E-04	2.09E-03	pCi/m3	U
1110	574141009	2/21/2022	Antimony-125	3.29E-04	5.75E-04	1.97E-03	pCi/m3	U
1110	578170008	3/21/2022	Antimony-125	6.33E-04	6.60E-04	2.33E-03	pCi/m3	U
1110	582160009	4/18/2022	Antimony-125	8.35E-04	4.93E-04	1.86E-03	pCi/m3	U
1110	585159009	5/16/2022	Antimony-125	6.15E-05	5.56E-04	1.89E-03	pCi/m3	U
1110	587304009	6/13/2022	Antimony-125	1.38E-05	4.79E-04	1.60E-03	pCi/m3	U
1110	592750009	7/11/2022	Antimony-125	-5.92E-04	5.44E-04	1.65E-03	pCi/m3	U
1110	592751009	8/8/2022	Antimony-125	-1.48E-04	4.41E-04	1.38E-03	pCi/m3	U
1110	600035009	9/5/2022	Antimony-125	3.72E-04	6.91E-04	2.35E-03	pCi/m3	U
1110	600037009	10/3/2022	Antimony-125	9.50E-04	4.54E-04	1.75E-03	pCi/m3	U
1110	606085009	10/31/2022	Antimony-125	6.11E-04	5.17E-04	1.91E-03	pCi/m3	U
1110	606539009	11/28/2022	Antimony-125	5.11E-04	6.63E-04	2.27E-03	pCi/m3	U
1110	609493009	12/26/2022	Antimony-125	2.43E-04	4.71E-04	1.63E-03	pCi/m3	U
1110	571510007	1/24/2022	Barium-140	9.83E-03	6.44E-03	2.48E-02	pCi/m3	U
1110	574141009	2/21/2022	Barium-140	3.01E-03	4.27E-03	1.46E-02	pCi/m3	U
1110	578170008	3/21/2022	Barium-140	1.15E-02	6.78E-03	2.53E-02	pCi/m3	U
1110	582160009	4/18/2022	Barium-140	-7.27E-03	1.43E-02	4.56E-02	pCi/m3	U
1110	585159009	5/16/2022	Barium-140	1.82E-03	1.23E-02	4.13E-02	pCi/m3	U
1110	587304009	6/13/2022	Barium-140	-4.77E-03	5.84E-03	1.77E-02	pCi/m3	U
1110	592750009	7/11/2022	Barium-140	-2.46E-02	3.19E-02	9.66E-02	pCi/m3	U
1110	592751009	8/8/2022	Barium-140	1.07E-02	8.02E-03	2.76E-02	pCi/m3	U
1110	600035009	9/5/2022	Barium-140	6.61E-02	4.87E-02	1.03E-01	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1110	600037009	10/3/2022	Barium-140	2.36E-03	4.66E-03	1.53E-02	pCi/m3	U
1110	606085009	10/31/2022	Barium-140	4.30E-02	2.52E-02	9.68E-02	pCi/m3	U
1110	606539009	11/28/2022	Barium-140	-1.06E-02	1.07E-02	3.19E-02	pCi/m3	U
1110	609493009	12/26/2022	Barium-140	3.94E-03	6.25E-03	2.17E-02	pCi/m3	U
1110	571510007	1/24/2022	Beryllium-7	1.09E-01	9.44E-03	1.17E-02	pCi/m3	
1110	574141009	2/21/2022	Beryllium-7	1.31E-01	8.33E-03	7.43E-03	pCi/m3	
1110	578170008	3/21/2022	Beryllium-7	1.32E-01	8.54E-03	9.23E-03	pCi/m3	
1110	582160009	4/18/2022	Beryllium-7	1.56E-01	1.10E-02	8.51E-03	pCi/m3	
1110	585159009	5/16/2022	Beryllium-7	1.35E-01	1.06E-02	1.21E-02	pCi/m3	
1110	587304009	6/13/2022	Beryllium-7	1.16E-01	7.16E-03	7.09E-03	pCi/m3	
1110	592750009	7/11/2022	Beryllium-7	1.16E-01	1.14E-02	1.24E-02	pCi/m3	
1110	592751009	8/8/2022	Beryllium-7	9.67E-02	7.11E-03	7.63E-03	pCi/m3	
1110	600035009	9/5/2022	Beryllium-7	1.10E-01	1.17E-02	1.50E-02	pCi/m3	
1110	600037009	10/3/2022	Beryllium-7	1.18E-01	8.06E-03	6.32E-03	pCi/m3	
1110	606085009	10/31/2022	Beryllium-7	1.13E-01	1.27E-02	1.18E-02	pCi/m3	
1110	606539009	11/28/2022	Beryllium-7	1.13E-01	9.85E-03	1.03E-02	pCi/m3	
1110	609493009	12/26/2022	Beryllium-7	9.57E-02	6.94E-03	8.73E-03	pCi/m3	
1110	566163023	1/3/2022	BETA	2.35E-02	1.47E-03	1.61E-03	pCi/m3	
1110	566828017	1/10/2022	BETA	4.56E-02	2.00E-03	1.55E-03	pCi/m3	
1110	567642019	1/18/2022	BETA	8.14E-02	2.90E-03	1.88E-03	pCi/m3	
1110	568219019	1/24/2022	BETA	2.86E-02	1.35E-03	1.23E-03	pCi/m3	
1110	568939019	1/31/2022	BETA	4.81E-02	1.95E-03	1.56E-03	pCi/m3	
1110	569538025	2/7/2022	BETA	4.12E-02	1.86E-03	1.44E-03	pCi/m3	
1110	570263019	2/14/2022	BETA	4.81E-02	2.01E-03	1.57E-03	pCi/m3	
1110	571003023	2/21/2022	BETA	4.72E-02	2.02E-03	1.49E-03	pCi/m3	
1110	571635019	2/28/2022	BETA	2.55E-02	1.48E-03	1.59E-03	pCi/m3	
1110	572313019	3/7/2022	BETA	5.93E-02	2.21E-03	1.52E-03	pCi/m3	
1110	573042021	3/14/2022	BETA	3.46E-02	1.72E-03	1.51E-03	pCi/m3	
1110	573808015	3/21/2022	BETA	2.42E-02	1.46E-03	1.52E-03	pCi/m3	
1110	574541019	3/28/2022	BETA	2.76E-02	1.65E-03	1.83E-03	pCi/m3	
1110	575128017	4/4/2022	BETA	3.51E-02	1.74E-03	1.62E-03	pCi/m3	
1110	576089017	4/11/2022	BETA	2.83E-02	1.54E-03	1.49E-03	pCi/m3	
1110	576842017	4/18/2022	BETA	3.21E-02	1.71E-03	1.56E-03	pCi/m3	
1110	577600017	4/25/2022	BETA	3.75E-02	1.81E-03	1.80E-03	pCi/m3	
1110	578408017	5/3/2022	BETA	3.67E-02	1.66E-03	1.34E-03	pCi/m3	
1110	579260021	5/9/2022	BETA	2.52E-02	1.58E-03	1.66E-03	pCi/m3	
1110	580039017	5/16/2022	BETA	3.65E-02	1.79E-03	1.68E-03	pCi/m3	
1110	580690017	5/23/2022	BETA	4.38E-02	1.94E-03	1.55E-03	pCi/m3	
1110	581375017	5/30/2022	BETA	3.46E-02	1.69E-03	1.46E-03	pCi/m3	
1110	581944015	6/6/2022	BETA	3.28E-02	1.39E-03	1.06E-03	pCi/m3	
1110	582792017	6/13/2022	BETA	2.86E-02	1.36E-03	1.28E-03	pCi/m3	
1110	583523019	6/20/2022	BETA	3.63E-02	1.50E-03	1.31E-03	pCi/m3	
1110	584133017	6/27/2022	BETA	3.96E-02	1.56E-03	1.14E-03	pCi/m3	
1110	584820017	7/4/2022	BETA	2.29E-02	1.26E-03	1.35E-03	pCi/m3	
1110	585556017	7/11/2022	BETA	2.13E-02	1.14E-03	1.04E-03	pCi/m3	
1110	586336017	7/18/2022	BETA	2.95E-02	1.32E-03	1.04E-03	pCi/m3	

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	587158017	7/25/2022	BETA	2.79E-02	1.35E-03	1.30E-03	pCi/m3	
1110	587887017	8/1/2022	BETA	1.87E-02	1.09E-03	1.08E-03	pCi/m3	
1110	588821021	8/8/2022	BETA	1.91E-02	1.15E-03	1.36E-03	pCi/m3	
1110	589631021	8/15/2022	BETA	2.73E-02	1.29E-03	1.08E-03	pCi/m3	
1110	590529017	8/22/2022	BETA	4.46E-02	1.66E-03	1.15E-03	pCi/m3	
1110	590546021	8/29/2022	BETA	2.24E-02	1.20E-03	1.20E-03	pCi/m3	
1110	592023017	9/5/2022	BETA	2.64E-02	1.33E-03	1.27E-03	pCi/m3	
1110	592701017	9/12/2022	BETA	2.38E-02	1.22E-03	1.07E-03	pCi/m3	
1110	593604019	9/19/2022	BETA	4.64E-02	1.72E-03	1.25E-03	pCi/m3	
1110	594422017	9/26/2022	BETA	4.28E-02	1.61E-03	1.09E-03	pCi/m3	
1110	594990017	10/3/2022	BETA	2.61E-02	1.31E-03	1.25E-03	pCi/m3	
1110	596158017	10/10/2022	BETA	3.81E-02	1.53E-03	1.10E-03	pCi/m3	
1110	597076017	10/17/2022	BETA	3.94E-02	1.54E-03	1.08E-03	pCi/m3	
1110	597935017	10/24/2022	BETA	4.27E-02	1.63E-03	1.25E-03	pCi/m3	
1110	598808017	10/31/2022	BETA	3.09E-02	1.43E-03	1.30E-03	pCi/m3	
1110	599716017	11/7/2022	BETA	5.33E-02	1.81E-03	1.11E-03	pCi/m3	
1110	600681017	11/14/2022	BETA	3.47E-02	1.50E-03	1.14E-03	pCi/m3	
1110	601449019	11/21/2022	BETA	4.82E-02	1.77E-03	1.16E-03	pCi/m3	
1110	602125021	11/28/2022	BETA	5.02E-02	1.82E-03	1.16E-03	pCi/m3	
1110	602823025	12/5/2022	BETA	4.77E-02	1.79E-03	1.22E-03	pCi/m3	
1110	603758017	12/12/2022	BETA	2.69E-02	1.43E-03	1.35E-03	pCi/m3	
1110	604618019	12/19/2022	BETA	3.97E-02	1.61E-03	1.21E-03	pCi/m3	
1110	605325017	12/26/2022	BETA	3.94E-02	1.62E-03	1.17E-03	pCi/m3	
1110	571510007	1/24/2022	Bismuth-214	2.74E-03	1.09E-03	2.91E-03	pCi/m3	U
1110	574141009	2/21/2022	Bismuth-214	1.86E-03	7.38E-04	1.26E-03	pCi/m3	U
1110	578170008	3/21/2022	Bismuth-214	2.27E-03	1.22E-03	2.37E-03	pCi/m3	U
1110	582160009	4/18/2022	Bismuth-214	1.85E-03	8.17E-04	1.94E-03	pCi/m3	U
1110	585159009	5/16/2022	Bismuth-214	1.69E-03	8.42E-04	2.07E-03	pCi/m3	U
1110	587304009	6/13/2022	Bismuth-214	6.90E-04	6.88E-04	1.59E-03	pCi/m3	U
1110	592750009	7/11/2022	Bismuth-214	7.02E-04	8.08E-04	1.42E-03	pCi/m3	U
1110	592751009	8/8/2022	Bismuth-214	8.68E-04	7.01E-04	1.73E-03	pCi/m3	U
1110	600035009	9/5/2022	Bismuth-214	1.33E-03	1.13E-03	2.58E-03	pCi/m3	U
1110	600037009	10/3/2022	Bismuth-214	-2.46E-04	5.07E-04	1.59E-03	pCi/m3	U
1110	606085009	10/31/2022	Bismuth-214	7.87E-04	9.17E-04	2.10E-03	pCi/m3	U
1110	606539009	11/28/2022	Bismuth-214	7.24E-04	9.24E-04	1.43E-03	pCi/m3	U
1110	609493009	12/26/2022	Bismuth-214	1.05E-03	4.78E-04	1.78E-03	pCi/m3	U
1110	571510007	1/24/2022	Cerium-141	3.89E-04	6.97E-04	2.17E-03	pCi/m3	U
1110	574141009	2/21/2022	Cerium-141	-9.15E-04	4.58E-04	1.25E-03	pCi/m3	U
1110	578170008	3/21/2022	Cerium-141	-1.14E-03	5.17E-04	1.44E-03	pCi/m3	U
1110	582160009	4/18/2022	Cerium-141	-3.07E-04	6.68E-04	2.13E-03	pCi/m3	U
1110	585159009	5/16/2022	Cerium-141	1.82E-03	9.63E-04	1.81E-03	pCi/m3	UI
1110	587304009	6/13/2022	Cerium-141	-1.02E-03	4.43E-04	1.23E-03	pCi/m3	U
1110	592750009	7/11/2022	Cerium-141	-1.91E-03	1.13E-03	3.22E-03	pCi/m3	U
1110	592751009	8/8/2022	Cerium-141	6.47E-05	4.74E-04	1.43E-03	pCi/m3	U
1110	600035009	9/5/2022	Cerium-141	-9.22E-04	1.06E-03	3.22E-03	pCi/m3	U
1110	600037009	10/3/2022	Cerium-141	-4.12E-04	5.56E-04	1.68E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	606085009	10/31/2022	Cerium-141	-1.27E-03	1.06E-03	3.28E-03	pCi/m3	U
1110	606539009	11/28/2022	Cerium-141	1.87E-03	1.22E-03	2.17E-03	pCi/m3	U
1110	609493009	12/26/2022	Cerium-141	2.28E-05	5.30E-04	1.73E-03	pCi/m3	U
1110	571510007	1/24/2022	Cerium-144	-2.68E-04	1.23E-03	4.04E-03	pCi/m3	U
1110	574141009	2/21/2022	Cerium-144	3.64E-04	9.36E-04	3.07E-03	pCi/m3	U
1110	578170008	3/21/2022	Cerium-144	4.83E-04	8.85E-04	2.93E-03	pCi/m3	U
1110	582160009	4/18/2022	Cerium-144	1.35E-03	8.23E-04	2.97E-03	pCi/m3	U
1110	585159009	5/16/2022	Cerium-144	-1.12E-04	1.10E-03	3.53E-03	pCi/m3	U
1110	587304009	6/13/2022	Cerium-144	-7.06E-04	7.20E-04	2.18E-03	pCi/m3	U
1110	592750009	7/11/2022	Cerium-144	7.95E-04	1.01E-03	3.34E-03	pCi/m3	U
1110	592751009	8/8/2022	Cerium-144	-1.05E-03	7.95E-04	2.34E-03	pCi/m3	U
1110	600035009	9/5/2022	Cerium-144	-1.38E-03	1.33E-03	3.67E-03	pCi/m3	U
1110	600037009	10/3/2022	Cerium-144	1.33E-03	9.75E-04	3.32E-03	pCi/m3	U
1110	606085009	10/31/2022	Cerium-144	7.53E-04	1.12E-03	3.83E-03	pCi/m3	U
1110	606539009	11/28/2022	Cerium-144	-1.08E-04	1.30E-03	4.04E-03	pCi/m3	U
1110	609493009	12/26/2022	Cerium-144	4.97E-04	8.93E-04	3.01E-03	pCi/m3	U
1110	571510007	1/24/2022	Cesium-134	1.18E-04	3.89E-04	1.14E-03	pCi/m3	U
1110	574141009	2/21/2022	Cesium-134	2.20E-04	2.41E-04	8.75E-04	pCi/m3	U
1110	578170008	3/21/2022	Cesium-134	4.70E-04	3.27E-04	1.19E-03	pCi/m3	U
1110	582160009	4/18/2022	Cesium-134	1.43E-04	1.84E-04	6.62E-04	pCi/m3	U
1110	585159009	5/16/2022	Cesium-134	1.22E-04	2.77E-04	9.34E-04	pCi/m3	U
1110	587304009	6/13/2022	Cesium-134	4.14E-05	1.97E-04	6.43E-04	pCi/m3	U
1110	592750009	7/11/2022	Cesium-134	1.79E-04	2.41E-04	8.31E-04	pCi/m3	U
1110	592751009	8/8/2022	Cesium-134	-3.15E-04	2.60E-04	5.85E-04	pCi/m3	U
1110	600035009	9/5/2022	Cesium-134	3.71E-04	2.48E-04	9.95E-04	pCi/m3	U
1110	600037009	10/3/2022	Cesium-134	4.92E-05	2.80E-04	9.08E-04	pCi/m3	U
1110	606085009	10/31/2022	Cesium-134	1.69E-04	3.21E-04	8.34E-04	pCi/m3	U
1110	606539009	11/28/2022	Cesium-134	2.48E-04	3.26E-04	1.16E-03	pCi/m3	U
1110	609493009	12/26/2022	Cesium-134	-1.87E-05	2.96E-04	8.16E-04	pCi/m3	U
1110	571510007	1/24/2022	Cesium-137	1.10E-04	3.17E-04	1.08E-03	pCi/m3	U
1110	574141009	2/21/2022	Cesium-137	2.16E-04	5.55E-04	6.47E-04	pCi/m3	U
1110	578170008	3/21/2022	Cesium-137	4.48E-05	2.76E-04	9.03E-04	pCi/m3	U
1110	582160009	4/18/2022	Cesium-137	1.58E-04	1.57E-04	5.80E-04	pCi/m3	U
1110	585159009	5/16/2022	Cesium-137	-1.15E-05	2.18E-04	7.11E-04	pCi/m3	U
1110	587304009	6/13/2022	Cesium-137	1.63E-04	2.00E-04	6.91E-04	pCi/m3	U
1110	592750009	7/11/2022	Cesium-137	-2.24E-04	2.26E-04	6.56E-04	pCi/m3	U
1110	592751009	8/8/2022	Cesium-137	3.33E-04	3.35E-04	9.09E-04	pCi/m3	U
1110	600035009	9/5/2022	Cesium-137	-1.89E-04	2.81E-04	8.48E-04	pCi/m3	U
1110	600037009	10/3/2022	Cesium-137	3.11E-04	2.19E-04	7.99E-04	pCi/m3	U
1110	606085009	10/31/2022	Cesium-137	3.09E-05	2.64E-04	8.37E-04	pCi/m3	U
1110	606539009	11/28/2022	Cesium-137	2.05E-04	2.82E-04	9.50E-04	pCi/m3	U
1110	609493009	12/26/2022	Cesium-137	3.77E-04	3.60E-04	6.87E-04	pCi/m3	U
1110	571510007	1/24/2022	Chromium-51	-6.14E-03	5.18E-03	1.46E-02	pCi/m3	U
1110	574141009	2/21/2022	Chromium-51	2.28E-04	3.09E-03	1.05E-02	pCi/m3	U
1110	578170008	3/21/2022	Chromium-51	6.21E-03	4.14E-03	1.52E-02	pCi/m3	U
1110	582160009	4/18/2022	Chromium-51	9.51E-03	5.90E-03	2.09E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	585159009	5/16/2022	Chromium-51	-6.34E-04	6.83E-03	2.10E-02	pCi/m3	U
1110	587304009	6/13/2022	Chromium-51	-5.01E-04	3.73E-03	1.13E-02	pCi/m3	U
1110	592750009	7/11/2022	Chromium-51	5.30E-02	3.25E-02	2.63E-02	pCi/m3	UI
1110	592751009	8/8/2022	Chromium-51	-4.38E-03	3.93E-03	1.21E-02	pCi/m3	U
1110	600035009	9/5/2022	Chromium-51	1.19E-02	8.89E-03	3.19E-02	pCi/m3	U
1110	600037009	10/3/2022	Chromium-51	-1.17E-03	3.59E-03	1.18E-02	pCi/m3	U
1110	606085009	10/31/2022	Chromium-51	3.53E-02	1.13E-02	2.28E-02	pCi/m3	UI
1110	606539009	11/28/2022	Chromium-51	4.17E-03	5.79E-03	1.99E-02	pCi/m3	U
1110	609493009	12/26/2022	Chromium-51	6.36E-03	3.75E-03	1.40E-02	pCi/m3	U
1110	571510007	1/24/2022	Cobalt-57	-1.53E-04	1.74E-04	5.09E-04	pCi/m3	U
1110	574141009	2/21/2022	Cobalt-57	-1.42E-04	1.14E-04	3.42E-04	pCi/m3	U
1110	578170008	3/21/2022	Cobalt-57	-1.28E-04	1.07E-04	3.17E-04	pCi/m3	U
1110	582160009	4/18/2022	Cobalt-57	-2.23E-05	1.17E-04	3.81E-04	pCi/m3	U
1110	585159009	5/16/2022	Cobalt-57	-5.55E-05	1.20E-04	3.81E-04	pCi/m3	U
1110	587304009	6/13/2022	Cobalt-57	1.59E-05	9.08E-05	2.96E-04	pCi/m3	U
1110	592750009	7/11/2022	Cobalt-57	9.90E-05	1.30E-04	4.30E-04	pCi/m3	U
1110	592751009	8/8/2022	Cobalt-57	-1.79E-04	1.07E-04	3.11E-04	pCi/m3	U
1110	600035009	9/5/2022	Cobalt-57	1.26E-04	1.55E-04	5.18E-04	pCi/m3	U
1110	600037009	10/3/2022	Cobalt-57	1.61E-04	1.19E-04	4.08E-04	pCi/m3	U
1110	606085009	10/31/2022	Cobalt-57	1.58E-04	1.54E-04	5.36E-04	pCi/m3	U
1110	606539009	11/28/2022	Cobalt-57	-7.06E-05	1.72E-04	5.29E-04	pCi/m3	U
1110	609493009	12/26/2022	Cobalt-57	2.12E-04	1.14E-04	4.11E-04	pCi/m3	U
1110	571510007	1/24/2022	Cobalt-58	-3.03E-04	4.25E-04	1.05E-03	pCi/m3	U
1110	574141009	2/21/2022	Cobalt-58	-2.15E-04	2.56E-04	7.94E-04	pCi/m3	U
1110	578170008	3/21/2022	Cobalt-58	-2.18E-04	3.62E-04	1.16E-03	pCi/m3	U
1110	582160009	4/18/2022	Cobalt-58	4.48E-04	3.40E-04	1.26E-03	pCi/m3	U
1110	585159009	5/16/2022	Cobalt-58	6.93E-04	3.93E-04	1.47E-03	pCi/m3	U
1110	587304009	6/13/2022	Cobalt-58	1.29E-04	2.65E-04	8.90E-04	pCi/m3	U
1110	592750009	7/11/2022	Cobalt-58	5.06E-04	4.23E-04	1.51E-03	pCi/m3	U
1110	592751009	8/8/2022	Cobalt-58	4.11E-06	2.30E-04	6.56E-04	pCi/m3	U
1110	600035009	9/5/2022	Cobalt-58	1.08E-04	3.94E-04	1.23E-03	pCi/m3	U
1110	600037009	10/3/2022	Cobalt-58	-1.65E-04	3.10E-04	9.25E-04	pCi/m3	U
1110	606085009	10/31/2022	Cobalt-58	-3.49E-04	3.77E-04	1.06E-03	pCi/m3	U
1110	606539009	11/28/2022	Cobalt-58	5.15E-04	3.80E-04	1.39E-03	pCi/m3	U
1110	609493009	12/26/2022	Cobalt-58	-6.29E-05	3.05E-04	9.47E-04	pCi/m3	U
1110	571510007	1/24/2022	Cobalt-60	2.45E-04	2.37E-04	9.67E-04	pCi/m3	U
1110	574141009	2/21/2022	Cobalt-60	-4.99E-04	2.49E-04	6.26E-04	pCi/m3	U
1110	578170008	3/21/2022	Cobalt-60	-7.86E-06	2.53E-04	8.23E-04	pCi/m3	U
1110	582160009	4/18/2022	Cobalt-60	1.92E-05	1.68E-04	5.80E-04	pCi/m3	U
1110	585159009	5/16/2022	Cobalt-60	1.60E-04	2.36E-04	8.62E-04	pCi/m3	U
1110	587304009	6/13/2022	Cobalt-60	3.30E-04	2.60E-04	9.67E-04	pCi/m3	U
1110	592750009	7/11/2022	Cobalt-60	-7.63E-04	2.50E-04	3.25E-04	pCi/m3	U
1110	592751009	8/8/2022	Cobalt-60	2.02E-04	2.98E-04	1.05E-03	pCi/m3	U
1110	600035009	9/5/2022	Cobalt-60	-2.65E-04	3.96E-04	1.00E-03	pCi/m3	U
1110	600037009	10/3/2022	Cobalt-60	-9.32E-05	2.45E-04	7.67E-04	pCi/m3	U
1110	606085009	10/31/2022	Cobalt-60	-2.21E-04	2.43E-04	6.81E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	606539009	11/28/2022	Cobalt-60	1.38E-04	2.52E-04	8.86E-04	pCi/m3	U
1110	609493009	12/26/2022	Cobalt-60	4.39E-05	2.91E-04	9.69E-04	pCi/m3	U
1110	571510007	1/24/2022	Iron-59	6.99E-04	9.27E-04	3.48E-03	pCi/m3	U
1110	574141009	2/21/2022	Iron-59	1.40E-03	7.13E-04	2.61E-03	pCi/m3	U
1110	578170008	3/21/2022	Iron-59	4.98E-04	7.31E-04	2.67E-03	pCi/m3	U
1110	582160009	4/18/2022	Iron-59	-2.09E-03	8.68E-04	1.20E-03	pCi/m3	U
1110	585159009	5/16/2022	Iron-59	-1.40E-03	8.43E-04	2.23E-03	pCi/m3	U
1110	587304009	6/13/2022	Iron-59	6.15E-04	5.80E-04	2.19E-03	pCi/m3	U
1110	592750009	7/11/2022	Iron-59	-7.72E-04	1.06E-03	3.19E-03	pCi/m3	U
1110	592751009	8/8/2022	Iron-59	4.81E-04	9.20E-04	3.22E-03	pCi/m3	U
1110	600035009	9/5/2022	Iron-59	3.00E-04	1.42E-03	4.80E-03	pCi/m3	U
1110	600037009	10/3/2022	Iron-59	-2.70E-05	5.38E-04	1.79E-03	pCi/m3	U
1110	606085009	10/31/2022	Iron-59	-4.73E-05	1.30E-03	4.40E-03	pCi/m3	U
1110	606539009	11/28/2022	Iron-59	6.70E-04	9.24E-04	3.29E-03	pCi/m3	U
1110	609493009	12/26/2022	Iron-59	2.17E-05	8.59E-04	2.87E-03	pCi/m3	U
1110	571510007	1/24/2022	Lanthanum-140	7.74E-05	3.39E-03	1.12E-02	pCi/m3	U
1110	574141009	2/21/2022	Lanthanum-140	-1.96E-03	1.46E-03	3.84E-03	pCi/m3	U
1110	578170008	3/21/2022	Lanthanum-140	6.48E-04	2.51E-03	8.49E-03	pCi/m3	U
1110	582160009	4/18/2022	Lanthanum-140	8.27E-03	6.66E-03	2.61E-02	pCi/m3	U
1110	585159009	5/16/2022	Lanthanum-140	2.90E-03	4.98E-03	1.78E-02	pCi/m3	U
1110	587304009	6/13/2022	Lanthanum-140	-4.15E-03	2.15E-03	3.61E-03	pCi/m3	U
1110	592750009	7/11/2022	Lanthanum-140	-1.07E-03	1.36E-02	4.35E-02	pCi/m3	U
1110	592751009	8/8/2022	Lanthanum-140	-5.20E-03	2.50E-03	4.35E-03	pCi/m3	U
1110	600035009	9/5/2022	Lanthanum-140	1.16E-02	1.19E-02	4.35E-02	pCi/m3	U
1110	600037009	10/3/2022	Lanthanum-140	-1.84E-03	1.53E-03	3.43E-03	pCi/m3	U
1110	606085009	10/31/2022	Lanthanum-140	1.13E-02	1.15E-02	4.35E-02	pCi/m3	U
1110	606539009	11/28/2022	Lanthanum-140	-6.64E-03	3.83E-03	9.66E-03	pCi/m3	U
1110	609493009	12/26/2022	Lanthanum-140	1.14E-03	3.14E-03	1.06E-02	pCi/m3	U
1110	571510007	1/24/2022	Lead-210	5.89E-02	3.70E-02	6.95E-02	pCi/m3	U
1110	574141009	2/21/2022	Lead-210	-1.52E-03	1.44E-02	4.81E-02	pCi/m3	U
1110	578170008	3/21/2022	Lead-210	2.30E-02	4.22E-03	6.45E-03	pCi/m3	U
1110	582160009	4/18/2022	Lead-210	-2.35E-03	3.13E-02	9.68E-02	pCi/m3	U
1110	585159009	5/16/2022	Lead-210	-1.35E-02	2.03E-02	5.70E-02	pCi/m3	U
1110	587304009	6/13/2022	Lead-210	4.15E-02	3.49E-02	4.11E-02	pCi/m3	UI
1110	592750009	7/11/2022	Lead-210	1.27E-02	3.58E-02	1.20E-01	pCi/m3	U
1110	592751009	8/8/2022	Lead-210	8.97E-02	6.56E-02	1.54E-01	pCi/m3	U
1110	600035009	9/5/2022	Lead-210	-9.61E-03	3.71E-02	1.23E-01	pCi/m3	U
1110	600037009	10/3/2022	Lead-210	7.79E-02	4.70E-02	1.12E-01	pCi/m3	U
1110	606085009	10/31/2022	Lead-210	7.37E-02	1.38E-01	2.14E-01	pCi/m3	U
1110	606539009	11/28/2022	Lead-210	-2.60E-02	4.24E-02	1.31E-01	pCi/m3	U
1110	609493009	12/26/2022	Lead-210	1.67E-02	2.40E-02	3.88E-02	pCi/m3	U
1110	571510007	1/24/2022	Lead-212	4.78E-04	8.08E-04	1.73E-03	pCi/m3	U
1110	574141009	2/21/2022	Lead-212	9.53E-05	5.56E-04	1.04E-03	pCi/m3	U
1110	578170008	3/21/2022	Lead-212	1.95E-03	6.01E-04	9.81E-04	pCi/m3	U
1110	582160009	4/18/2022	Lead-212	4.99E-04	5.46E-04	8.43E-04	pCi/m3	U
1110	585159009	5/16/2022	Lead-212	9.25E-04	7.67E-04	1.49E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	587304009	6/13/2022	Lead-212	5.80E-04	4.37E-04	8.22E-04	pCi/m3	U
1110	592750009	7/11/2022	Lead-212	-4.10E-04	3.73E-04	1.22E-03	pCi/m3	U
1110	592751009	8/8/2022	Lead-212	4.63E-04	5.31E-04	1.22E-03	pCi/m3	U
1110	600035009	9/5/2022	Lead-212	-1.57E-04	4.10E-04	1.32E-03	pCi/m3	U
1110	600037009	10/3/2022	Lead-212	-1.36E-05	3.69E-04	1.22E-03	pCi/m3	U
1110	606085009	10/31/2022	Lead-212	1.62E-03	6.31E-04	1.39E-03	pCi/m3	UI
1110	606539009	11/28/2022	Lead-212	2.48E-03	9.27E-04	1.74E-03	pCi/m3	UI
1110	609493009	12/26/2022	Lead-212	8.55E-04	4.08E-04	7.24E-04	pCi/m3	UI
1110	571510007	1/24/2022	Lead-214	8.48E-06	1.31E-03	2.52E-03	pCi/m3	U
1110	574141009	2/21/2022	Lead-214	1.56E-03	8.90E-04	1.88E-03	pCi/m3	U
1110	578170008	3/21/2022	Lead-214	1.76E-03	1.00E-03	2.29E-03	pCi/m3	U
1110	582160009	4/18/2022	Lead-214	8.26E-05	5.19E-04	1.67E-03	pCi/m3	U
1110	585159009	5/16/2022	Lead-214	1.02E-03	1.04E-03	1.76E-03	pCi/m3	U
1110	587304009	6/13/2022	Lead-214	8.20E-04	7.51E-04	1.43E-03	pCi/m3	U
1110	592750009	7/11/2022	Lead-214	1.22E-03	7.19E-04	1.51E-03	pCi/m3	U
1110	592751009	8/8/2022	Lead-214	3.13E-04	4.34E-04	1.44E-03	pCi/m3	U
1110	600035009	9/5/2022	Lead-214	2.16E-03	8.83E-04	1.52E-03	pCi/m3	U
1110	600037009	10/3/2022	Lead-214	6.24E-04	4.44E-04	1.60E-03	pCi/m3	U
1110	606085009	10/31/2022	Lead-214	-5.90E-04	4.73E-04	1.54E-03	pCi/m3	U
1110	606539009	11/28/2022	Lead-214	-7.42E-04	5.71E-04	1.76E-03	pCi/m3	U
1110	609493009	12/26/2022	Lead-214	7.37E-04	6.58E-04	1.56E-03	pCi/m3	U
1110	571510007	1/24/2022	Manganese-54	9.31E-04	3.28E-04	9.18E-04	pCi/m3	UI
1110	574141009	2/21/2022	Manganese-54	1.10E-03	3.67E-04	5.94E-04	pCi/m3	UI
1110	578170008	3/21/2022	Manganese-54	-3.06E-04	2.83E-04	8.61E-04	pCi/m3	U
1110	582160009	4/18/2022	Manganese-54	1.06E-03	3.27E-04	6.25E-04	pCi/m3	UI
1110	585159009	5/16/2022	Manganese-54	-2.37E-04	2.76E-04	8.15E-04	pCi/m3	U
1110	587304009	6/13/2022	Manganese-54	4.05E-06	2.04E-04	6.49E-04	pCi/m3	U
1110	592750009	7/11/2022	Manganese-54	-2.66E-04	3.01E-04	8.70E-04	pCi/m3	U
1110	592751009	8/8/2022	Manganese-54	1.34E-04	2.19E-04	7.56E-04	pCi/m3	U
1110	600035009	9/5/2022	Manganese-54	-1.29E-04	2.94E-04	9.56E-04	pCi/m3	U
1110	600037009	10/3/2022	Manganese-54	2.11E-04	2.81E-04	9.52E-04	pCi/m3	U
1110	606085009	10/31/2022	Manganese-54	1.12E-03	4.50E-04	9.69E-04	pCi/m3	UI
1110	606539009	11/28/2022	Manganese-54	1.17E-04	2.52E-04	8.80E-04	pCi/m3	U
1110	609493009	12/26/2022	Manganese-54	4.65E-04	1.86E-04	7.63E-04	pCi/m3	U
1110	571510007	1/24/2022	Molybdenum-99	-1.37E+01	3.33E+01	0.00E+00	pCi/m3	U
1110	574141009	2/21/2022	Molybdenum-99	-2.79E+00	6.94E+00	0.00E+00	pCi/m3	U
1110	578170008	3/21/2022	Molybdenum-99	-4.04E+01	3.74E+01	0.00E+00	pCi/m3	U
1110	582160009	4/18/2022	Molybdenum-99	-6.84E+02	4.60E+03	0.00E+00	pCi/m3	U
1110	585159009	5/16/2022	Molybdenum-99	1.02E+03	1.02E+03	0.00E+00	pCi/m3	UI
1110	587304009	6/13/2022	Molybdenum-99	1.12E+02	9.31E+01	0.00E+00	pCi/m3	UI
1110	592750009	7/11/2022	Molybdenum-99	2.77E+04	1.42E+05	0.00E+00	pCi/m3	UI
1110	592751009	8/8/2022	Molybdenum-99	-3.50E+00	1.03E+02	0.00E+00	pCi/m3	U
1110	600035009	9/5/2022	Molybdenum-99	1.29E+04	3.36E+04	0.00E+00	pCi/m3	UI
1110	600037009	10/3/2022	Molybdenum-99	-2.71E+01	1.89E+01	0.00E+00	pCi/m3	U
1110	606085009	10/31/2022	Molybdenum-99	-1.95E+04	4.03E+04	0.00E+00	pCi/m3	U
1110	606539009	11/28/2022	Molybdenum-99	4.81E+02	2.36E+02	0.00E+00	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	609493009	12/26/2022	Molybdenum-99	1.41E+02	1.05E+02	0.00E+00	pCi/m3	UI
1110	571510007	1/24/2022	Niobium-95	5.46E-05	4.61E-04	1.52E-03	pCi/m3	U
1110	574141009	2/21/2022	Niobium-95	-2.20E-04	3.15E-04	1.01E-03	pCi/m3	U
1110	578170008	3/21/2022	Niobium-95	-4.59E-04	5.36E-04	1.58E-03	pCi/m3	U
1110	582160009	4/18/2022	Niobium-95	5.35E-05	2.89E-04	9.70E-04	pCi/m3	U
1110	585159009	5/16/2022	Niobium-95	8.84E-05	4.12E-04	1.36E-03	pCi/m3	U
1110	587304009	6/13/2022	Niobium-95	1.38E-04	2.71E-04	9.11E-04	pCi/m3	U
1110	592750009	7/11/2022	Niobium-95	-3.53E-04	4.77E-04	1.46E-03	pCi/m3	U
1110	592751009	8/8/2022	Niobium-95	-4.56E-04	3.10E-04	8.51E-04	pCi/m3	U
1110	600035009	9/5/2022	Niobium-95	4.48E-04	4.87E-04	1.77E-03	pCi/m3	U
1110	600037009	10/3/2022	Niobium-95	4.87E-04	3.90E-04	1.37E-03	pCi/m3	U
1110	606085009	10/31/2022	Niobium-95	3.05E-04	4.57E-04	1.46E-03	pCi/m3	U
1110	606539009	11/28/2022	Niobium-95	6.31E-05	4.43E-04	1.51E-03	pCi/m3	U
1110	609493009	12/26/2022	Niobium-95	-4.55E-04	3.51E-04	9.25E-04	pCi/m3	U
1110	571510007	1/24/2022	Potassium-40	1.58E-02	4.38E-03	1.23E-02	pCi/m3	UI
1110	574141009	2/21/2022	Potassium-40	1.38E-02	4.59E-03	5.45E-03	pCi/m3	U
1110	578170008	3/21/2022	Potassium-40	1.55E-03	6.77E-03	1.43E-02	pCi/m3	U
1110	582160009	4/18/2022	Potassium-40	-4.05E-03	3.97E-03	1.25E-02	pCi/m3	U
1110	585159009	5/16/2022	Potassium-40	1.55E-03	5.29E-03	1.16E-02	pCi/m3	U
1110	587304009	6/13/2022	Potassium-40	7.30E-03	4.21E-03	5.90E-03	pCi/m3	UI
1110	592750009	7/11/2022	Potassium-40	1.72E-02	5.03E-03	5.64E-03	pCi/m3	U
1110	592751009	8/8/2022	Potassium-40	5.43E-03	4.21E-03	1.57E-02	pCi/m3	U
1110	600035009	9/5/2022	Potassium-40	2.32E-02	7.94E-03	8.85E-03	pCi/m3	U
1110	600037009	10/3/2022	Potassium-40	1.06E-02	4.85E-03	8.04E-03	pCi/m3	UI
1110	606085009	10/31/2022	Potassium-40	1.54E-02	5.44E-03	2.23E-02	pCi/m3	U
1110	606539009	11/28/2022	Potassium-40	1.01E-02	6.11E-03	7.58E-03	pCi/m3	UI
1110	609493009	12/26/2022	Potassium-40	1.08E-03	3.71E-03	1.36E-02	pCi/m3	U
1110	571510007	1/24/2022	Radium-226	2.74E-03	1.09E-03	2.91E-03	pCi/m3	U
1110	574141009	2/21/2022	Radium-226	1.86E-03	7.38E-04	1.26E-03	pCi/m3	U
1110	578170008	3/21/2022	Radium-226	2.27E-03	1.22E-03	2.37E-03	pCi/m3	U
1110	582160009	4/18/2022	Radium-226	1.85E-03	8.17E-04	1.94E-03	pCi/m3	U
1110	585159009	5/16/2022	Radium-226	1.69E-03	8.42E-04	2.07E-03	pCi/m3	U
1110	587304009	6/13/2022	Radium-226	6.90E-04	6.88E-04	1.59E-03	pCi/m3	U
1110	592750009	7/11/2022	Radium-226	7.02E-04	8.08E-04	1.42E-03	pCi/m3	U
1110	592751009	8/8/2022	Radium-226	8.68E-04	7.01E-04	1.73E-03	pCi/m3	U
1110	600035009	9/5/2022	Radium-226	2.16E-03	8.83E-04	1.52E-03	pCi/m3	U
1110	600037009	10/3/2022	Radium-226	6.24E-04	4.44E-04	1.60E-03	pCi/m3	U
1110	606085009	10/31/2022	Radium-226	-5.90E-04	4.73E-04	1.54E-03	pCi/m3	U
1110	606539009	11/28/2022	Radium-226	-7.42E-04	5.71E-04	1.76E-03	pCi/m3	U
1110	609493009	12/26/2022	Radium-226	7.37E-04	6.58E-04	1.56E-03	pCi/m3	U
1110	571510007	1/24/2022	Radium-228	-7.10E-04	1.72E-03	5.65E-03	pCi/m3	U
1110	574141009	2/21/2022	Radium-228	5.13E-04	1.80E-03	4.33E-03	pCi/m3	U
1110	578170008	3/21/2022	Radium-228	1.62E-03	9.59E-04	3.78E-03	pCi/m3	U
1110	582160009	4/18/2022	Radium-228	-1.67E-03	1.12E-03	2.58E-03	pCi/m3	U
1110	585159009	5/16/2022	Radium-228	2.15E-04	1.27E-03	3.42E-03	pCi/m3	U
1110	587304009	6/13/2022	Radium-228	5.85E-04	1.39E-03	3.43E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	592750009	7/11/2022	Radium-228	2.44E-03	1.14E-03	3.74E-03	pCi/m3	U
1110	592751009	8/8/2022	Radium-228	-1.73E-03	9.20E-04	2.57E-03	pCi/m3	U
1110	600035009	9/5/2022	Radium-228	-5.44E-04	1.22E-03	3.93E-03	pCi/m3	U
1110	600037009	10/3/2022	Radium-228	-9.37E-05	1.16E-03	4.08E-03	pCi/m3	U
1110	606085009	10/31/2022	Radium-228	1.12E-03	1.29E-03	4.24E-03	pCi/m3	U
1110	606539009	11/28/2022	Radium-228	-1.11E-03	1.24E-03	3.99E-03	pCi/m3	U
1110	609493009	12/26/2022	Radium-228	1.45E-04	1.17E-03	3.98E-03	pCi/m3	U
1110	571510007	1/24/2022	Ruthenium-103	6.93E-05	4.62E-04	1.58E-03	pCi/m3	U
1110	574141009	2/21/2022	Ruthenium-103	-2.45E-04	3.17E-04	9.75E-04	pCi/m3	U
1110	578170008	3/21/2022	Ruthenium-103	6.05E-04	3.85E-04	1.43E-03	pCi/m3	U
1110	582160009	4/18/2022	Ruthenium-103	1.47E-04	4.45E-04	1.54E-03	pCi/m3	U
1110	585159009	5/16/2022	Ruthenium-103	-6.80E-04	4.67E-04	1.39E-03	pCi/m3	U
1110	587304009	6/13/2022	Ruthenium-103	5.01E-05	3.56E-04	1.19E-03	pCi/m3	U
1110	592750009	7/11/2022	Ruthenium-103	-1.15E-05	5.75E-04	1.88E-03	pCi/m3	U
1110	592751009	8/8/2022	Ruthenium-103	5.34E-04	3.62E-04	1.30E-03	pCi/m3	U
1110	600035009	9/5/2022	Ruthenium-103	6.41E-04	6.23E-04	2.20E-03	pCi/m3	U
1110	600037009	10/3/2022	Ruthenium-103	-2.26E-04	3.34E-04	1.02E-03	pCi/m3	U
1110	606085009	10/31/2022	Ruthenium-103	-2.51E-04	5.48E-04	1.76E-03	pCi/m3	U
1110	606539009	11/28/2022	Ruthenium-103	9.79E-04	5.04E-04	1.84E-03	pCi/m3	U
1110	609493009	12/26/2022	Ruthenium-103	-1.31E-04	3.86E-04	1.25E-03	pCi/m3	U
1110	571510007	1/24/2022	Ruthenium-106	-6.47E-04	2.75E-03	8.90E-03	pCi/m3	U
1110	574141009	2/21/2022	Ruthenium-106	-2.80E-04	2.33E-03	6.58E-03	pCi/m3	U
1110	578170008	3/21/2022	Ruthenium-106	1.02E-03	2.32E-03	7.82E-03	pCi/m3	U
1110	582160009	4/18/2022	Ruthenium-106	1.01E-03	1.92E-03	6.68E-03	pCi/m3	U
1110	585159009	5/16/2022	Ruthenium-106	-2.01E-03	2.67E-03	7.25E-03	pCi/m3	U
1110	587304009	6/13/2022	Ruthenium-106	-4.57E-04	1.67E-03	5.31E-03	pCi/m3	U
1110	592750009	7/11/2022	Ruthenium-106	9.44E-04	2.30E-03	7.68E-03	pCi/m3	U
1110	592751009	8/8/2022	Ruthenium-106	3.09E-03	2.06E-03	5.60E-03	pCi/m3	U
1110	600035009	9/5/2022	Ruthenium-106	2.23E-04	2.25E-03	7.31E-03	pCi/m3	U
1110	600037009	10/3/2022	Ruthenium-106	-6.77E-04	1.92E-03	5.99E-03	pCi/m3	U
1110	606085009	10/31/2022	Ruthenium-106	3.29E-03	2.50E-03	9.11E-03	pCi/m3	U
1110	606539009	11/28/2022	Ruthenium-106	-8.68E-04	2.72E-03	8.44E-03	pCi/m3	U
1110	609493009	12/26/2022	Ruthenium-106	2.72E-03	1.82E-03	6.69E-03	pCi/m3	U
1110	571510007	1/24/2022	Selenium-75	-2.89E-04	3.56E-04	1.06E-03	pCi/m3	U
1110	574141009	2/21/2022	Selenium-75	2.49E-05	2.71E-04	9.27E-04	pCi/m3	U
1110	578170008	3/21/2022	Selenium-75	4.46E-04	2.88E-04	1.06E-03	pCi/m3	U
1110	582160009	4/18/2022	Selenium-75	1.35E-04	2.80E-04	9.17E-04	pCi/m3	U
1110	585159009	5/16/2022	Selenium-75	4.06E-04	3.65E-04	1.21E-03	pCi/m3	U
1110	587304009	6/13/2022	Selenium-75	6.29E-05	2.38E-04	8.27E-04	pCi/m3	U
1110	592750009	7/11/2022	Selenium-75	4.58E-04	3.14E-04	1.15E-03	pCi/m3	U
1110	592751009	8/8/2022	Selenium-75	2.65E-04	2.46E-04	8.78E-04	pCi/m3	U
1110	600035009	9/5/2022	Selenium-75	5.99E-04	3.60E-04	1.32E-03	pCi/m3	U
1110	600037009	10/3/2022	Selenium-75	5.09E-05	3.13E-04	9.65E-04	pCi/m3	U
1110	606085009	10/31/2022	Selenium-75	-5.14E-04	4.27E-04	1.25E-03	pCi/m3	U
1110	606539009	11/28/2022	Selenium-75	-1.57E-04	3.56E-04	1.17E-03	pCi/m3	U
1110	609493009	12/26/2022	Selenium-75	4.89E-04	2.81E-04	9.74E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	571510007	1/24/2022	Silver-108m	1.13E-04	2.02E-04	7.19E-04	pCi/m3	U
1110	574141009	2/21/2022	Silver-108m	2.09E-04	1.78E-04	6.29E-04	pCi/m3	U
1110	578170008	3/21/2022	Silver-108m	-1.03E-04	1.63E-04	5.09E-04	pCi/m3	U
1110	582160009	4/18/2022	Silver-108m	9.16E-05	1.44E-04	5.11E-04	pCi/m3	U
1110	585159009	5/16/2022	Silver-108m	-1.22E-04	2.46E-04	7.38E-04	pCi/m3	U
1110	587304009	6/13/2022	Silver-108m	-2.40E-04	1.34E-04	3.84E-04	pCi/m3	U
1110	592750009	7/11/2022	Silver-108m	-1.76E-04	1.78E-04	5.44E-04	pCi/m3	U
1110	592751009	8/8/2022	Silver-108m	1.62E-05	1.35E-04	4.40E-04	pCi/m3	U
1110	600035009	9/5/2022	Silver-108m	-4.90E-04	2.09E-04	5.79E-04	pCi/m3	U
1110	600037009	10/3/2022	Silver-108m	9.51E-05	1.42E-04	4.96E-04	pCi/m3	U
1110	606085009	10/31/2022	Silver-108m	-3.15E-05	1.58E-04	5.27E-04	pCi/m3	U
1110	606539009	11/28/2022	Silver-108m	1.00E-04	1.99E-04	6.72E-04	pCi/m3	U
1110	609493009	12/26/2022	Silver-108m	-3.13E-04	1.49E-04	4.14E-04	pCi/m3	U
1110	571510007	1/24/2022	Silver-110m	-3.24E-04	4.59E-04	1.32E-03	pCi/m3	U
1110	574141009	2/21/2022	Silver-110m	-4.78E-04	2.62E-04	6.79E-04	pCi/m3	U
1110	578170008	3/21/2022	Silver-110m	4.86E-04	7.61E-04	1.30E-03	pCi/m3	U
1110	582160009	4/18/2022	Silver-110m	3.82E-04	3.28E-04	1.17E-03	pCi/m3	U
1110	585159009	5/16/2022	Silver-110m	-4.16E-04	4.16E-04	1.20E-03	pCi/m3	U
1110	587304009	6/13/2022	Silver-110m	-1.18E-04	2.66E-04	8.67E-04	pCi/m3	U
1110	592750009	7/11/2022	Silver-110m	6.51E-04	3.52E-04	1.39E-03	pCi/m3	U
1110	592751009	8/8/2022	Silver-110m	-1.91E-04	2.91E-04	8.55E-04	pCi/m3	U
1110	600035009	9/5/2022	Silver-110m	-1.22E-04	3.94E-04	1.29E-03	pCi/m3	U
1110	600037009	10/3/2022	Silver-110m	-3.46E-05	3.07E-04	9.05E-04	pCi/m3	U
1110	606085009	10/31/2022	Silver-110m	-2.09E-04	2.98E-04	8.41E-04	pCi/m3	U
1110	606539009	11/28/2022	Silver-110m	1.23E-04	3.90E-04	1.34E-03	pCi/m3	U
1110	609493009	12/26/2022	Silver-110m	2.77E-04	3.02E-04	1.11E-03	pCi/m3	U
1110	571510007	1/24/2022	Tellurium-132	-1.33E+00	7.99E-01	0.00E+00	pCi/m3	U
1110	574141009	2/21/2022	Tellurium-132	-2.91E-03	1.84E-01	0.00E+00	pCi/m3	U
1110	578170008	3/21/2022	Tellurium-132	5.73E-01	6.59E-01	0.00E+00	pCi/m3	UI
1110	582160009	4/18/2022	Tellurium-132	1.67E+01	4.74E+01	0.00E+00	pCi/m3	UI
1110	585159009	5/16/2022	Tellurium-132	-9.50E+00	1.30E+01	0.00E+00	pCi/m3	U
1110	587304009	6/13/2022	Tellurium-132	-2.04E+00	1.96E+00	0.00E+00	pCi/m3	U
1110	592750009	7/11/2022	Tellurium-132	3.44E+02	8.27E+02	0.00E+00	pCi/m3	UI
1110	592751009	8/8/2022	Tellurium-132	-5.85E-01	1.58E+00	0.00E+00	pCi/m3	U
1110	600035009	9/5/2022	Tellurium-132	-1.11E+02	2.67E+02	0.00E+00	pCi/m3	U
1110	600037009	10/3/2022	Tellurium-132	5.53E-02	4.78E-01	0.00E+00	pCi/m3	UI
1110	606085009	10/31/2022	Tellurium-132	6.08E+02	2.95E+02	0.00E+00	pCi/m3	UI
1110	606539009	11/28/2022	Tellurium-132	-3.71E+00	2.82E+00	0.00E+00	pCi/m3	U
1110	609493009	12/26/2022	Tellurium-132	2.02E-01	2.05E+00	0.00E+00	pCi/m3	UI
1110	571510007	1/24/2022	Thallium-208	-2.79E-04	3.79E-04	1.27E-03	pCi/m3	U
1110	574141009	2/21/2022	Thallium-208	1.49E-04	5.41E-04	6.40E-04	pCi/m3	U
1110	578170008	3/21/2022	Thallium-208	1.21E-03	7.02E-04	7.52E-04	pCi/m3	UI
1110	582160009	4/18/2022	Thallium-208	7.36E-04	3.36E-04	6.12E-04	pCi/m3	UI
1110	585159009	5/16/2022	Thallium-208	4.85E-05	2.62E-04	8.82E-04	pCi/m3	U
1110	587304009	6/13/2022	Thallium-208	4.17E-04	4.01E-04	5.56E-04	pCi/m3	U
1110	592750009	7/11/2022	Thallium-208	4.71E-06	2.69E-04	8.86E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	592751009	8/8/2022	Thallium-208	-2.04E-04	2.42E-04	7.50E-04	pCi/m3	U
1110	600035009	9/5/2022	Thallium-208	-1.91E-04	3.08E-04	9.44E-04	pCi/m3	U
1110	600037009	10/3/2022	Thallium-208	-5.39E-05	2.82E-04	9.04E-04	pCi/m3	U
1110	606085009	10/31/2022	Thallium-208	1.81E-04	3.39E-04	9.43E-04	pCi/m3	U
1110	606539009	11/28/2022	Thallium-208	2.31E-04	3.25E-04	1.04E-03	pCi/m3	U
1110	609493009	12/26/2022	Thallium-208	4.92E-04	2.69E-04	9.53E-04	pCi/m3	U
1110	571510007	1/24/2022	Thorium-228	4.78E-04	8.08E-04	1.73E-03	pCi/m3	U
1110	574141009	2/21/2022	Thorium-228	9.53E-05	5.56E-04	1.04E-03	pCi/m3	U
1110	578170008	3/21/2022	Thorium-228	1.95E-03	6.01E-04	9.81E-04	pCi/m3	U
1110	582160009	4/18/2022	Thorium-228	4.99E-04	5.46E-04	8.43E-04	pCi/m3	U
1110	585159009	5/16/2022	Thorium-228	9.25E-04	7.67E-04	1.49E-03	pCi/m3	U
1110	587304009	6/13/2022	Thorium-228	5.80E-04	4.37E-04	8.22E-04	pCi/m3	U
1110	592750009	7/11/2022	Thorium-228	-4.10E-04	3.73E-04	1.22E-03	pCi/m3	U
1110	592751009	8/8/2022	Thorium-228	4.63E-04	5.31E-04	1.22E-03	pCi/m3	U
1110	600035009	9/5/2022	Thorium-228	-1.57E-04	4.10E-04	1.32E-03	pCi/m3	U
1110	600037009	10/3/2022	Thorium-228	-1.36E-05	3.69E-04	1.22E-03	pCi/m3	U
1110	606085009	10/31/2022	Thorium-228	1.62E-03	6.31E-04	1.39E-03	pCi/m3	UI
1110	606539009	11/28/2022	Thorium-228	2.48E-03	9.27E-04	1.74E-03	pCi/m3	UI
1110	609493009	12/26/2022	Thorium-228	8.55E-04	4.08E-04	7.24E-04	pCi/m3	UI
1110	571510007	1/24/2022	Thorium-230	2.74E-04	1.09E-03	2.91E-03	pCi/m3	U
1110	574141009	2/21/2022	Thorium-230	1.86E-03	7.38E-04	1.26E-03	pCi/m3	U
1110	578170008	3/21/2022	Thorium-230	2.27E-03	1.22E-03	2.37E-03	pCi/m3	U
1110	582160009	4/18/2022	Thorium-230	1.85E-03	8.17E-04	1.94E-03	pCi/m3	U
1110	585159009	5/16/2022	Thorium-230	1.69E-03	8.42E-04	2.07E-03	pCi/m3	U
1110	587304009	6/13/2022	Thorium-230	6.90E-04	6.88E-04	1.59E-03	pCi/m3	U
1110	592750009	7/11/2022	Thorium-230	7.02E-04	8.08E-04	1.42E-03	pCi/m3	U
1110	592751009	8/8/2022	Thorium-230	8.68E-04	7.01E-04	1.73E-03	pCi/m3	U
1110	600035009	9/5/2022	Thorium-230	2.16E-03	8.83E-04	1.52E-03	pCi/m3	U
1110	600037009	10/3/2022	Thorium-230	6.24E-04	4.44E-04	1.60E-03	pCi/m3	U
1110	606085009	10/31/2022	Thorium-230	-5.90E-04	4.73E-04	1.53E-03	pCi/m3	U
1110	606539009	11/28/2022	Thorium-230	-7.42E-04	5.71E-04	1.76E-03	pCi/m3	U
1110	609493009	12/26/2022	Thorium-230	7.37E-04	6.58E-04	1.55E-03	pCi/m3	U
1110	571510007	1/24/2022	Thorium-232	-7.10E-04	1.72E-03	5.65E-03	pCi/m3	U
1110	574141009	2/21/2022	Thorium-232	5.13E-04	1.80E-03	4.33E-03	pCi/m3	U
1110	578170008	3/21/2022	Thorium-232	1.62E-03	9.59E-04	3.78E-03	pCi/m3	U
1110	582160009	4/18/2022	Thorium-232	-1.67E-03	1.12E-03	2.58E-03	pCi/m3	U
1110	585159009	5/16/2022	Thorium-232	2.15E-04	1.27E-03	3.42E-03	pCi/m3	U
1110	587304009	6/13/2022	Thorium-232	5.85E-04	1.39E-03	3.43E-03	pCi/m3	U
1110	592750009	7/11/2022	Thorium-232	2.44E-03	1.14E-03	3.74E-03	pCi/m3	U
1110	592751009	8/8/2022	Thorium-232	-1.73E-03	9.20E-04	2.57E-03	pCi/m3	U
1110	600035009	9/5/2022	Thorium-232	-5.44E-04	1.22E-03	3.93E-03	pCi/m3	U
1110	600037009	10/3/2022	Thorium-232	-9.37E-05	1.16E-03	4.08E-03	pCi/m3	U
1110	606085009	10/31/2022	Thorium-232	1.12E-03	1.29E-03	4.24E-03	pCi/m3	U
1110	606539009	11/28/2022	Thorium-232	-1.11E-03	1.24E-03	3.99E-03	pCi/m3	U
1110	609493009	12/26/2022	Thorium-232	1.45E-04	1.17E-03	3.98E-03	pCi/m3	U
1110	571510007	1/24/2022	Thorium-234	-1.20E-02	8.17E-03	2.55E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1110	574141009	2/21/2022	Thorium-234	6.35E-05	6.32E-03	2.16E-02	pCi/m3	U
1110	578170008	3/21/2022	Thorium-234	7.45E-03	5.39E-03	6.56E-03	pCi/m3	UI
1110	582160009	4/18/2022	Thorium-234	-8.93E-03	7.66E-03	2.54E-02	pCi/m3	U
1110	585159009	5/16/2022	Thorium-234	3.74E-04	8.83E-03	2.04E-02	pCi/m3	U
1110	587304009	6/13/2022	Thorium-234	1.29E-03	5.65E-03	1.81E-02	pCi/m3	U
1110	592750009	7/11/2022	Thorium-234	-6.04E-03	1.01E-02	3.48E-02	pCi/m3	U
1110	592751009	8/8/2022	Thorium-234	1.14E-02	1.56E-02	2.83E-02	pCi/m3	U
1110	600035009	9/5/2022	Thorium-234	-5.65E-03	1.18E-02	4.05E-02	pCi/m3	U
1110	600037009	10/3/2022	Thorium-234	6.03E-03	1.40E-02	2.37E-02	pCi/m3	U
1110	606085009	10/31/2022	Thorium-234	1.53E-02	1.84E-02	3.22E-02	pCi/m3	U
1110	606539009	11/28/2022	Thorium-234	1.69E-02	1.83E-02	2.37E-02	pCi/m3	U
1110	609493009	12/26/2022	Thorium-234	-6.48E-03	5.63E-03	1.77E-02	pCi/m3	U
1110	571510007	1/24/2022	Uranium-234	2.74E-03	1.09E-03	2.91E-03	pCi/m3	U
1110	574141009	2/21/2022	Uranium-234	1.86E-03	7.38E-04	1.26E-03	pCi/m3	
1110	578170008	3/21/2022	Uranium-234	2.27E-03	1.22E-03	2.37E-03	pCi/m3	U
1110	582160009	4/18/2022	Uranium-234	1.85E-03	8.17E-04	1.94E-03	pCi/m3	U
1110	585159009	5/16/2022	Uranium-234	1.69E-03	8.42E-04	2.07E-03	pCi/m3	U
1110	587304009	6/13/2022	Uranium-234	6.90E-04	6.88E-04	1.59E-03	pCi/m3	U
1110	592750009	7/11/2022	Uranium-234	7.02E-04	8.08E-04	1.42E-03	pCi/m3	U
1110	592751009	8/8/2022	Uranium-234	8.68E-04	7.01E-04	1.73E-03	pCi/m3	U
1110	600035009	9/5/2022	Uranium-234	2.16E-03	8.83E-04	1.52E-03	pCi/m3	
1110	600037009	10/3/2022	Uranium-234	6.24E-04	4.43E-04	1.60E-03	pCi/m3	U
1110	606085009	10/31/2022	Uranium-234	-5.90E-04	4.73E-04	1.53E-03	pCi/m3	U
1110	606539009	11/28/2022	Uranium-234	-7.42E-04	5.71E-04	1.76E-03	pCi/m3	U
1110	609493009	12/26/2022	Uranium-234	7.37E-04	6.58E-04	1.55E-03	pCi/m3	U
1110	571510007	1/24/2022	Zinc-65	-9.87E-04	7.57E-04	2.10E-03	pCi/m3	U
1110	574141009	2/21/2022	Zinc-65	-6.27E-05	4.64E-04	1.30E-03	pCi/m3	U
1110	578170008	3/21/2022	Zinc-65	-4.32E-04	6.90E-04	2.12E-03	pCi/m3	U
1110	582160009	4/18/2022	Zinc-65	1.62E-04	4.55E-04	1.53E-03	pCi/m3	U
1110	585159009	5/16/2022	Zinc-65	-9.16E-05	5.29E-04	1.76E-03	pCi/m3	U
1110	587304009	6/13/2022	Zinc-65	-3.66E-04	4.64E-04	1.42E-03	pCi/m3	U
1110	592750009	7/11/2022	Zinc-65	-2.49E-04	6.88E-04	1.91E-03	pCi/m3	U
1110	592751009	8/8/2022	Zinc-65	3.46E-04	5.75E-04	2.03E-03	pCi/m3	U
1110	600035009	9/5/2022	Zinc-65	-6.07E-05	7.87E-04	2.58E-03	pCi/m3	U
1110	600037009	10/3/2022	Zinc-65	-3.57E-04	5.25E-04	1.62E-03	pCi/m3	U
1110	606085009	10/31/2022	Zinc-65	-1.18E-04	5.42E-04	1.78E-03	pCi/m3	U
1110	606539009	11/28/2022	Zinc-65	1.24E-04	6.71E-04	1.99E-03	pCi/m3	U
1110	609493009	12/26/2022	Zinc-65	-9.60E-05	5.45E-04	1.78E-03	pCi/m3	U
1110	571510007	1/24/2022	Zirconium-95	7.64E-04	8.22E-04	2.95E-03	pCi/m3	U
1110	574141009	2/21/2022	Zirconium-95	-3.55E-04	4.76E-04	1.51E-03	pCi/m3	U
1110	578170008	3/21/2022	Zirconium-95	6.20E-04	7.38E-04	2.55E-03	pCi/m3	U
1110	582160009	4/18/2022	Zirconium-95	1.40E-03	5.63E-04	2.34E-03	pCi/m3	U
1110	585159009	5/16/2022	Zirconium-95	-7.36E-04	6.91E-04	2.01E-03	pCi/m3	U
1110	587304009	6/13/2022	Zirconium-95	1.93E-04	4.41E-04	1.48E-03	pCi/m3	U
1110	592750009	7/11/2022	Zirconium-95	-1.71E-03	8.32E-04	2.01E-03	pCi/m3	U
1110	592751009	8/8/2022	Zirconium-95	-3.39E-04	4.90E-04	1.47E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	600035009	9/5/2022	Zirconium-95	-1.67E-03	8.39E-04	2.36E-03	pCi/m3	U
1110	600037009	10/3/2022	Zirconium-95	1.18E-03	6.06E-04	2.28E-03	pCi/m3	U
1110	606085009	10/31/2022	Zirconium-95	9.49E-04	7.17E-04	2.55E-03	pCi/m3	U
1110	606539009	11/28/2022	Zirconium-95	1.52E-03	7.01E-04	2.75E-03	pCi/m3	U
1110	609493009	12/26/2022	Zirconium-95	-1.07E-04	6.05E-04	1.90E-03	pCi/m3	U
1114	571510010	1/24/2022	Actinium-228	3.08E-03	1.65E-03	4.91E-03	pCi/m3	U
1114	574141001	2/21/2022	Actinium-228	3.19E-03	1.35E-03	4.43E-03	pCi/m3	U
1114	578170011	3/21/2022	Actinium-228	1.76E-04	1.10E-03	3.28E-03	pCi/m3	U
1114	582160001	4/18/2022	Actinium-228	8.78E-04	1.68E-03	4.50E-03	pCi/m3	U
1114	585159001	5/16/2022	Actinium-228	8.97E-04	1.22E-03	4.11E-03	pCi/m3	U
1114	587304001	6/13/2022	Actinium-228	2.09E-03	1.48E-03	2.42E-03	pCi/m3	U
1114	592750001	7/11/2022	Actinium-228	1.28E-04	1.22E-03	4.31E-03	pCi/m3	U
1114	592751001	8/8/2022	Actinium-228	1.53E-03	1.84E-03	3.87E-03	pCi/m3	U
1114	600035001	9/5/2022	Actinium-228	4.39E-04	9.36E-04	3.17E-03	pCi/m3	U
1114	600037001	10/3/2022	Actinium-228	1.48E-03	1.61E-03	4.16E-03	pCi/m3	U
1114	606085001	10/31/2022	Actinium-228	-2.41E-03	1.27E-03	3.74E-03	pCi/m3	U
1114	606539001	11/28/2022	Actinium-228	3.96E-03	1.23E-03	2.62E-03	pCi/m3	U
1114	609493001	12/26/2022	Actinium-228	1.72E-03	1.33E-03	3.84E-03	pCi/m3	U
1114	571510010	1/24/2022	Americium-241	-1.06E-03	1.40E-03	4.27E-03	pCi/m3	U
1114	574141001	2/21/2022	Americium-241	5.54E-04	1.39E-03	4.68E-03	pCi/m3	U
1114	578170011	3/21/2022	Americium-241	-6.13E-05	6.65E-04	2.18E-03	pCi/m3	U
1114	582160001	4/18/2022	Americium-241	1.67E-03	1.26E-03	4.29E-03	pCi/m3	U
1114	585159001	5/16/2022	Americium-241	7.63E-04	9.11E-04	2.80E-03	pCi/m3	U
1114	587304001	6/13/2022	Americium-241	4.43E-04	3.99E-04	1.30E-03	pCi/m3	U
1114	592750001	7/11/2022	Americium-241	6.35E-04	7.13E-04	2.56E-03	pCi/m3	U
1114	592751001	8/8/2022	Americium-241	2.39E-04	1.11E-03	3.72E-03	pCi/m3	U
1114	600035001	9/5/2022	Americium-241	4.68E-04	1.10E-03	3.63E-03	pCi/m3	U
1114	600037001	10/3/2022	Americium-241	-1.77E-03	1.09E-03	3.33E-03	pCi/m3	U
1114	606085001	10/31/2022	Americium-241	-9.81E-04	7.38E-04	2.34E-03	pCi/m3	U
1114	606539001	11/28/2022	Americium-241	-4.42E-04	8.58E-04	2.87E-03	pCi/m3	U
1114	609493001	12/26/2022	Americium-241	1.09E-03	1.27E-03	4.31E-03	pCi/m3	U
1114	571510010	1/24/2022	Antimony-124	9.08E-04	9.10E-04	3.46E-03	pCi/m3	U
1114	574141001	2/21/2022	Antimony-124	-7.52E-04	8.49E-04	2.53E-03	pCi/m3	U
1114	578170011	3/21/2022	Antimony-124	-1.34E-03	7.80E-04	1.84E-03	pCi/m3	U
1114	582160001	4/18/2022	Antimony-124	3.93E-04	1.17E-03	4.07E-03	pCi/m3	U
1114	585159001	5/16/2022	Antimony-124	-6.31E-04	6.20E-04	1.42E-03	pCi/m3	U
1114	587304001	6/13/2022	Antimony-124	9.47E-05	9.08E-04	2.95E-03	pCi/m3	U
1114	592750001	7/11/2022	Antimony-124	4.46E-05	1.13E-03	3.81E-03	pCi/m3	U
1114	592751001	8/8/2022	Antimony-124	3.58E-04	9.12E-04	3.12E-03	pCi/m3	U
1114	600035001	9/5/2022	Antimony-124	-2.38E-03	1.36E-03	3.07E-03	pCi/m3	U
1114	600037001	10/3/2022	Antimony-124	-7.42E-04	8.43E-04	2.35E-03	pCi/m3	U
1114	606085001	10/31/2022	Antimony-124	8.26E-04	1.39E-03	5.07E-03	pCi/m3	U
1114	606539001	11/28/2022	Antimony-124	-1.07E-04	1.07E-03	3.52E-03	pCi/m3	U
1114	609493001	12/26/2022	Antimony-124	9.41E-04	1.23E-03	4.47E-03	pCi/m3	U
1114	571510010	1/24/2022	Antimony-125	1.77E-03	1.41E-03	2.20E-03	pCi/m3	U
1114	574141001	2/21/2022	Antimony-125	-2.13E-04	5.73E-04	1.77E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	578170011	3/21/2022	Antimony-125	5.39E-04	4.60E-04	1.65E-03	pCi/m3	U
1114	582160001	4/18/2022	Antimony-125	-1.11E-03	6.06E-04	1.62E-03	pCi/m3	U
1114	585159001	5/16/2022	Antimony-125	5.55E-04	5.58E-04	1.95E-03	pCi/m3	U
1114	587304001	6/13/2022	Antimony-125	-1.25E-03	4.99E-04	1.33E-03	pCi/m3	U
1114	592750001	7/11/2022	Antimony-125	5.87E-04	6.31E-04	2.24E-03	pCi/m3	U
1114	592751001	8/8/2022	Antimony-125	1.14E-03	5.46E-04	1.94E-03	pCi/m3	U
1114	600035001	9/5/2022	Antimony-125	5.57E-07	6.04E-04	1.95E-03	pCi/m3	U
1114	600037001	10/3/2022	Antimony-125	4.19E-05	6.32E-04	2.10E-03	pCi/m3	U
1114	606085001	10/31/2022	Antimony-125	9.83E-04	5.65E-04	2.12E-03	pCi/m3	U
1114	606539001	11/28/2022	Antimony-125	-3.07E-04	6.60E-04	2.13E-03	pCi/m3	U
1114	609493001	12/26/2022	Antimony-125	3.59E-04	5.11E-04	1.74E-03	pCi/m3	U
1114	571510010	1/24/2022	Barium-140	4.60E-03	6.09E-03	2.18E-02	pCi/m3	U
1114	574141001	2/21/2022	Barium-140	-1.68E-03	4.86E-03	1.40E-02	pCi/m3	U
1114	578170011	3/21/2022	Barium-140	7.50E-03	5.26E-03	1.90E-02	pCi/m3	U
1114	582160001	4/18/2022	Barium-140	-1.95E-02	1.89E-02	5.62E-02	pCi/m3	U
1114	585159001	5/16/2022	Barium-140	3.76E-02	1.33E-02	5.14E-02	pCi/m3	U
1114	587304001	6/13/2022	Barium-140	6.45E-03	7.87E-03	2.72E-02	pCi/m3	U
1114	592750001	7/11/2022	Barium-140	3.61E-02	3.95E-02	1.39E-01	pCi/m3	U
1114	592751001	8/8/2022	Barium-140	6.79E-03	7.42E-03	2.60E-02	pCi/m3	U
1114	600035001	9/5/2022	Barium-140	6.37E-03	2.20E-02	7.66E-02	pCi/m3	U
1114	600037001	10/3/2022	Barium-140	-8.89E-03	7.66E-03	2.12E-02	pCi/m3	U
1114	606085001	10/31/2022	Barium-140	-2.74E-02	2.75E-02	8.08E-02	pCi/m3	U
1114	606539001	11/28/2022	Barium-140	-1.27E-02	8.37E-03	2.31E-02	pCi/m3	U
1114	609493001	12/26/2022	Barium-140	3.41E-03	7.03E-03	2.46E-02	pCi/m3	U
1114	571510010	1/24/2022	Beryllium-7	9.97E-02	8.71E-03	9.99E-03	pCi/m3	U
1114	574141001	2/21/2022	Beryllium-7	1.37E-01	7.44E-03	6.78E-03	pCi/m3	U
1114	578170011	3/21/2022	Beryllium-7	1.30E-01	8.17E-03	7.11E-03	pCi/m3	U
1114	582160001	4/18/2022	Beryllium-7	1.52E-01	1.24E-02	1.36E-02	pCi/m3	U
1114	585159001	5/16/2022	Beryllium-7	1.49E-01	1.16E-02	1.11E-02	pCi/m3	U
1114	587304001	6/13/2022	Beryllium-7	9.87E-02	9.20E-03	9.01E-03	pCi/m3	U
1114	592750001	7/11/2022	Beryllium-7	1.21E-01	1.25E-02	1.39E-02	pCi/m3	U
1114	592751001	8/8/2022	Beryllium-7	1.13E-01	7.75E-03	9.01E-03	pCi/m3	U
1114	600035001	9/5/2022	Beryllium-7	9.31E-02	9.64E-03	1.10E-02	pCi/m3	U
1114	600037001	10/3/2022	Beryllium-7	1.39E-01	1.02E-02	1.03E-02	pCi/m3	U
1114	606085001	10/31/2022	Beryllium-7	1.15E-01	1.09E-02	1.33E-02	pCi/m3	U
1114	606539001	11/28/2022	Beryllium-7	1.10E-01	1.01E-02	1.10E-02	pCi/m3	U
1114	609493001	12/26/2022	Beryllium-7	9.33E-02	7.47E-03	6.47E-03	pCi/m3	U
1114	566163001	1/3/2022	BETA	2.28E-02	1.47E-03	1.66E-03	pCi/m3	U
1114	566828023	1/10/2022	BETA	5.37E-02	2.12E-03	1.62E-03	pCi/m3	U
1114	567642001	1/18/2022	BETA	5.19E-02	2.01E-03	1.41E-03	pCi/m3	U
1114	568219027	1/24/2022	BETA	3.98E-02	1.99E-03	1.83E-03	pCi/m3	U
1114	568939025	1/31/2022	BETA	4.51E-02	2.01E-03	1.67E-03	pCi/m3	U
1114	569538001	2/7/2022	BETA	4.71E-02	2.10E-03	1.61E-03	pCi/m3	U
1114	570263001	2/14/2022	BETA	4.94E-02	2.08E-03	1.64E-03	pCi/m3	U
1114	571003001	2/21/2022	BETA	4.78E-02	2.07E-03	1.54E-03	pCi/m3	U
1114	571635001	2/28/2022	BETA	3.02E-02	1.66E-03	1.72E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	572313025	3/7/2022	BETA	6.69E-02	2.39E-03	1.69E-03	pCi/m3	
1114	573042001	3/14/2022	BETA	3.62E-02	1.85E-03	1.65E-03	pCi/m3	
1114	573808021	3/21/2022	BETA	2.56E-02	1.50E-03	1.53E-03	pCi/m3	
1114	574541001	3/28/2022	BETA	2.40E-02	1.53E-03	1.78E-03	pCi/m3	
1114	575128001	4/4/2022	BETA	3.44E-02	1.76E-03	1.69E-03	pCi/m3	
1114	576089001	4/11/2022	BETA	2.53E-02	1.50E-03	1.55E-03	pCi/m3	
1114	576842001	4/18/2022	BETA	3.39E-02	1.76E-03	1.59E-03	pCi/m3	
1114	577600001	4/25/2022	BETA	4.24E-02	1.96E-03	1.88E-03	pCi/m3	
1114	578408001	5/3/2022	BETA	3.74E-02	1.70E-03	1.37E-03	pCi/m3	
1114	579260001	5/9/2022	BETA	2.43E-02	1.59E-03	1.73E-03	pCi/m3	
1114	580039001	5/16/2022	BETA	4.18E-02	1.94E-03	1.74E-03	pCi/m3	
1114	580690001	5/23/2022	BETA	4.19E-02	1.94E-03	1.61E-03	pCi/m3	
1114	581375001	5/30/2022	BETA	3.46E-02	1.80E-03	1.64E-03	pCi/m3	
1114	581944001	6/6/2022	BETA	3.05E-02	1.48E-03	1.44E-03	pCi/m3	
1114	582792001	6/13/2022	BETA	3.28E-02	1.55E-03	1.44E-03	pCi/m3	
1114	583523001	6/20/2022	BETA	3.79E-02	1.65E-03	1.51E-03	pCi/m3	
1114	584133001	6/27/2022	BETA	3.91E-02	1.66E-03	1.29E-03	pCi/m3	
1114	584820001	7/4/2022	BETA	2.62E-02	1.40E-03	1.46E-03	pCi/m3	
1114	585556001	7/11/2022	BETA	2.43E-02	1.31E-03	1.21E-03	pCi/m3	
1114	586336001	7/18/2022	BETA	3.88E-02	1.64E-03	1.22E-03	pCi/m3	
1114	587158001	7/25/2022	BETA	3.09E-02	1.52E-03	1.48E-03	pCi/m3	
1114	587887001	8/1/2022	BETA	1.87E-02	1.17E-03	1.23E-03	pCi/m3	
1114	588821001	8/8/2022	BETA	1.96E-02	1.25E-03	1.54E-03	pCi/m3	
1114	589631001	8/15/2022	BETA	2.96E-02	1.46E-03	1.27E-03	pCi/m3	
1114	590529001	8/22/2022	BETA	4.55E-02	1.79E-03	1.30E-03	pCi/m3	
1114	590546001	8/29/2022	BETA	2.53E-02	1.38E-03	1.40E-03	pCi/m3	
1114	592023001	9/5/2022	BETA	2.82E-02	1.46E-03	1.43E-03	pCi/m3	
1114	592701001	9/12/2022	BETA	3.03E-02	1.47E-03	1.24E-03	pCi/m3	
1114	593604001	9/19/2022	BETA	5.27E-02	1.94E-03	1.40E-03	pCi/m3	
1114	594422023	9/26/2022	BETA	4.49E-02	1.76E-03	1.35E-03	pCi/m3	
1114	594990001	10/3/2022	BETA	2.97E-02	1.53E-03	1.47E-03	pCi/m3	
1114	596158001	10/10/2022	BETA	4.86E-02	1.84E-03	1.27E-03	pCi/m3	
1114	597076001	10/17/2022	BETA	4.59E-02	1.79E-03	1.24E-03	pCi/m3	
1114	597935001	10/24/2022	BETA	4.47E-02	1.81E-03	1.45E-03	pCi/m3	
1114	598808001	10/31/2022	BETA	3.65E-02	1.64E-03	1.46E-03	pCi/m3	
1114	599716001	11/7/2022	BETA	5.67E-02	2.01E-03	1.27E-03	pCi/m3	
1114	600681001	11/14/2022	BETA	3.41E-02	1.57E-03	1.26E-03	pCi/m3	
1114	601449001	11/21/2022	BETA	4.89E-02	1.88E-03	1.28E-03	pCi/m3	
1114	602125001	11/28/2022	BETA	5.27E-02	1.95E-03	1.26E-03	pCi/m3	
1114	602823001	12/5/2022	BETA	4.04E-02	1.70E-03	1.28E-03	pCi/m3	
1114	603758001	12/12/2022	BETA	2.76E-02	1.45E-03	1.35E-03	pCi/m3	
1114	604618001	12/19/2022	BETA	4.10E-02	1.74E-03	1.35E-03	pCi/m3	
1114	605325001	12/26/2022	BETA	3.92E-02	1.69E-03	1.28E-03	pCi/m3	
1114	571510010	1/24/2022	Bismuth-214	3.62E-03	1.25E-03	3.05E-03	pCi/m3	UI
1114	574141001	2/21/2022	Bismuth-214	1.95E-03	1.12E-03	1.55E-03	pCi/m3	UI
1114	578170011	3/21/2022	Bismuth-214	6.37E-04	6.41E-04	1.65E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	582160001	4/18/2022	Bismuth-214	1.07E-03	9.01E-04	2.21E-03	pCi/m3	U
1114	585159001	5/16/2022	Bismuth-214	8.78E-04	1.11E-03	2.19E-03	pCi/m3	U
1114	587304001	6/13/2022	Bismuth-214	-1.13E-03	5.47E-04	1.54E-03	pCi/m3	U
1114	592750001	7/11/2022	Bismuth-214	6.30E-04	5.88E-04	2.04E-03	pCi/m3	U
1114	592751001	8/8/2022	Bismuth-214	1.04E-03	6.80E-04	2.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Bismuth-214	-4.48E-04	5.67E-04	1.69E-03	pCi/m3	U
1114	600037001	10/3/2022	Bismuth-214	1.50E-04	1.06E-03	2.49E-03	pCi/m3	U
1114	606085001	10/31/2022	Bismuth-214	1.79E-03	1.22E-03	1.30E-03	pCi/m3	UI
1114	606539001	11/28/2022	Bismuth-214	9.64E-04	6.28E-04	1.68E-03	pCi/m3	U
1114	609493001	12/26/2022	Bismuth-214	1.14E-03	6.67E-04	2.16E-03	pCi/m3	U
1114	571510010	1/24/2022	Cerium-141	-5.04E-04	5.99E-04	1.96E-03	pCi/m3	U
1114	574141001	2/21/2022	Cerium-141	6.05E-04	4.59E-04	1.53E-03	pCi/m3	U
1114	578170011	3/21/2022	Cerium-141	-1.26E-04	4.10E-04	1.34E-03	pCi/m3	U
1114	582160001	4/18/2022	Cerium-141	5.48E-04	1.37E-03	2.83E-03	pCi/m3	U
1114	585159001	5/16/2022	Cerium-141	-1.35E-05	6.81E-04	2.10E-03	pCi/m3	U
1114	587304001	6/13/2022	Cerium-141	-1.89E-04	5.52E-04	1.71E-03	pCi/m3	U
1114	592750001	7/11/2022	Cerium-141	-5.76E-04	1.18E-03	3.31E-03	pCi/m3	U
1114	592751001	8/8/2022	Cerium-141	-1.51E-03	7.46E-04	1.97E-03	pCi/m3	U
1114	600035001	9/5/2022	Cerium-141	1.02E-04	8.64E-04	2.80E-03	pCi/m3	U
1114	600037001	10/3/2022	Cerium-141	-1.88E-04	7.00E-04	2.02E-03	pCi/m3	U
1114	606085001	10/31/2022	Cerium-141	-1.97E-03	9.05E-04	2.54E-03	pCi/m3	U
1114	606539001	11/28/2022	Cerium-141	-1.81E-03	7.09E-04	1.71E-03	pCi/m3	U
1114	609493001	12/26/2022	Cerium-141	3.44E-04	5.25E-04	1.74E-03	pCi/m3	U
1114	571510010	1/24/2022	Cerium-144	-5.84E-04	1.18E-03	3.51E-03	pCi/m3	U
1114	574141001	2/21/2022	Cerium-144	-1.04E-03	1.15E-03	3.45E-03	pCi/m3	U
1114	578170011	3/21/2022	Cerium-144	6.21E-04	7.59E-04	2.63E-03	pCi/m3	U
1114	582160001	4/18/2022	Cerium-144	-1.39E-03	1.20E-03	3.86E-03	pCi/m3	U
1114	585159001	5/16/2022	Cerium-144	6.93E-04	1.09E-03	3.81E-03	pCi/m3	U
1114	587304001	6/13/2022	Cerium-144	1.40E-03	1.23E-03	2.60E-03	pCi/m3	U
1114	592750001	7/11/2022	Cerium-144	1.86E-03	1.46E-03	3.28E-03	pCi/m3	U
1114	592751001	8/8/2022	Cerium-144	-5.45E-04	1.21E-03	3.39E-03	pCi/m3	U
1114	600035001	9/5/2022	Cerium-144	1.67E-03	9.43E-04	3.39E-03	pCi/m3	U
1114	600037001	10/3/2022	Cerium-144	-1.31E-03	1.38E-03	4.22E-03	pCi/m3	U
1114	606085001	10/31/2022	Cerium-144	-4.76E-04	1.09E-03	3.49E-03	pCi/m3	U
1114	606539001	11/28/2022	Cerium-144	-2.63E-04	1.05E-03	3.40E-03	pCi/m3	U
1114	609493001	12/26/2022	Cerium-144	-2.53E-04	8.70E-04	2.72E-03	pCi/m3	U
1114	571510010	1/24/2022	Cesium-134	-6.41E-05	2.88E-04	8.05E-04	pCi/m3	U
1114	574141001	2/21/2022	Cesium-134	1.57E-04	3.02E-04	8.93E-04	pCi/m3	U
1114	578170011	3/21/2022	Cesium-134	-5.30E-04	2.60E-04	7.09E-04	pCi/m3	U
1114	582160001	4/18/2022	Cesium-134	5.74E-05	3.32E-04	1.11E-03	pCi/m3	U
1114	585159001	5/16/2022	Cesium-134	-1.61E-05	3.01E-04	9.55E-04	pCi/m3	U
1114	587304001	6/13/2022	Cesium-134	-1.04E-04	2.33E-04	7.59E-04	pCi/m3	U
1114	592750001	7/11/2022	Cesium-134	-3.34E-04	2.94E-04	8.91E-04	pCi/m3	U
1114	592751001	8/8/2022	Cesium-134	3.02E-04	2.38E-04	8.74E-04	pCi/m3	U
1114	600035001	9/5/2022	Cesium-134	7.58E-05	3.16E-04	1.05E-03	pCi/m3	U
1114	600037001	10/3/2022	Cesium-134	-7.66E-05	3.71E-04	1.24E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	606085001	10/31/2022	Cesium-134	-1.18E-04	3.02E-04	9.87E-04	pCi/m3	U
1114	606539001	11/28/2022	Cesium-134	-3.27E-04	2.29E-04	6.34E-04	pCi/m3	U
1114	609493001	12/26/2022	Cesium-134	-2.90E-05	2.04E-04	6.43E-04	pCi/m3	U
1114	571510010	1/24/2022	Cesium-137	1.00E-05	2.61E-04	8.77E-04	pCi/m3	U
1114	574141001	2/21/2022	Cesium-137	-1.26E-04	2.33E-04	7.35E-04	pCi/m3	U
1114	578170011	3/21/2022	Cesium-137	-2.45E-05	2.66E-04	7.33E-04	pCi/m3	U
1114	582160001	4/18/2022	Cesium-137	4.99E-04	2.50E-04	9.66E-04	pCi/m3	U
1114	585159001	5/16/2022	Cesium-137	-3.86E-04	4.06E-04	1.44E-03	pCi/m3	U
1114	587304001	6/13/2022	Cesium-137	8.24E-08	2.12E-04	6.78E-04	pCi/m3	U
1114	592750001	7/11/2022	Cesium-137	4.55E-05	2.05E-04	6.79E-04	pCi/m3	U
1114	592751001	8/8/2022	Cesium-137	-1.24E-04	2.64E-04	7.86E-04	pCi/m3	U
1114	600035001	9/5/2022	Cesium-137	1.88E-04	2.52E-04	8.88E-04	pCi/m3	U
1114	600037001	10/3/2022	Cesium-137	1.65E-04	2.39E-04	8.20E-04	pCi/m3	U
1114	606085001	10/31/2022	Cesium-137	2.81E-04	2.66E-04	9.40E-04	pCi/m3	U
1114	606539001	11/28/2022	Cesium-137	4.26E-04	2.90E-04	1.05E-03	pCi/m3	U
1114	609493001	12/26/2022	Cesium-137	-5.23E-05	2.80E-04	9.05E-04	pCi/m3	U
1114	571510010	1/24/2022	Chromium-51	1.49E-03	4.49E-03	1.49E-02	pCi/m3	U
1114	574141001	2/21/2022	Chromium-51	-9.02E-04	3.59E-03	1.15E-02	pCi/m3	U
1114	578170011	3/21/2022	Chromium-51	1.10E-02	6.16E-03	1.20E-02	pCi/m3	U
1114	582160001	4/18/2022	Chromium-51	4.21E-03	7.66E-03	2.58E-02	pCi/m3	U
1114	585159001	5/16/2022	Chromium-51	1.25E-03	5.38E-03	1.81E-02	pCi/m3	U
1114	587304001	6/13/2022	Chromium-51	-2.35E-03	4.27E-03	1.39E-02	pCi/m3	U
1114	592750001	7/11/2022	Chromium-51	5.26E-03	9.05E-03	3.19E-02	pCi/m3	U
1114	592751001	8/8/2022	Chromium-51	2.76E-03	4.47E-03	1.49E-02	pCi/m3	U
1114	600035001	9/5/2022	Chromium-51	3.40E-02	1.37E-02	1.85E-02	pCi/m3	UI
1114	600037001	10/3/2022	Chromium-51	-4.01E-04	4.47E-03	1.50E-02	pCi/m3	U
1114	606085001	10/31/2022	Chromium-51	-5.83E-03	7.65E-03	2.48E-02	pCi/m3	U
1114	606539001	11/28/2022	Chromium-51	-2.50E-03	4.68E-03	1.54E-02	pCi/m3	U
1114	609493001	12/26/2022	Chromium-51	1.09E-03	4.35E-03	1.45E-02	pCi/m3	U
1114	571510010	1/24/2022	Cobalt-57	-3.93E-05	2.12E-04	5.14E-04	pCi/m3	U
1114	574141001	2/21/2022	Cobalt-57	9.82E-05	1.63E-04	4.67E-04	pCi/m3	U
1114	578170011	3/21/2022	Cobalt-57	-3.38E-05	9.30E-05	3.07E-04	pCi/m3	U
1114	582160001	4/18/2022	Cobalt-57	1.91E-04	1.39E-04	5.05E-04	pCi/m3	U
1114	585159001	5/16/2022	Cobalt-57	2.26E-04	1.35E-04	4.93E-04	pCi/m3	U
1114	587304001	6/13/2022	Cobalt-57	4.08E-05	1.19E-04	3.85E-04	pCi/m3	U
1114	592750001	7/11/2022	Cobalt-57	6.46E-05	1.30E-04	4.42E-04	pCi/m3	U
1114	592751001	8/8/2022	Cobalt-57	-2.90E-05	1.44E-04	4.50E-04	pCi/m3	U
1114	600035001	9/5/2022	Cobalt-57	5.51E-05	1.26E-04	4.21E-04	pCi/m3	U
1114	600037001	10/3/2022	Cobalt-57	1.77E-04	1.63E-04	5.52E-04	pCi/m3	U
1114	606085001	10/31/2022	Cobalt-57	-1.87E-05	1.34E-04	4.36E-04	pCi/m3	U
1114	606539001	11/28/2022	Cobalt-57	8.06E-05	1.11E-04	3.83E-04	pCi/m3	U
1114	609493001	12/26/2022	Cobalt-57	9.39E-05	1.21E-04	4.11E-04	pCi/m3	U
1114	571510010	1/24/2022	Cobalt-58	2.75E-05	3.39E-04	9.92E-04	pCi/m3	U
1114	574141001	2/21/2022	Cobalt-58	5.76E-04	3.06E-04	1.11E-03	pCi/m3	U
1114	578170011	3/21/2022	Cobalt-58	8.16E-05	3.18E-04	1.09E-03	pCi/m3	U
1114	582160001	4/18/2022	Cobalt-58	-1.65E-04	4.08E-04	1.29E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	585159001	5/16/2022	Cobalt-58	2.99E-04	3.38E-04	1.18E-03	pCi/m3	U
1114	587304001	6/13/2022	Cobalt-58	2.76E-04	2.98E-04	1.09E-03	pCi/m3	U
1114	592750001	7/11/2022	Cobalt-58	-9.52E-06	4.05E-04	1.37E-03	pCi/m3	U
1114	592751001	8/8/2022	Cobalt-58	3.01E-05	3.26E-04	1.11E-03	pCi/m3	U
1114	600035001	9/5/2022	Cobalt-58	-1.79E-04	3.50E-04	1.06E-03	pCi/m3	U
1114	600037001	10/3/2022	Cobalt-58	6.69E-04	3.72E-04	1.44E-03	pCi/m3	U
1114	606085001	10/31/2022	Cobalt-58	-1.06E-04	3.88E-04	1.10E-03	pCi/m3	U
1114	606539001	11/28/2022	Cobalt-58	-3.13E-04	3.60E-04	1.11E-03	pCi/m3	U
1114	609493001	12/26/2022	Cobalt-58	2.87E-04	3.45E-04	1.21E-03	pCi/m3	U
1114	571510010	1/24/2022	Cobalt-60	-4.87E-05	2.26E-04	7.31E-04	pCi/m3	U
1114	574141001	2/21/2022	Cobalt-60	4.71E-04	3.08E-04	9.36E-04	pCi/m3	U
1114	578170011	3/21/2022	Cobalt-60	-2.92E-04	2.86E-04	7.03E-04	pCi/m3	U
1114	582160001	4/18/2022	Cobalt-60	1.16E-04	2.78E-04	9.82E-04	pCi/m3	U
1114	585159001	5/16/2022	Cobalt-60	3.85E-04	2.41E-04	9.55E-04	pCi/m3	U
1114	587304001	6/13/2022	Cobalt-60	8.01E-04	2.22E-04	9.09E-04	pCi/m3	U
1114	592750001	7/11/2022	Cobalt-60	4.76E-05	2.58E-04	8.63E-04	pCi/m3	U
1114	592751001	8/8/2022	Cobalt-60	2.27E-04	2.14E-04	7.95E-04	pCi/m3	U
1114	600035001	9/5/2022	Cobalt-60	-3.00E-04	3.24E-04	9.19E-04	pCi/m3	U
1114	600037001	10/3/2022	Cobalt-60	-2.31E-05	2.76E-04	8.86E-04	pCi/m3	U
1114	606085001	10/31/2022	Cobalt-60	-3.92E-04	3.12E-04	8.00E-04	pCi/m3	U
1114	606539001	11/28/2022	Cobalt-60	4.66E-04	2.70E-04	1.10E-03	pCi/m3	U
1114	609493001	12/26/2022	Cobalt-60	-3.45E-04	2.53E-04	5.90E-04	pCi/m3	U
1114	571510010	1/24/2022	Iron-59	-8.05E-04	8.78E-04	2.34E-03	pCi/m3	U
1114	574141001	2/21/2022	Iron-59	-1.20E-03	6.74E-04	1.83E-03	pCi/m3	U
1114	578170011	3/21/2022	Iron-59	-1.20E-04	6.47E-04	2.07E-03	pCi/m3	U
1114	582160001	4/18/2022	Iron-59	-2.35E-04	1.03E-03	3.19E-03	pCi/m3	U
1114	585159001	5/16/2022	Iron-59	1.74E-04	9.87E-04	3.11E-03	pCi/m3	U
1114	587304001	6/13/2022	Iron-59	9.35E-04	9.22E-04	3.18E-03	pCi/m3	U
1114	592750001	7/11/2022	Iron-59	-1.68E-03	1.65E-03	4.22E-03	pCi/m3	U
1114	592751001	8/8/2022	Iron-59	1.29E-03	1.22E-03	2.72E-03	pCi/m3	U
1114	600035001	9/5/2022	Iron-59	-1.54E-04	1.16E-03	3.80E-03	pCi/m3	U
1114	600037001	10/3/2022	Iron-59	1.48E-03	1.13E-03	4.18E-03	pCi/m3	U
1114	606085001	10/31/2022	Iron-59	-3.58E-04	1.25E-03	3.95E-03	pCi/m3	U
1114	606539001	11/28/2022	Iron-59	3.28E-04	8.29E-04	2.89E-03	pCi/m3	U
1114	609493001	12/26/2022	Iron-59	9.53E-04	1.05E-03	3.80E-03	pCi/m3	U
1114	571510010	1/24/2022	Lanthanum-140	-7.26E-03	2.96E-03	6.13E-03	pCi/m3	U
1114	574141001	2/21/2022	Lanthanum-140	-7.89E-04	2.21E-03	7.14E-03	pCi/m3	U
1114	578170011	3/21/2022	Lanthanum-140	-5.04E-04	2.37E-03	7.69E-03	pCi/m3	U
1114	582160001	4/18/2022	Lanthanum-140	-1.39E-02	7.41E-03	1.57E-02	pCi/m3	U
1114	585159001	5/16/2022	Lanthanum-140	-5.38E-05	4.37E-03	1.43E-02	pCi/m3	U
1114	587304001	6/13/2022	Lanthanum-140	-7.77E-04	3.84E-03	1.20E-02	pCi/m3	U
1114	592750001	7/11/2022	Lanthanum-140	-1.95E-03	1.63E-02	5.39E-02	pCi/m3	U
1114	592751001	8/8/2022	Lanthanum-140	3.56E-04	2.28E-03	7.68E-03	pCi/m3	U
1114	600035001	9/5/2022	Lanthanum-140	1.18E-02	1.18E-02	4.47E-02	pCi/m3	U
1114	600037001	10/3/2022	Lanthanum-140	2.10E-03	2.50E-03	9.11E-03	pCi/m3	U
1114	606085001	10/31/2022	Lanthanum-140	1.07E-02	1.23E-02	4.65E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	606539001	11/28/2022	Lanthanum-140	-4.04E-03	3.51E-03	9.49E-03	pCi/m3	U
1114	609493001	12/26/2022	Lanthanum-140	-3.04E-03	2.88E-03	7.44E-03	pCi/m3	U
1114	571510010	1/24/2022	Lead-210	4.52E-02	5.56E-02	1.72E-01	pCi/m3	U
1114	574141001	2/21/2022	Lead-210	-8.48E-02	5.58E-02	1.77E-01	pCi/m3	U
1114	578170011	3/21/2022	Lead-210	1.98E-03	4.23E-02	7.55E-02	pCi/m3	U
1114	582160001	4/18/2022	Lead-210	3.54E-02	5.25E-02	1.62E-01	pCi/m3	U
1114	585159001	5/16/2022	Lead-210	2.49E-02	2.66E-02	8.82E-02	pCi/m3	U
1114	587304001	6/13/2022	Lead-210	1.32E-02	1.29E-02	2.26E-02	pCi/m3	U
1114	592750001	7/11/2022	Lead-210	-2.37E-02	3.00E-02	9.32E-02	pCi/m3	U
1114	592751001	8/8/2022	Lead-210	7.74E-03	3.75E-02	1.27E-01	pCi/m3	U
1114	600035001	9/5/2022	Lead-210	-3.28E-02	5.42E-02	1.65E-01	pCi/m3	U
1114	600037001	10/3/2022	Lead-210	9.35E-02	6.82E-02	1.25E-01	pCi/m3	U
1114	606085001	10/31/2022	Lead-210	2.10E-02	2.77E-02	8.97E-02	pCi/m3	U
1114	606539001	11/28/2022	Lead-210	1.01E-02	4.87E-02	7.95E-02	pCi/m3	U
1114	609493001	12/26/2022	Lead-210	-1.68E-03	6.34E-02	2.01E-01	pCi/m3	U
1114	571510010	1/24/2022	Lead-212	1.40E-04	7.01E-04	1.66E-03	pCi/m3	U
1114	574141001	2/21/2022	Lead-212	1.63E-03	9.13E-04	1.02E-03	pCi/m3	UI
1114	578170011	3/21/2022	Lead-212	7.30E-04	5.39E-04	1.10E-03	pCi/m3	U
1114	582160001	4/18/2022	Lead-212	3.34E-05	4.62E-04	1.52E-03	pCi/m3	U
1114	585159001	5/16/2022	Lead-212	-6.09E-05	4.25E-04	1.33E-03	pCi/m3	U
1114	587304001	6/13/2022	Lead-212	7.33E-04	7.53E-04	1.37E-03	pCi/m3	U
1114	592750001	7/11/2022	Lead-212	8.25E-04	6.39E-04	1.39E-03	pCi/m3	U
1114	592751001	8/8/2022	Lead-212	9.46E-05	3.83E-04	1.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Lead-212	5.35E-04	6.45E-04	1.29E-03	pCi/m3	U
1114	600037001	10/3/2022	Lead-212	6.97E-04	5.01E-04	1.73E-03	pCi/m3	U
1114	606085001	10/31/2022	Lead-212	8.85E-04	6.69E-04	1.25E-03	pCi/m3	U
1114	606539001	11/28/2022	Lead-212	7.17E-04	7.79E-04	9.52E-04	pCi/m3	U
1114	609493001	12/26/2022	Lead-212	9.52E-04	6.44E-04	8.91E-04	pCi/m3	UI
1114	571510010	1/24/2022	Lead-214	2.78E-03	9.78E-04	2.59E-03	pCi/m3	UI
1114	574141001	2/21/2022	Lead-214	1.83E-03	8.97E-04	2.09E-03	pCi/m3	U
1114	578170011	3/21/2022	Lead-214	1.55E-04	4.65E-04	1.45E-03	pCi/m3	U
1114	582160001	4/18/2022	Lead-214	1.19E-04	5.97E-04	1.88E-03	pCi/m3	U
1114	585159001	5/16/2022	Lead-214	1.60E-03	5.36E-04	1.90E-03	pCi/m3	U
1114	587304001	6/13/2022	Lead-214	1.04E-03	7.50E-04	1.64E-03	pCi/m3	U
1114	592750001	7/11/2022	Lead-214	7.15E-04	9.30E-04	2.03E-03	pCi/m3	U
1114	592751001	8/8/2022	Lead-214	1.38E-03	9.52E-04	2.01E-03	pCi/m3	U
1114	600035001	9/5/2022	Lead-214	-3.59E-04	5.45E-04	1.55E-03	pCi/m3	U
1114	600037001	10/3/2022	Lead-214	1.27E-03	8.35E-04	2.26E-03	pCi/m3	U
1114	606085001	10/31/2022	Lead-214	9.38E-04	8.51E-04	1.72E-03	pCi/m3	U
1114	606539001	11/28/2022	Lead-214	1.91E-03	7.81E-04	1.95E-03	pCi/m3	U
1114	609493001	12/26/2022	Lead-214	-9.42E-05	5.91E-04	1.70E-03	pCi/m3	U
1114	571510010	1/24/2022	Manganese-54	9.90E-05	2.84E-04	9.65E-04	pCi/m3	U
1114	574141001	2/21/2022	Manganese-54	5.09E-04	3.17E-04	1.01E-03	pCi/m3	U
1114	578170011	3/21/2022	Manganese-54	-3.07E-04	2.09E-04	6.10E-04	pCi/m3	U
1114	582160001	4/18/2022	Manganese-54	-1.67E-04	2.39E-04	7.22E-04	pCi/m3	U
1114	585159001	5/16/2022	Manganese-54	4.07E-04	1.94E-04	7.43E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	587304001	6/13/2022	Manganese-54	-2.26E-04	2.26E-04	6.96E-04	pCi/m3	U
1114	592750001	7/11/2022	Manganese-54	1.41E-04	3.02E-04	1.06E-03	pCi/m3	U
1114	592751001	8/8/2022	Manganese-54	1.70E-04	2.70E-04	8.59E-04	pCi/m3	U
1114	600035001	9/5/2022	Manganese-54	-1.01E-04	2.76E-04	8.59E-04	pCi/m3	U
1114	600037001	10/3/2022	Manganese-54	-2.88E-04	2.75E-04	8.35E-04	pCi/m3	U
1114	606085001	10/31/2022	Manganese-54	-4.26E-04	2.56E-04	6.99E-04	pCi/m3	U
1114	606539001	11/28/2022	Manganese-54	5.06E-04	2.62E-04	8.45E-04	pCi/m3	U
1114	609493001	12/26/2022	Manganese-54	-1.10E-04	3.30E-04	1.03E-03	pCi/m3	U
1114	571510010	1/24/2022	Molybdenum-99	2.00E+01	3.03E+01	0.00E+00	pCi/m3	UI
1114	574141001	2/21/2022	Molybdenum-99	3.77E+00	7.55E+00	0.00E+00	pCi/m3	UI
1114	578170011	3/21/2022	Molybdenum-99	-3.95E+01	2.89E+01	0.00E+00	pCi/m3	U
1114	582160001	4/18/2022	Molybdenum-99	-4.74E+02	5.40E+03	0.00E+00	pCi/m3	U
1114	585159001	5/16/2022	Molybdenum-99	5.16E+02	9.58E+02	0.00E+00	pCi/m3	UI
1114	587304001	6/13/2022	Molybdenum-99	-1.99E+02	1.64E+02	0.00E+00	pCi/m3	U
1114	592750001	7/11/2022	Molybdenum-99	-9.65E+04	1.25E+05	0.00E+00	pCi/m3	U
1114	592751001	8/8/2022	Molybdenum-99	-1.53E+02	1.29E+02	0.00E+00	pCi/m3	U
1114	600035001	9/5/2022	Molybdenum-99	8.66E+03	2.89E+04	0.00E+00	pCi/m3	UI
1114	600037001	10/3/2022	Molybdenum-99	-1.64E+01	3.12E+01	0.00E+00	pCi/m3	U
1114	606085001	10/31/2022	Molybdenum-99	3.24E+03	4.07E+04	0.00E+00	pCi/m3	UI
1114	606539001	11/28/2022	Molybdenum-99	2.84E+02	1.41E+02	0.00E+00	pCi/m3	UI
1114	609493001	12/26/2022	Molybdenum-99	1.86E+02	1.04E+02	0.00E+00	pCi/m3	UI
1114	571510010	1/24/2022	Niobium-95	-1.09E-04	3.56E-04	1.07E-03	pCi/m3	U
1114	574141001	2/21/2022	Niobium-95	1.23E-04	3.02E-04	1.01E-03	pCi/m3	U
1114	578170011	3/21/2022	Niobium-95	1.97E-04	2.89E-04	1.03E-03	pCi/m3	U
1114	582160001	4/18/2022	Niobium-95	4.35E-04	5.91E-04	1.95E-03	pCi/m3	U
1114	585159001	5/16/2022	Niobium-95	-7.44E-04	3.38E-04	7.81E-04	pCi/m3	U
1114	587304001	6/13/2022	Niobium-95	-6.26E-04	2.66E-04	5.42E-04	pCi/m3	U
1114	592750001	7/11/2022	Niobium-95	1.86E-05	4.79E-04	1.53E-03	pCi/m3	U
1114	592751001	8/8/2022	Niobium-95	1.08E-04	3.36E-04	1.10E-03	pCi/m3	U
1114	600035001	9/5/2022	Niobium-95	-2.14E-04	4.82E-04	1.51E-03	pCi/m3	U
1114	600037001	10/3/2022	Niobium-95	3.30E-04	4.36E-04	1.56E-03	pCi/m3	U
1114	606085001	10/31/2022	Niobium-95	-5.99E-04	5.23E-04	1.44E-03	pCi/m3	U
1114	606539001	11/28/2022	Niobium-95	-7.18E-04	4.09E-04	1.02E-03	pCi/m3	U
1114	609493001	12/26/2022	Niobium-95	2.25E-04	3.60E-04	1.24E-03	pCi/m3	U
1114	571510010	1/24/2022	Potassium-40	2.60E-03	5.39E-03	1.31E-02	pCi/m3	U
1114	574141001	2/21/2022	Potassium-40	3.14E-03	6.06E-03	8.54E-03	pCi/m3	U
1114	578170011	3/21/2022	Potassium-40	1.00E-02	4.16E-03	8.89E-03	pCi/m3	UI
1114	582160001	4/18/2022	Potassium-40	-2.78E-03	4.19E-03	1.48E-02	pCi/m3	U
1114	585159001	5/16/2022	Potassium-40	3.49E-03	4.37E-03	1.53E-02	pCi/m3	U
1114	587304001	6/13/2022	Potassium-40	-2.00E-03	4.16E-03	1.47E-02	pCi/m3	U
1114	592750001	7/11/2022	Potassium-40	2.39E-02	5.19E-03	8.20E-03	pCi/m3	U
1114	592751001	8/8/2022	Potassium-40	9.99E-03	5.98E-03	7.42E-03	pCi/m3	UI
1114	600035001	9/5/2022	Potassium-40	2.64E-03	3.86E-03	8.91E-03	pCi/m3	U
1114	600037001	10/3/2022	Potassium-40	3.01E-02	7.08E-03	8.31E-03	pCi/m3	U
1114	606085001	10/31/2022	Potassium-40	4.96E-03	4.98E-03	7.26E-03	pCi/m3	U
1114	606539001	11/28/2022	Potassium-40	-5.19E-03	5.62E-03	1.65E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	609493001	12/26/2022	Potassium-40	7.84E-03	3.59E-03	1.46E-02	pCi/m3	U
1114	571510010	1/24/2022	Radium-226	3.62E-03	1.25E-03	3.05E-03	pCi/m3	UI
1114	574141001	2/21/2022	Radium-226	1.95E-03	1.12E-03	1.55E-03	pCi/m3	UI
1114	578170011	3/21/2022	Radium-226	6.37E-04	6.41E-04	1.65E-03	pCi/m3	U
1114	582160001	4/18/2022	Radium-226	1.07E-03	9.01E-04	2.21E-03	pCi/m3	U
1114	585159001	5/16/2022	Radium-226	8.78E-04	1.11E-03	2.19E-03	pCi/m3	U
1114	587304001	6/13/2022	Radium-226	-1.13E-03	5.47E-04	1.54E-03	pCi/m3	U
1114	592750001	7/11/2022	Radium-226	6.30E-04	5.88E-04	2.04E-03	pCi/m3	U
1114	592751001	8/8/2022	Radium-226	1.04E-03	6.80E-04	2.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Radium-226	-3.59E-04	5.45E-04	1.55E-03	pCi/m3	U
1114	600037001	10/3/2022	Radium-226	1.27E-03	8.35E-04	2.26E-03	pCi/m3	U
1114	606085001	10/31/2022	Radium-226	9.38E-04	8.51E-04	1.72E-03	pCi/m3	U
1114	606539001	11/28/2022	Radium-226	1.91E-03	7.81E-04	1.95E-03	pCi/m3	U
1114	609493001	12/26/2022	Radium-226	-9.42E-05	5.91E-04	1.70E-03	pCi/m3	U
1114	571510010	1/24/2022	Radium-228	3.08E-03	1.65E-03	4.91E-03	pCi/m3	U
1114	574141001	2/21/2022	Radium-228	3.19E-03	1.35E-03	4.43E-03	pCi/m3	U
1114	578170011	3/21/2022	Radium-228	1.76E-04	1.10E-03	3.28E-03	pCi/m3	U
1114	582160001	4/18/2022	Radium-228	8.78E-04	1.68E-03	4.50E-03	pCi/m3	U
1114	585159001	5/16/2022	Radium-228	8.97E-04	1.22E-03	4.11E-03	pCi/m3	U
1114	587304001	6/13/2022	Radium-228	2.09E-03	1.48E-03	2.42E-03	pCi/m3	U
1114	592750001	7/11/2022	Radium-228	1.28E-04	1.22E-03	4.31E-03	pCi/m3	U
1114	592751001	8/8/2022	Radium-228	1.53E-03	1.84E-03	3.87E-03	pCi/m3	U
1114	600035001	9/5/2022	Radium-228	4.39E-04	9.36E-04	3.17E-03	pCi/m3	U
1114	600037001	10/3/2022	Radium-228	1.48E-03	1.61E-03	4.16E-03	pCi/m3	U
1114	606085001	10/31/2022	Radium-228	-2.41E-03	1.27E-03	3.74E-03	pCi/m3	U
1114	606539001	11/28/2022	Radium-228	3.96E-03	1.23E-03	2.62E-03	pCi/m3	U
1114	609493001	12/26/2022	Radium-228	1.72E-03	1.33E-03	3.84E-03	pCi/m3	U
1114	571510010	1/24/2022	Ruthenium-103	9.85E-04	3.96E-04	1.51E-03	pCi/m3	U
1114	574141001	2/21/2022	Ruthenium-103	-3.75E-04	3.33E-04	1.05E-03	pCi/m3	U
1114	578170011	3/21/2022	Ruthenium-103	1.34E-03	7.80E-04	9.57E-04	pCi/m3	UI
1114	582160001	4/18/2022	Ruthenium-103	4.13E-04	7.01E-04	2.32E-03	pCi/m3	U
1114	585159001	5/16/2022	Ruthenium-103	3.47E-04	4.66E-04	1.60E-03	pCi/m3	U
1114	587304001	6/13/2022	Ruthenium-103	4.71E-04	3.15E-04	1.16E-03	pCi/m3	U
1114	592750001	7/11/2022	Ruthenium-103	1.78E-04	6.39E-04	2.16E-03	pCi/m3	U
1114	592751001	8/8/2022	Ruthenium-103	-1.81E-04	3.99E-04	1.30E-03	pCi/m3	U
1114	600035001	9/5/2022	Ruthenium-103	-3.63E-04	5.53E-04	1.63E-03	pCi/m3	U
1114	600037001	10/3/2022	Ruthenium-103	-3.36E-04	4.36E-04	1.34E-03	pCi/m3	U
1114	606085001	10/31/2022	Ruthenium-103	7.29E-04	6.65E-04	2.38E-03	pCi/m3	U
1114	606539001	11/28/2022	Ruthenium-103	-1.21E-04	3.83E-04	1.22E-03	pCi/m3	U
1114	609493001	12/26/2022	Ruthenium-103	2.08E-08	4.04E-04	1.21E-03	pCi/m3	U
1114	571510010	1/24/2022	Ruthenium-106	-4.53E-03	2.41E-03	6.89E-03	pCi/m3	U
1114	574141001	2/21/2022	Ruthenium-106	-7.53E-04	2.08E-03	6.70E-03	pCi/m3	U
1114	578170011	3/21/2022	Ruthenium-106	-7.51E-05	1.89E-03	6.08E-03	pCi/m3	U
1114	582160001	4/18/2022	Ruthenium-106	2.77E-03	2.39E-03	8.70E-03	pCi/m3	U
1114	585159001	5/16/2022	Ruthenium-106	6.78E-04	2.04E-03	6.78E-03	pCi/m3	U
1114	587304001	6/13/2022	Ruthenium-106	7.96E-03	2.86E-03	6.62E-03	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	592750001	7/11/2022	Ruthenium-106	-2.66E-03	2.65E-03	7.79E-03	pCi/m3	U
1114	592751001	8/8/2022	Ruthenium-106	5.30E-04	2.13E-03	7.09E-03	pCi/m3	U
1114	600035001	9/5/2022	Ruthenium-106	3.07E-03	2.33E-03	7.93E-03	pCi/m3	U
1114	600037001	10/3/2022	Ruthenium-106	2.86E-03	2.67E-03	9.32E-03	pCi/m3	U
1114	606085001	10/31/2022	Ruthenium-106	2.15E-03	2.44E-03	8.52E-03	pCi/m3	U
1114	606539001	11/28/2022	Ruthenium-106	1.41E-03	2.12E-03	7.32E-03	pCi/m3	U
1114	609493001	12/26/2022	Ruthenium-106	-5.64E-04	2.57E-03	7.71E-03	pCi/m3	U
1114	571510010	1/24/2022	Selenium-75	-1.70E-04	3.31E-04	1.06E-03	pCi/m3	U
1114	574141001	2/21/2022	Selenium-75	4.31E-04	2.76E-04	9.78E-04	pCi/m3	U
1114	578170011	3/21/2022	Selenium-75	-1.63E-04	2.50E-04	7.56E-04	pCi/m3	U
1114	582160001	4/18/2022	Selenium-75	4.90E-04	3.55E-04	1.16E-03	pCi/m3	U
1114	585159001	5/16/2022	Selenium-75	-2.87E-04	3.55E-04	1.02E-03	pCi/m3	U
1114	587304001	6/13/2022	Selenium-75	1.17E-04	2.71E-04	9.39E-04	pCi/m3	U
1114	592750001	7/11/2022	Selenium-75	4.32E-04	3.49E-04	1.19E-03	pCi/m3	U
1114	592751001	8/8/2022	Selenium-75	-2.15E-05	2.68E-04	8.80E-04	pCi/m3	U
1114	600035001	9/5/2022	Selenium-75	-6.88E-05	3.43E-04	1.02E-03	pCi/m3	U
1114	600037001	10/3/2022	Selenium-75	3.21E-04	3.73E-04	1.32E-03	pCi/m3	U
1114	606085001	10/31/2022	Selenium-75	-1.55E-04	3.63E-04	1.09E-03	pCi/m3	U
1114	606539001	11/28/2022	Selenium-75	1.24E-04	3.37E-04	1.08E-03	pCi/m3	U
1114	609493001	12/26/2022	Selenium-75	4.51E-05	3.24E-04	1.09E-03	pCi/m3	U
1114	571510010	1/24/2022	Silver-108m	2.08E-04	1.90E-04	6.60E-04	pCi/m3	U
1114	574141001	2/21/2022	Silver-108m	-7.06E-05	1.74E-04	5.80E-04	pCi/m3	U
1114	578170011	3/21/2022	Silver-108m	-7.83E-05	1.48E-04	4.76E-04	pCi/m3	U
1114	582160001	4/18/2022	Silver-108m	9.29E-05	1.98E-04	6.56E-04	pCi/m3	U
1114	585159001	5/16/2022	Silver-108m	1.10E-05	1.66E-04	5.47E-04	pCi/m3	U
1114	587304001	6/13/2022	Silver-108m	2.94E-05	1.58E-04	5.27E-04	pCi/m3	U
1114	592750001	7/11/2022	Silver-108m	3.00E-04	1.76E-04	6.61E-04	pCi/m3	U
1114	592751001	8/8/2022	Silver-108m	5.22E-04	2.38E-04	6.25E-04	pCi/m3	U
1114	600035001	9/5/2022	Silver-108m	-3.23E-05	1.87E-04	5.93E-04	pCi/m3	U
1114	600037001	10/3/2022	Silver-108m	-1.12E-04	2.27E-04	7.23E-04	pCi/m3	U
1114	606085001	10/31/2022	Silver-108m	1.07E-04	1.57E-04	5.55E-04	pCi/m3	U
1114	606539001	11/28/2022	Silver-108m	1.83E-05	1.94E-04	6.51E-04	pCi/m3	U
1114	609493001	12/26/2022	Silver-108m	4.03E-04	1.56E-04	6.13E-04	pCi/m3	U
1114	571510010	1/24/2022	Silver-110m	-1.47E-04	3.53E-04	1.10E-03	pCi/m3	U
1114	574141001	2/21/2022	Silver-110m	-2.96E-04	3.97E-04	1.28E-03	pCi/m3	U
1114	578170011	3/21/2022	Silver-110m	1.33E-04	3.22E-04	9.98E-04	pCi/m3	U
1114	582160001	4/18/2022	Silver-110m	1.47E-04	4.26E-04	1.44E-03	pCi/m3	U
1114	585159001	5/16/2022	Silver-110m	-2.83E-04	3.64E-04	1.05E-03	pCi/m3	U
1114	587304001	6/13/2022	Silver-110m	2.32E-04	3.34E-04	1.19E-03	pCi/m3	U
1114	592750001	7/11/2022	Silver-110m	-1.04E-04	3.83E-04	1.25E-03	pCi/m3	U
1114	592751001	8/8/2022	Silver-110m	-1.31E-04	3.24E-04	1.05E-03	pCi/m3	U
1114	600035001	9/5/2022	Silver-110m	2.99E-04	4.04E-04	1.28E-03	pCi/m3	U
1114	600037001	10/3/2022	Silver-110m	2.00E-04	4.50E-04	1.57E-03	pCi/m3	U
1114	606085001	10/31/2022	Silver-110m	-6.69E-04	4.13E-04	1.14E-03	pCi/m3	U
1114	606539001	11/28/2022	Silver-110m	3.02E-04	3.78E-04	1.37E-03	pCi/m3	U
1114	609493001	12/26/2022	Silver-110m	-6.24E-04	4.34E-04	1.27E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	571510010	1/24/2022	Tellurium-132	6.60E-01	6.65E-01	0.00E+00	pCi/m3	UI
1114	574141001	2/21/2022	Tellurium-132	4.15E-02	2.07E-01	0.00E+00	pCi/m3	UI
1114	578170011	3/21/2022	Tellurium-132	-4.74E-01	6.33E-01	0.00E+00	pCi/m3	U
1114	582160001	4/18/2022	Tellurium-132	8.13E+01	5.88E+01	0.00E+00	pCi/m3	UI
1114	585159001	5/16/2022	Tellurium-132	-4.48E+00	1.25E+01	0.00E+00	pCi/m3	U
1114	587304001	6/13/2022	Tellurium-132	-2.20E+00	2.34E+00	0.00E+00	pCi/m3	U
1114	592750001	7/11/2022	Tellurium-132	-2.50E+03	9.45E+02	0.00E+00	pCi/m3	U
1114	592751001	8/8/2022	Tellurium-132	-5.42E+00	2.02E+00	0.00E+00	pCi/m3	U
1114	600035001	9/5/2022	Tellurium-132	1.51E+02	2.40E+02	0.00E+00	pCi/m3	UI
1114	600037001	10/3/2022	Tellurium-132	4.64E-01	6.33E-01	0.00E+00	pCi/m3	UI
1114	606085001	10/31/2022	Tellurium-132	-7.08E+01	3.38E+02	0.00E+00	pCi/m3	U
1114	606539001	11/28/2022	Tellurium-132	-1.21E+00	2.44E+00	0.00E+00	pCi/m3	U
1114	609493001	12/26/2022	Tellurium-132	3.51E-01	1.86E+00	0.00E+00	pCi/m3	UI
1114	571510010	1/24/2022	Thallium-208	7.25E-05	3.41E-04	1.20E-03	pCi/m3	U
1114	574141001	2/21/2022	Thallium-208	-2.58E-04	2.83E-04	9.06E-04	pCi/m3	U
1114	578170011	3/21/2022	Thallium-208	7.75E-04	3.41E-04	4.84E-04	pCi/m3	UI
1114	582160001	4/18/2022	Thallium-208	6.07E-04	4.46E-04	7.01E-04	pCi/m3	U
1114	585159001	5/16/2022	Thallium-208	3.83E-04	3.21E-04	7.25E-04	pCi/m3	U
1114	587304001	6/13/2022	Thallium-208	1.64E-04	2.73E-04	9.09E-04	pCi/m3	U
1114	592750001	7/11/2022	Thallium-208	1.27E-03	4.00E-04	8.07E-04	pCi/m3	U
1114	592751001	8/8/2022	Thallium-208	-1.44E-04	2.90E-04	9.10E-04	pCi/m3	U
1114	600035001	9/5/2022	Thallium-208	-7.05E-05	2.74E-04	8.01E-04	pCi/m3	U
1114	600037001	10/3/2022	Thallium-208	7.85E-04	5.81E-04	8.19E-04	pCi/m3	U
1114	606085001	10/31/2022	Thallium-208	6.20E-04	4.28E-04	4.24E-04	pCi/m3	UI
1114	606539001	11/28/2022	Thallium-208	5.95E-04	3.16E-04	1.08E-03	pCi/m3	U
1114	609493001	12/26/2022	Thallium-208	5.05E-04	3.59E-04	5.64E-04	pCi/m3	U
1114	571510010	1/24/2022	Thorium-228	1.40E-04	7.01E-04	1.66E-03	pCi/m3	U
1114	574141001	2/21/2022	Thorium-228	1.63E-03	9.13E-04	1.02E-03	pCi/m3	UI
1114	578170011	3/21/2022	Thorium-228	7.30E-04	5.39E-04	1.10E-03	pCi/m3	U
1114	582160001	4/18/2022	Thorium-228	3.34E-05	4.62E-04	1.52E-03	pCi/m3	U
1114	585159001	5/16/2022	Thorium-228	-6.09E-05	4.25E-04	1.33E-03	pCi/m3	U
1114	587304001	6/13/2022	Thorium-228	7.33E-04	7.53E-04	1.37E-03	pCi/m3	U
1114	592750001	7/11/2022	Thorium-228	8.25E-04	6.39E-04	1.39E-03	pCi/m3	U
1114	592751001	8/8/2022	Thorium-228	9.46E-05	3.83E-04	1.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Thorium-228	5.35E-04	6.45E-04	1.29E-03	pCi/m3	U
1114	600037001	10/3/2022	Thorium-228	6.97E-04	5.01E-04	1.73E-03	pCi/m3	U
1114	606085001	10/31/2022	Thorium-228	8.85E-04	6.69E-04	1.25E-03	pCi/m3	U
1114	606539001	11/28/2022	Thorium-228	7.17E-04	7.79E-04	9.52E-04	pCi/m3	U
1114	609493001	12/26/2022	Thorium-228	9.52E-04	6.44E-04	8.91E-04	pCi/m3	UI
1114	571510010	1/24/2022	Thorium-230	3.62E-03	1.25E-03	3.05E-03	pCi/m3	UI
1114	574141001	2/21/2022	Thorium-230	1.95E-03	1.12E-03	1.55E-03	pCi/m3	UI
1114	578170011	3/21/2022	Thorium-230	6.37E-04	6.41E-04	1.65E-03	pCi/m3	U
1114	582160001	4/18/2022	Thorium-230	1.07E-03	9.01E-04	2.21E-03	pCi/m3	U
1114	585159001	5/16/2022	Thorium-230	8.78E-04	1.11E-03	2.19E-03	pCi/m3	U
1114	587304001	6/13/2022	Thorium-230	-1.13E-03	5.47E-04	1.54E-03	pCi/m3	U
1114	592750001	7/11/2022	Thorium-230	6.30E-04	5.88E-04	2.04E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	592751001	8/8/2022	Thorium-230	1.04E-03	6.80E-04	2.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Thorium-230	-3.59E-04	5.45E-04	1.55E-03	pCi/m3	U
1114	600037001	10/3/2022	Thorium-230	1.27E-03	8.35E-04	2.26E-03	pCi/m3	U
1114	606085001	10/31/2022	Thorium-230	9.38E-04	8.51E-04	1.72E-03	pCi/m3	U
1114	606539001	11/28/2022	Thorium-230	1.91E-03	7.81E-04	1.95E-03	pCi/m3	U
1114	609493001	12/26/2022	Thorium-230	-9.42E-05	5.91E-04	1.70E-03	pCi/m3	U
1114	571510010	1/24/2022	Thorium-232	3.08E-03	1.65E-03	4.91E-03	pCi/m3	U
1114	574141001	2/21/2022	Thorium-232	3.19E-03	1.35E-03	4.43E-03	pCi/m3	U
1114	578170011	3/21/2022	Thorium-232	1.76E-04	1.10E-03	3.28E-03	pCi/m3	U
1114	582160001	4/18/2022	Thorium-232	8.78E-04	1.68E-03	4.50E-03	pCi/m3	U
1114	585159001	5/16/2022	Thorium-232	8.97E-04	1.22E-03	4.11E-03	pCi/m3	U
1114	587304001	6/13/2022	Thorium-232	2.09E-03	1.48E-03	2.42E-03	pCi/m3	U
1114	592750001	7/11/2022	Thorium-232	1.28E-04	1.22E-03	4.31E-03	pCi/m3	U
1114	592751001	8/8/2022	Thorium-232	1.53E-03	1.84E-03	3.87E-03	pCi/m3	U
1114	600035001	9/5/2022	Thorium-232	4.39E-04	9.36E-04	3.17E-03	pCi/m3	U
1114	600037001	10/3/2022	Thorium-232	1.48E-03	1.61E-03	4.16E-03	pCi/m3	U
1114	606085001	10/31/2022	Thorium-232	-2.41E-03	1.27E-03	3.74E-03	pCi/m3	U
1114	606539001	11/28/2022	Thorium-232	3.96E-03	1.23E-03	2.62E-03	pCi/m3	U
1114	609493001	12/26/2022	Thorium-232	1.72E-03	1.33E-03	3.84E-03	pCi/m3	U
1114	571510010	1/24/2022	Thorium-234	-6.17E-03	1.29E-02	3.91E-02	pCi/m3	U
1114	574141001	2/21/2022	Thorium-234	-6.91E-03	1.19E-02	3.64E-02	pCi/m3	U
1114	578170011	3/21/2022	Thorium-234	4.37E-03	1.32E-02	1.70E-02	pCi/m3	U
1114	582160001	4/18/2022	Thorium-234	6.28E-03	1.19E-02	3.96E-02	pCi/m3	U
1114	585159001	5/16/2022	Thorium-234	1.91E-02	1.48E-02	3.18E-02	pCi/m3	U
1114	587304001	6/13/2022	Thorium-234	5.46E-03	6.67E-03	1.14E-02	pCi/m3	U
1114	592750001	7/11/2022	Thorium-234	-4.81E-03	6.56E-03	2.17E-02	pCi/m3	U
1114	592751001	8/8/2022	Thorium-234	-9.53E-03	1.07E-02	3.18E-02	pCi/m3	U
1114	600035001	9/5/2022	Thorium-234	8.61E-03	1.49E-02	2.55E-02	pCi/m3	U
1114	600037001	10/3/2022	Thorium-234	-1.34E-02	1.34E-02	4.53E-02	pCi/m3	U
1114	606085001	10/31/2022	Thorium-234	-1.56E-02	7.27E-03	2.18E-02	pCi/m3	U
1114	606539001	11/28/2022	Thorium-234	-4.29E-03	8.00E-03	2.56E-02	pCi/m3	U
1114	609493001	12/26/2022	Thorium-234	5.21E-03	1.42E-02	2.73E-02	pCi/m3	U
1114	571510010	1/24/2022	Uranium-234	3.62E-03	1.25E-03	3.05E-03	pCi/m3	UI
1114	574141001	2/21/2022	Uranium-234	1.95E-03	1.12E-03	1.55E-03	pCi/m3	UI
1114	578170011	3/21/2022	Uranium-234	6.37E-04	6.41E-04	1.65E-03	pCi/m3	U
1114	582160001	4/18/2022	Uranium-234	1.07E-03	9.01E-04	2.21E-03	pCi/m3	U
1114	585159001	5/16/2022	Uranium-234	8.78E-04	1.11E-03	2.19E-03	pCi/m3	U
1114	587304001	6/13/2022	Uranium-234	-1.13E-03	5.47E-04	1.54E-03	pCi/m3	U
1114	592750001	7/11/2022	Uranium-234	6.30E-04	5.88E-04	2.04E-03	pCi/m3	U
1114	592751001	8/8/2022	Uranium-234	1.04E-03	6.80E-04	2.32E-03	pCi/m3	U
1114	600035001	9/5/2022	Uranium-234	-3.59E-04	5.45E-04	1.55E-03	pCi/m3	U
1114	600037001	10/3/2022	Uranium-234	1.27E-03	8.35E-04	2.26E-03	pCi/m3	U
1114	606085001	10/31/2022	Uranium-234	9.38E-04	8.51E-04	1.72E-03	pCi/m3	U
1114	606539001	11/28/2022	Uranium-234	1.91E-03	7.81E-04	1.95E-03	pCi/m3	U
1114	609493001	12/26/2022	Uranium-234	-9.42E-05	5.91E-04	1.70E-03	pCi/m3	U
1114	571510010	1/24/2022	Zinc-65	-2.64E-05	7.13E-04	2.29E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114	574141001	2/21/2022	Zinc-65	-5.04E-04	6.74E-04	2.11E-03	pCi/m3	U
1114	578170011	3/21/2022	Zinc-65	3.42E-04	5.17E-04	1.80E-03	pCi/m3	U
1114	582160001	4/18/2022	Zinc-65	-6.88E-04	8.34E-04	2.45E-03	pCi/m3	U
1114	585159001	5/16/2022	Zinc-65	-3.86E-04	6.25E-04	1.98E-03	pCi/m3	U
1114	587304001	6/13/2022	Zinc-65	1.07E-03	4.79E-04	1.89E-03	pCi/m3	U
1114	592750001	7/11/2022	Zinc-65	4.85E-04	7.95E-04	2.79E-03	pCi/m3	U
1114	592751001	8/8/2022	Zinc-65	-1.93E-04	5.84E-04	1.86E-03	pCi/m3	U
1114	600035001	9/5/2022	Zinc-65	1.71E-04	1.01E-03	3.02E-03	pCi/m3	U
1114	600037001	10/3/2022	Zinc-65	3.20E-04	7.21E-04	2.49E-03	pCi/m3	U
1114	606085001	10/31/2022	Zinc-65	9.73E-04	5.29E-04	2.12E-03	pCi/m3	U
1114	606539001	11/28/2022	Zinc-65	-1.39E-03	7.97E-04	2.12E-03	pCi/m3	U
1114	609493001	12/26/2022	Zinc-65	-9.11E-04	6.79E-04	1.87E-03	pCi/m3	U
1114	571510010	1/24/2022	Zirconium-95	-1.26E-03	6.33E-04	1.67E-03	pCi/m3	U
1114	574141001	2/21/2022	Zirconium-95	-1.06E-04	4.87E-04	1.55E-03	pCi/m3	U
1114	578170011	3/21/2022	Zirconium-95	5.58E-04	4.89E-04	1.81E-03	pCi/m3	U
1114	582160001	4/18/2022	Zirconium-95	5.52E-04	7.25E-04	2.58E-03	pCi/m3	U
1114	585159001	5/16/2022	Zirconium-95	-1.05E-03	6.66E-04	1.76E-03	pCi/m3	U
1114	587304001	6/13/2022	Zirconium-95	-1.84E-03	6.54E-04	1.44E-03	pCi/m3	U
1114	592750001	7/11/2022	Zirconium-95	1.37E-03	7.05E-04	2.81E-03	pCi/m3	U
1114	592751001	8/8/2022	Zirconium-95	-4.93E-04	6.00E-04	1.80E-03	pCi/m3	U
1114	600035001	9/5/2022	Zirconium-95	-7.30E-05	8.67E-04	2.82E-03	pCi/m3	U
1114	600037001	10/3/2022	Zirconium-95	7.85E-04	7.51E-04	2.75E-03	pCi/m3	U
1114	606085001	10/31/2022	Zirconium-95	1.15E-03	8.62E-04	3.13E-03	pCi/m3	U
1114	606539001	11/28/2022	Zirconium-95	6.33E-04	6.15E-04	2.20E-03	pCi/m3	U
1114	609493001	12/26/2022	Zirconium-95	9.73E-04	6.88E-04	1.76E-03	pCi/m3	U
1206	571510008	1/24/2022	Actinium-228	1.28E-03	1.30E-03	4.73E-03	pCi/m3	U
1206	574141010	2/21/2022	Actinium-228	5.05E-03	1.71E-03	4.59E-03	pCi/m3	UI
1206	578170009	3/21/2022	Actinium-228	3.56E-03	1.80E-03	4.11E-03	pCi/m3	U
1206	582160010	4/18/2022	Actinium-228	3.18E-04	1.25E-03	4.26E-03	pCi/m3	U
1206	585159010	5/16/2022	Actinium-228	3.86E-04	1.34E-03	4.34E-03	pCi/m3	U
1206	587304010	6/13/2022	Actinium-228	4.00E-03	1.45E-03	5.84E-03	pCi/m3	U
1206	592750010	7/11/2022	Actinium-228	1.13E-03	1.48E-03	5.39E-03	pCi/m3	U
1206	592751010	8/8/2022	Actinium-228	1.47E-03	1.44E-03	4.54E-03	pCi/m3	U
1206	600035010	9/5/2022	Actinium-228	1.76E-03	1.30E-03	4.25E-03	pCi/m3	U
1206	600037010	10/3/2022	Actinium-228	3.48E-04	1.71E-03	5.53E-03	pCi/m3	U
1206	606085010	10/31/2022	Actinium-228	-9.78E-04	1.16E-03	3.72E-03	pCi/m3	U
1206	606539010	11/28/2022	Actinium-228	1.85E-04	1.85E-03	3.93E-03	pCi/m3	U
1206	609493010	12/26/2022	Actinium-228	4.24E-03	1.91E-03	5.50E-03	pCi/m3	U
1206	571510008	1/24/2022	Americium-241	3.75E-04	2.20E-04	7.94E-04	pCi/m3	U
1206	574141010	2/21/2022	Americium-241	-1.40E-03	1.61E-03	4.77E-03	pCi/m3	U
1206	578170009	3/21/2022	Americium-241	-1.93E-04	1.25E-03	4.13E-03	pCi/m3	U
1206	582160010	4/18/2022	Americium-241	1.05E-03	1.25E-03	4.12E-03	pCi/m3	U
1206	585159010	5/16/2022	Americium-241	1.64E-03	1.04E-03	3.37E-03	pCi/m3	U
1206	587304010	6/13/2022	Americium-241	-4.42E-05	1.89E-04	5.71E-04	pCi/m3	U
1206	592750010	7/11/2022	Americium-241	-2.43E-04	2.08E-04	6.14E-04	pCi/m3	U
1206	592751010	8/8/2022	Americium-241	-1.22E-03	1.22E-03	3.94E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	600035010	9/5/2022	Americium-241	-2.17E-04	4.38E-04	1.29E-03	pCi/m3	U
1206	600037010	10/3/2022	Americium-241	1.11E-03	6.78E-04	3.19E-03	pCi/m3	U
1206	606085010	10/31/2022	Americium-241	7.25E-05	6.96E-04	2.16E-03	pCi/m3	U
1206	606539010	11/28/2022	Americium-241	6.01E-04	6.69E-04	2.20E-03	pCi/m3	U
1206	609493010	12/26/2022	Americium-241	1.25E-03	1.34E-03	4.51E-03	pCi/m3	U
1206	571510008	1/24/2022	Antimony-124	2.34E-04	1.05E-03	3.50E-03	pCi/m3	U
1206	574141010	2/21/2022	Antimony-124	-1.04E-05	7.67E-04	2.48E-03	pCi/m3	U
1206	578170009	3/21/2022	Antimony-124	-2.35E-03	9.56E-04	2.23E-03	pCi/m3	U
1206	582160010	4/18/2022	Antimony-124	1.16E-03	9.11E-04	3.73E-03	pCi/m3	U
1206	585159010	5/16/2022	Antimony-124	-4.20E-04	1.18E-03	3.63E-03	pCi/m3	U
1206	587304010	6/13/2022	Antimony-124	1.15E-03	1.14E-03	4.32E-03	pCi/m3	U
1206	592750010	7/11/2022	Antimony-124	-1.69E-03	1.30E-03	2.84E-03	pCi/m3	U
1206	592751010	8/8/2022	Antimony-124	9.06E-04	1.03E-03	3.80E-03	pCi/m3	U
1206	600035010	9/5/2022	Antimony-124	1.31E-04	1.18E-03	3.84E-03	pCi/m3	U
1206	600037010	10/3/2022	Antimony-124	-1.71E-03	1.22E-03	2.35E-03	pCi/m3	U
1206	606085010	10/31/2022	Antimony-124	1.20E-03	1.15E-03	4.43E-03	pCi/m3	U
1206	606539010	11/28/2022	Antimony-124	9.77E-04	7.98E-04	3.14E-03	pCi/m3	U
1206	609493010	12/26/2022	Antimony-124	-1.79E-04	1.24E-03	4.09E-03	pCi/m3	U
1206	571510008	1/24/2022	Antimony-125	-2.99E-04	6.65E-04	2.13E-03	pCi/m3	U
1206	574141010	2/21/2022	Antimony-125	-4.22E-04	7.54E-04	2.23E-03	pCi/m3	U
1206	578170009	3/21/2022	Antimony-125	4.45E-04	5.48E-04	1.83E-03	pCi/m3	U
1206	582160010	4/18/2022	Antimony-125	-8.27E-04	6.39E-04	1.74E-03	pCi/m3	U
1206	585159010	5/16/2022	Antimony-125	-8.32E-04	6.30E-04	1.86E-03	pCi/m3	U
1206	587304010	6/13/2022	Antimony-125	2.11E-03	7.08E-04	2.39E-03	pCi/m3	U
1206	592750010	7/11/2022	Antimony-125	-2.63E-04	5.98E-04	1.92E-03	pCi/m3	U
1206	592751010	8/8/2022	Antimony-125	5.99E-05	5.33E-04	1.80E-03	pCi/m3	U
1206	600035010	9/5/2022	Antimony-125	5.82E-04	5.44E-04	1.92E-03	pCi/m3	U
1206	600037010	10/3/2022	Antimony-125	7.50E-04	8.14E-04	2.87E-03	pCi/m3	U
1206	606085010	10/31/2022	Antimony-125	-5.63E-04	5.15E-04	1.56E-03	pCi/m3	U
1206	606539010	11/28/2022	Antimony-125	-9.13E-04	5.06E-04	1.46E-03	pCi/m3	U
1206	609493010	12/26/2022	Antimony-125	7.73E-04	8.01E-04	2.77E-03	pCi/m3	U
1206	571510008	1/24/2022	Barium-140	4.64E-03	6.90E-03	2.39E-02	pCi/m3	U
1206	574141010	2/21/2022	Barium-140	4.26E-03	4.36E-03	1.54E-02	pCi/m3	U
1206	578170009	3/21/2022	Barium-140	5.11E-03	5.97E-03	2.09E-02	pCi/m3	U
1206	582160010	4/18/2022	Barium-140	3.25E-03	1.67E-02	5.62E-02	pCi/m3	U
1206	585159010	5/16/2022	Barium-140	1.47E-02	1.08E-02	4.00E-02	pCi/m3	U
1206	587304010	6/13/2022	Barium-140	1.16E-02	1.19E-02	2.34E-02	pCi/m3	U
1206	592750010	7/11/2022	Barium-140	8.15E-02	4.41E-02	1.67E-01	pCi/m3	U
1206	592751010	8/8/2022	Barium-140	-3.13E-03	9.89E-03	3.19E-02	pCi/m3	U
1206	600035010	9/5/2022	Barium-140	-1.25E-02	2.49E-02	7.77E-02	pCi/m3	U
1206	600037010	10/3/2022	Barium-140	2.90E-03	8.23E-03	2.76E-02	pCi/m3	U
1206	606085010	10/31/2022	Barium-140	-2.23E-02	2.55E-02	7.63E-02	pCi/m3	U
1206	606539010	11/28/2022	Barium-140	2.60E-03	7.18E-03	2.35E-02	pCi/m3	U
1206	609493010	12/26/2022	Barium-140	1.25E-02	1.07E-02	3.74E-02	pCi/m3	U
1206	571510008	1/24/2022	Beryllium-7	8.63E-02	8.49E-03	1.03E-02	pCi/m3	U
1206	574141010	2/21/2022	Beryllium-7	1.52E-01	9.76E-03	9.37E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	578170009	3/21/2022	Beryllium-7	1.15E-01	7.56E-03	8.61E-03	pCi/m3	
1206	582160010	4/18/2022	Beryllium-7	1.54E-01	1.15E-02	8.47E-03	pCi/m3	
1206	585159010	5/16/2022	Beryllium-7	1.32E-01	1.11E-02	1.28E-02	pCi/m3	
1206	587304010	6/13/2022	Beryllium-7	1.32E-01	9.90E-03	1.02E-02	pCi/m3	
1206	592750010	7/11/2022	Beryllium-7	1.37E-01	1.41E-02	1.56E-02	pCi/m3	
1206	592751010	8/8/2022	Beryllium-7	1.01E-01	9.73E-03	1.17E-02	pCi/m3	
1206	600035010	9/5/2022	Beryllium-7	1.15E-01	9.84E-03	1.32E-02	pCi/m3	
1206	600037010	10/3/2022	Beryllium-7	1.17E-01	1.04E-02	1.24E-02	pCi/m3	
1206	606085010	10/31/2022	Beryllium-7	1.04E-01	1.22E-02	1.01E-02	pCi/m3	
1206	606539010	11/28/2022	Beryllium-7	1.06E-01	9.10E-03	8.26E-03	pCi/m3	
1206	609493010	12/26/2022	Beryllium-7	1.02E-01	1.06E-02	1.31E-02	pCi/m3	
1206	566163027	1/3/2022	BETA	1.86E-02	1.31E-03	1.54E-03	pCi/m3	
1206	566828019	1/10/2022	BETA	4.24E-02	1.98E-03	1.65E-03	pCi/m3	
1206	567642021	1/18/2022	BETA	5.06E-02	1.98E-03	1.39E-03	pCi/m3	
1206	568219021	1/24/2022	BETA	4.70E-02	2.25E-03	2.02E-03	pCi/m3	
1206	568939021	1/31/2022	BETA	4.83E-02	2.10E-03	1.73E-03	pCi/m3	
1206	569538027	2/7/2022	BETA	3.87E-02	1.86E-03	1.49E-03	pCi/m3	
1206	570263023	2/14/2022	BETA	4.53E-02	2.01E-03	1.54E-03	pCi/m3	
1206	571003027	2/21/2022	BETA	3.77E-02	1.85E-03	1.57E-03	pCi/m3	
1206	571635021	2/28/2022	BETA	3.25E-02	1.75E-03	1.67E-03	pCi/m3	
1206	572313021	3/7/2022	BETA	5.79E-02	2.26E-03	1.60E-03	pCi/m3	
1206	573042023	3/14/2022	BETA	2.94E-02	1.63E-03	1.51E-03	pCi/m3	
1206	573808017	3/21/2022	BETA	2.56E-02	1.58E-03	1.63E-03	pCi/m3	
1206	574541021	3/28/2022	BETA	2.49E-02	1.53E-03	1.52E-03	pCi/m3	
1206	575128019	4/4/2022	BETA	3.66E-02	1.85E-03	1.62E-03	pCi/m3	
1206	576089019	4/11/2022	BETA	3.08E-02	1.69E-03	1.72E-03	pCi/m3	
1206	576842019	4/18/2022	BETA	3.21E-02	1.71E-03	1.61E-03	pCi/m3	
1206	577600019	4/25/2022	BETA	3.96E-02	1.90E-03	1.54E-03	pCi/m3	
1206	578408019	5/3/2022	BETA	3.27E-02	1.59E-03	1.34E-03	pCi/m3	
1206	579260023	5/9/2022	BETA	2.24E-02	1.59E-03	1.95E-03	pCi/m3	
1206	580039019	5/16/2022	BETA	3.98E-02	1.94E-03	1.67E-03	pCi/m3	
1206	580690019	5/23/2022	BETA	3.87E-02	1.86E-03	1.55E-03	pCi/m3	
1206	581375019	5/30/2022	BETA	2.96E-02	1.65E-03	1.56E-03	pCi/m3	
1206	581944017	6/6/2022	BETA	2.98E-02	1.46E-03	1.44E-03	pCi/m3	
1206	582792019	6/13/2022	BETA	3.25E-02	1.54E-03	1.28E-03	pCi/m3	
1206	583523021	6/20/2022	BETA	3.48E-02	1.56E-03	1.27E-03	pCi/m3	
1206	584133019	6/27/2022	BETA	4.42E-02	1.81E-03	1.48E-03	pCi/m3	
1206	584820019	7/4/2022	BETA	2.60E-02	1.36E-03	1.21E-03	pCi/m3	
1206	585556019	7/11/2022	BETA	2.49E-02	1.34E-03	1.25E-03	pCi/m3	
1206	586336019	7/18/2022	BETA	3.92E-02	1.65E-03	1.23E-03	pCi/m3	
1206	587158019	7/25/2022	BETA	2.93E-02	1.45E-03	1.27E-03	pCi/m3	
1206	587887019	8/1/2022	BETA	2.09E-02	1.23E-03	1.24E-03	pCi/m3	
1206	588821025	8/8/2022	BETA	1.80E-02	1.15E-03	1.27E-03	pCi/m3	
1206	589631023	8/15/2022	BETA	3.25E-02	1.51E-03	1.23E-03	pCi/m3	
1206	590529019	8/22/2022	BETA	4.28E-02	1.76E-03	1.52E-03	pCi/m3	
1206	590546023	8/29/2022	BETA	2.58E-02	1.36E-03	1.26E-03	pCi/m3	

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	592023019	9/5/2022	BETA	3.20E-02	1.52E-03	1.29E-03	pCi/m3	
1206	592701019	9/12/2022	BETA	2.90E-02	1.47E-03	1.41E-03	pCi/m3	
1206	593604021	9/19/2022	BETA	4.67E-02	1.81E-03	1.26E-03	pCi/m3	
1206	594422019	9/26/2022	BETA	4.89E-02	1.83E-03	1.21E-03	pCi/m3	
1206	594990019	10/3/2022	BETA	3.12E-02	1.50E-03	1.27E-03	pCi/m3	
1206	596158019	10/10/2022	BETA	4.62E-02	1.77E-03	1.19E-03	pCi/m3	
1206	597076019	10/17/2022	BETA	4.68E-02	1.84E-03	1.40E-03	pCi/m3	
1206	597935019	10/24/2022	BETA	3.99E-02	1.66E-03	1.21E-03	pCi/m3	
1206	598808019	10/31/2022	BETA	3.39E-02	1.56E-03	1.25E-03	pCi/m3	
1206	599716019	11/7/2022	BETA	5.18E-02	1.90E-03	1.24E-03	pCi/m3	
1206	600681019	11/14/2022	BETA	3.03E-02	1.48E-03	1.25E-03	pCi/m3	
1206	601449023	11/21/2022	BETA	4.87E-02	1.85E-03	1.24E-03	pCi/m3	
1206	602125023	11/28/2022	BETA	5.48E-02	1.98E-03	1.28E-03	pCi/m3	
1206	602823027	12/5/2022	BETA	4.65E-02	1.79E-03	1.21E-03	pCi/m3	
1206	603758019	12/12/2022	BETA	2.79E-02	1.43E-03	1.29E-03	pCi/m3	
1206	604618021	12/19/2022	BETA	3.65E-02	1.60E-03	1.23E-03	pCi/m3	
1206	605325019	12/26/2022	BETA	4.02E-02	1.70E-03	1.24E-03	pCi/m3	
1206	571510008	1/24/2022	Bismuth-214	2.56E-03	9.28E-04	1.43E-03	pCi/m3	UI
1206	574141010	2/21/2022	Bismuth-214	1.83E-03	7.31E-04	2.64E-03	pCi/m3	U
1206	578170009	3/21/2022	Bismuth-214	2.60E-03	9.81E-04	1.51E-03	pCi/m3	
1206	582160010	4/18/2022	Bismuth-214	1.67E-03	1.26E-03	2.44E-03	pCi/m3	U
1206	585159010	5/16/2022	Bismuth-214	-8.19E-04	5.84E-04	1.76E-03	pCi/m3	U
1206	587304010	6/13/2022	Bismuth-214	7.87E-04	6.32E-04	2.24E-03	pCi/m3	U
1206	592750010	7/11/2022	Bismuth-214	1.05E-03	1.04E-03	1.74E-03	pCi/m3	U
1206	592751010	8/8/2022	Bismuth-214	9.03E-04	1.21E-03	2.10E-03	pCi/m3	U
1206	600035010	9/5/2022	Bismuth-214	-1.07E-04	5.13E-04	1.53E-03	pCi/m3	U
1206	600037010	10/3/2022	Bismuth-214	8.59E-04	9.35E-04	3.24E-03	pCi/m3	U
1206	606085010	10/31/2022	Bismuth-214	-2.81E-04	5.59E-04	1.79E-03	pCi/m3	U
1206	606539010	11/28/2022	Bismuth-214	1.19E-03	7.46E-04	1.97E-03	pCi/m3	U
1206	609493010	12/26/2022	Bismuth-214	5.78E-04	1.06E-03	1.60E-03	pCi/m3	U
1206	571510008	1/24/2022	Cerium-141	-1.03E-03	6.01E-04	1.71E-03	pCi/m3	U
1206	574141010	2/21/2022	Cerium-141	-1.15E-04	5.15E-04	1.72E-03	pCi/m3	U
1206	578170009	3/21/2022	Cerium-141	1.19E-04	5.87E-04	1.85E-03	pCi/m3	U
1206	582160010	4/18/2022	Cerium-141	1.27E-03	1.21E-03	2.78E-03	pCi/m3	U
1206	585159010	5/16/2022	Cerium-141	-7.79E-04	7.72E-04	2.53E-03	pCi/m3	U
1206	587304010	6/13/2022	Cerium-141	5.41E-04	9.98E-04	1.92E-03	pCi/m3	U
1206	592750010	7/11/2022	Cerium-141	6.43E-04	9.60E-04	3.25E-03	pCi/m3	U
1206	592751010	8/8/2022	Cerium-141	4.16E-04	6.31E-04	1.85E-03	pCi/m3	U
1206	600035010	9/5/2022	Cerium-141	-2.37E-04	8.48E-04	2.64E-03	pCi/m3	U
1206	600037010	10/3/2022	Cerium-141	-4.12E-04	6.92E-04	2.09E-03	pCi/m3	U
1206	606085010	10/31/2022	Cerium-141	4.88E-04	8.98E-04	2.97E-03	pCi/m3	U
1206	606539010	11/28/2022	Cerium-141	-1.88E-03	6.87E-04	1.78E-03	pCi/m3	U
1206	609493010	12/26/2022	Cerium-141	8.70E-04	7.81E-04	2.40E-03	pCi/m3	U
1206	571510008	1/24/2022	Cerium-144	-8.45E-04	9.68E-04	2.94E-03	pCi/m3	U
1206	574141010	2/21/2022	Cerium-144	-2.24E-04	1.17E-03	3.93E-03	pCi/m3	U
1206	578170009	3/21/2022	Cerium-144	1.51E-04	1.18E-03	3.73E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	582160010	4/18/2022	Cerium-144	8.91E-04	1.26E-03	4.25E-03	pCi/m3	U
1206	585159010	5/16/2022	Cerium-144	1.29E-03	1.13E-03	4.07E-03	pCi/m3	U
1206	587304010	6/13/2022	Cerium-144	-1.64E-03	1.05E-03	2.70E-03	pCi/m3	U
1206	592750010	7/11/2022	Cerium-144	-5.37E-04	8.99E-04	2.85E-03	pCi/m3	U
1206	592751010	8/8/2022	Cerium-144	1.06E-03	1.12E-03	3.82E-03	pCi/m3	U
1206	600035010	9/5/2022	Cerium-144	1.98E-04	1.13E-03	3.62E-03	pCi/m3	U
1206	600037010	10/3/2022	Cerium-144	-2.25E-04	1.43E-03	4.46E-03	pCi/m3	U
1206	606085010	10/31/2022	Cerium-144	7.92E-05	9.71E-04	3.14E-03	pCi/m3	U
1206	606539010	11/28/2022	Cerium-144	-1.07E-04	9.91E-04	3.19E-03	pCi/m3	U
1206	609493010	12/26/2022	Cerium-144	-1.88E-03	1.59E-03	4.70E-03	pCi/m3	U
1206	571510008	1/24/2022	Cesium-134	6.41E-04	3.79E-04	1.39E-03	pCi/m3	U
1206	574141010	2/21/2022	Cesium-134	2.34E-04	3.27E-04	1.06E-03	pCi/m3	U
1206	578170009	3/21/2022	Cesium-134	2.14E-04	2.59E-04	8.85E-04	pCi/m3	U
1206	582160010	4/18/2022	Cesium-134	2.02E-04	2.75E-04	9.52E-04	pCi/m3	U
1206	585159010	5/16/2022	Cesium-134	1.18E-04	3.21E-04	1.06E-03	pCi/m3	U
1206	587304010	6/13/2022	Cesium-134	2.01E-04	3.28E-04	1.11E-03	pCi/m3	U
1206	592750010	7/11/2022	Cesium-134	-2.86E-04	2.67E-04	6.11E-04	pCi/m3	U
1206	592751010	8/8/2022	Cesium-134	-2.25E-04	3.07E-04	9.03E-04	pCi/m3	U
1206	600035010	9/5/2022	Cesium-134	-8.21E-05	2.57E-04	8.49E-04	pCi/m3	U
1206	600037010	10/3/2022	Cesium-134	-4.46E-04	3.36E-04	9.53E-04	pCi/m3	U
1206	606085010	10/31/2022	Cesium-134	-3.83E-05	3.01E-04	9.47E-04	pCi/m3	U
1206	606539010	11/28/2022	Cesium-134	4.30E-04	2.97E-04	1.07E-03	pCi/m3	U
1206	609493010	12/26/2022	Cesium-134	-2.40E-04	4.05E-04	1.24E-03	pCi/m3	U
1206	571510008	1/24/2022	Cesium-137	4.66E-06	2.81E-04	9.06E-04	pCi/m3	U
1206	574141010	2/21/2022	Cesium-137	-4.22E-04	4.52E-04	1.45E-03	pCi/m3	U
1206	578170009	3/21/2022	Cesium-137	8.85E-05	2.36E-04	7.91E-04	pCi/m3	U
1206	582160010	4/18/2022	Cesium-137	2.54E-04	2.66E-04	9.35E-04	pCi/m3	U
1206	585159010	5/16/2022	Cesium-137	-4.98E-04	4.52E-04	1.63E-03	pCi/m3	U
1206	587304010	6/13/2022	Cesium-137	5.66E-06	2.79E-04	8.00E-04	pCi/m3	U
1206	592750010	7/11/2022	Cesium-137	-4.38E-04	3.21E-04	8.13E-04	pCi/m3	U
1206	592751010	8/8/2022	Cesium-137	3.39E-04	2.62E-04	9.47E-04	pCi/m3	U
1206	600035010	9/5/2022	Cesium-137	4.69E-04	2.45E-04	8.99E-04	pCi/m3	U
1206	600037010	10/3/2022	Cesium-137	-2.21E-04	4.44E-04	1.30E-03	pCi/m3	U
1206	606085010	10/31/2022	Cesium-137	7.45E-04	2.60E-04	6.77E-04	pCi/m3	UI
1206	606539010	11/28/2022	Cesium-137	-2.50E-04	2.52E-04	7.53E-04	pCi/m3	U
1206	609493010	12/26/2022	Cesium-137	1.66E-04	3.28E-04	1.08E-03	pCi/m3	U
1206	571510008	1/24/2022	Chromium-51	-3.28E-03	4.56E-03	1.30E-02	pCi/m3	U
1206	574141010	2/21/2022	Chromium-51	1.93E-03	3.62E-03	1.23E-02	pCi/m3	U
1206	578170009	3/21/2022	Chromium-51	-3.85E-04	4.22E-03	1.37E-02	pCi/m3	U
1206	582160010	4/18/2022	Chromium-51	-1.78E-03	6.70E-03	2.25E-02	pCi/m3	U
1206	585159010	5/16/2022	Chromium-51	2.85E-03	6.09E-03	2.08E-02	pCi/m3	U
1206	587304010	6/13/2022	Chromium-51	1.19E-02	3.52E-03	1.46E-02	pCi/m3	U
1206	592750010	7/11/2022	Chromium-51	6.35E-03	1.02E-02	3.58E-02	pCi/m3	U
1206	592751010	8/8/2022	Chromium-51	-4.15E-03	4.61E-03	1.49E-02	pCi/m3	U
1206	600035010	9/5/2022	Chromium-51	1.29E-02	7.76E-03	2.82E-02	pCi/m3	U
1206	600037010	10/3/2022	Chromium-51	-7.10E-03	4.53E-03	1.33E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	606085010	10/31/2022	Chromium-51	1.06E-02	8.55E-03	3.09E-02	pCi/m3	U
1206	606539010	11/28/2022	Chromium-51	-1.78E-03	4.19E-03	1.40E-02	pCi/m3	U
1206	609493010	12/26/2022	Chromium-51	-1.31E-03	6.02E-03	1.98E-02	pCi/m3	U
1206	571510008	1/24/2022	Cobalt-57	1.52E-04	1.22E-04	3.96E-04	pCi/m3	U
1206	574141010	2/21/2022	Cobalt-57	4.07E-05	1.60E-04	5.47E-04	pCi/m3	U
1206	578170009	3/21/2022	Cobalt-57	-2.52E-04	1.46E-04	4.19E-04	pCi/m3	U
1206	582160010	4/18/2022	Cobalt-57	6.30E-05	1.46E-04	4.90E-04	pCi/m3	U
1206	585159010	5/16/2022	Cobalt-57	5.96E-05	1.47E-04	5.14E-04	pCi/m3	U
1206	587304010	6/13/2022	Cobalt-57	6.48E-06	1.32E-04	4.00E-04	pCi/m3	U
1206	592750010	7/11/2022	Cobalt-57	1.27E-04	1.10E-04	3.86E-04	pCi/m3	U
1206	592751010	8/8/2022	Cobalt-57	1.04E-05	1.35E-04	4.45E-04	pCi/m3	U
1206	600035010	9/5/2022	Cobalt-57	-1.91E-05	1.27E-04	3.70E-04	pCi/m3	U
1206	600037010	10/3/2022	Cobalt-57	-1.10E-04	1.83E-04	5.58E-04	pCi/m3	U
1206	606085010	10/31/2022	Cobalt-57	-3.19E-05	1.23E-04	3.89E-04	pCi/m3	U
1206	606539010	11/28/2022	Cobalt-57	8.28E-05	1.10E-04	3.75E-04	pCi/m3	U
1206	609493010	12/26/2022	Cobalt-57	1.80E-04	1.95E-04	6.40E-04	pCi/m3	U
1206	571510008	1/24/2022	Cobalt-58	6.48E-04	3.62E-04	1.43E-03	pCi/m3	U
1206	574141010	2/21/2022	Cobalt-58	2.77E-04	3.12E-04	1.14E-03	pCi/m3	U
1206	578170009	3/21/2022	Cobalt-58	3.19E-04	3.41E-04	1.17E-03	pCi/m3	U
1206	582160010	4/18/2022	Cobalt-58	-3.65E-04	3.32E-04	8.72E-04	pCi/m3	U
1206	585159010	5/16/2022	Cobalt-58	-1.21E-05	4.51E-04	1.43E-03	pCi/m3	U
1206	587304010	6/13/2022	Cobalt-58	-5.10E-04	3.53E-04	9.91E-04	pCi/m3	U
1206	592750010	7/11/2022	Cobalt-58	7.52E-05	4.64E-04	1.43E-03	pCi/m3	U
1206	592751010	8/8/2022	Cobalt-58	1.07E-04	3.87E-04	1.27E-03	pCi/m3	U
1206	600035010	9/5/2022	Cobalt-58	-1.77E-04	3.18E-04	1.02E-03	pCi/m3	U
1206	600037010	10/3/2022	Cobalt-58	-1.24E-05	5.34E-04	1.81E-03	pCi/m3	U
1206	606085010	10/31/2022	Cobalt-58	-8.25E-04	4.89E-04	1.23E-03	pCi/m3	U
1206	606539010	11/28/2022	Cobalt-58	-2.65E-04	3.13E-04	9.05E-04	pCi/m3	U
1206	609493010	12/26/2022	Cobalt-58	5.26E-04	3.91E-04	1.37E-03	pCi/m3	U
1206	571510008	1/24/2022	Cobalt-60	3.89E-04	3.04E-04	1.18E-03	pCi/m3	U
1206	574141010	2/21/2022	Cobalt-60	3.21E-04	3.41E-04	1.24E-03	pCi/m3	U
1206	578170009	3/21/2022	Cobalt-60	-1.26E-04	3.31E-04	1.04E-03	pCi/m3	U
1206	582160010	4/18/2022	Cobalt-60	-2.25E-04	2.50E-04	6.90E-04	pCi/m3	U
1206	585159010	5/16/2022	Cobalt-60	5.92E-04	2.99E-04	1.23E-03	pCi/m3	U
1206	587304010	6/13/2022	Cobalt-60	-4.03E-04	2.79E-04	6.35E-04	pCi/m3	U
1206	592750010	7/11/2022	Cobalt-60	-2.60E-04	2.61E-04	6.42E-04	pCi/m3	U
1206	592751010	8/8/2022	Cobalt-60	5.97E-05	2.65E-04	9.02E-04	pCi/m3	U
1206	600035010	9/5/2022	Cobalt-60	-1.04E-04	3.06E-04	9.64E-04	pCi/m3	U
1206	600037010	10/3/2022	Cobalt-60	-1.30E-04	3.44E-04	1.04E-03	pCi/m3	U
1206	606085010	10/31/2022	Cobalt-60	1.37E-04	1.93E-04	6.73E-04	pCi/m3	U
1206	606539010	11/28/2022	Cobalt-60	-2.86E-04	2.65E-04	7.52E-04	pCi/m3	U
1206	609493010	12/26/2022	Cobalt-60	9.87E-05	3.28E-04	1.10E-03	pCi/m3	U
1206	571510008	1/24/2022	Iron-59	8.40E-04	8.88E-04	3.31E-03	pCi/m3	U
1206	574141010	2/21/2022	Iron-59	6.53E-04	7.00E-04	2.60E-03	pCi/m3	U
1206	578170009	3/21/2022	Iron-59	-4.70E-04	7.72E-04	2.41E-03	pCi/m3	U
1206	582160010	4/18/2022	Iron-59	-7.92E-05	1.18E-03	3.92E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	585159010	5/16/2022	Iron-59	2.37E-04	1.12E-03	3.66E-03	pCi/m3	U
1206	587304010	6/13/2022	Iron-59	-2.41E-03	1.05E-03	2.25E-03	pCi/m3	U
1206	592750010	7/11/2022	Iron-59	2.67E-04	1.16E-03	3.98E-03	pCi/m3	U
1206	592751010	8/8/2022	Iron-59	-7.10E-04	8.39E-04	2.48E-03	pCi/m3	U
1206	600035010	9/5/2022	Iron-59	-2.43E-04	1.09E-03	3.53E-03	pCi/m3	U
1206	600037010	10/3/2022	Iron-59	3.39E-03	1.24E-03	5.27E-03	pCi/m3	U
1206	606085010	10/31/2022	Iron-59	2.13E-03	1.12E-03	4.59E-03	pCi/m3	U
1206	606539010	11/28/2022	Iron-59	3.38E-04	7.44E-04	2.64E-03	pCi/m3	U
1206	609493010	12/26/2022	Iron-59	3.50E-04	1.27E-03	3.81E-03	pCi/m3	U
1206	571510008	1/24/2022	Lanthanum-140	-2.92E-03	2.66E-03	6.53E-03	pCi/m3	U
1206	574141010	2/21/2022	Lanthanum-140	8.33E-04	1.88E-03	6.53E-03	pCi/m3	U
1206	578170009	3/21/2022	Lanthanum-140	1.39E-03	3.17E-03	9.59E-03	pCi/m3	U
1206	582160010	4/18/2022	Lanthanum-140	4.51E-03	6.09E-03	2.26E-02	pCi/m3	U
1206	585159010	5/16/2022	Lanthanum-140	-1.06E-02	5.56E-03	1.15E-02	pCi/m3	U
1206	587304010	6/13/2022	Lanthanum-140	-2.01E-03	4.28E-03	1.26E-02	pCi/m3	U
1206	592750010	7/11/2022	Lanthanum-140	1.50E-02	2.13E-02	7.81E-02	pCi/m3	U
1206	592751010	8/8/2022	Lanthanum-140	3.33E-03	3.99E-03	1.44E-02	pCi/m3	U
1206	600035010	9/5/2022	Lanthanum-140	-2.28E-03	1.01E-02	3.13E-02	pCi/m3	U
1206	600037010	10/3/2022	Lanthanum-140	-3.12E-03	3.96E-03	1.10E-02	pCi/m3	U
1206	606085010	10/31/2022	Lanthanum-140	6.70E-03	9.03E-03	3.36E-02	pCi/m3	U
1206	606539010	11/28/2022	Lanthanum-140	2.62E-03	3.16E-03	1.16E-02	pCi/m3	U
1206	609493010	12/26/2022	Lanthanum-140	-4.04E-03	2.58E-03	5.30E-03	pCi/m3	U
1206	571510008	1/24/2022	Lead-210	2.18E-02	5.33E-03	6.38E-03	pCi/m3	
1206	574141010	2/21/2022	Lead-210	7.30E-02	4.72E-02	1.60E-01	pCi/m3	U
1206	578170009	3/21/2022	Lead-210	-3.70E-02	5.83E-02	1.76E-01	pCi/m3	U
1206	582160010	4/18/2022	Lead-210	6.99E-02	4.70E-02	1.72E-01	pCi/m3	U
1206	585159010	5/16/2022	Lead-210	-5.12E-02	3.47E-02	9.12E-02	pCi/m3	U
1206	587304010	6/13/2022	Lead-210	2.17E-02	5.21E-03	6.66E-03	pCi/m3	
1206	592750010	7/11/2022	Lead-210	1.69E-02	4.77E-03	4.76E-03	pCi/m3	
1206	592751010	8/8/2022	Lead-210	1.07E-01	5.76E-02	2.11E-01	pCi/m3	U
1206	600035010	9/5/2022	Lead-210	3.07E-02	1.21E-02	1.95E-02	pCi/m3	
1206	600037010	10/3/2022	Lead-210	7.73E-02	5.57E-02	8.39E-02	pCi/m3	U
1206	606085010	10/31/2022	Lead-210	6.34E-02	3.60E-02	5.08E-02	pCi/m3	UI
1206	606539010	11/28/2022	Lead-210	4.57E-02	3.67E-02	5.64E-02	pCi/m3	U
1206	609493010	12/26/2022	Lead-210	-9.58E-03	5.25E-02	1.56E-01	pCi/m3	U
1206	571510008	1/24/2022	Lead-212	1.53E-03	5.53E-04	1.57E-03	pCi/m3	U
1206	574141010	2/21/2022	Lead-212	1.36E-03	7.29E-04	1.69E-03	pCi/m3	U
1206	578170009	3/21/2022	Lead-212	1.95E-04	7.05E-04	1.51E-03	pCi/m3	U
1206	582160010	4/18/2022	Lead-212	5.65E-04	6.21E-04	1.52E-03	pCi/m3	U
1206	585159010	5/16/2022	Lead-212	7.71E-04	8.89E-04	1.64E-03	pCi/m3	U
1206	587304010	6/13/2022	Lead-212	9.37E-04	5.90E-04	1.15E-03	pCi/m3	U
1206	592750010	7/11/2022	Lead-212	7.80E-04	4.53E-04	1.10E-03	pCi/m3	U
1206	592751010	8/8/2022	Lead-212	1.87E-04	7.03E-04	1.40E-03	pCi/m3	U
1206	600035010	9/5/2022	Lead-212	-1.43E-04	3.82E-04	1.18E-03	pCi/m3	U
1206	600037010	10/3/2022	Lead-212	2.37E-03	1.04E-03	1.85E-03	pCi/m3	UI
1206	606085010	10/31/2022	Lead-212	7.77E-04	5.52E-04	1.73E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	606539010	11/28/2022	Lead-212	1.20E-03	6.13E-04	8.94E-04	pCi/m3	UI
1206	609493010	12/26/2022	Lead-212	2.07E-04	5.56E-04	1.83E-03	pCi/m3	U
1206	571510008	1/24/2022	Lead-214	1.60E-03	5.73E-04	2.13E-03	pCi/m3	U
1206	574141010	2/21/2022	Lead-214	2.19E-03	5.44E-04	2.16E-03	pCi/m3	UI
1206	578170009	3/21/2022	Lead-214	1.15E-03	9.01E-04	2.00E-03	pCi/m3	U
1206	582160010	4/18/2022	Lead-214	2.25E-04	8.03E-04	1.86E-03	pCi/m3	U
1206	585159010	5/16/2022	Lead-214	1.38E-03	9.26E-04	1.93E-03	pCi/m3	U
1206	587304010	6/13/2022	Lead-214	3.19E-04	4.92E-04	1.72E-03	pCi/m3	U
1206	592750010	7/11/2022	Lead-214	3.29E-03	8.94E-04	2.53E-03	pCi/m3	UI
1206	592751010	8/8/2022	Lead-214	-3.00E-04	6.10E-04	1.78E-03	pCi/m3	U
1206	600035010	9/5/2022	Lead-214	-1.14E-03	4.55E-04	1.22E-03	pCi/m3	U
1206	600037010	10/3/2022	Lead-214	-4.95E-04	8.44E-04	2.78E-03	pCi/m3	U
1206	606085010	10/31/2022	Lead-214	1.56E-03	9.81E-04	1.23E-03	pCi/m3	UI
1206	606539010	11/28/2022	Lead-214	2.19E-03	7.97E-04	1.23E-03	pCi/m3	
1206	609493010	12/26/2022	Lead-214	4.17E-03	1.25E-03	2.59E-03	pCi/m3	UI
1206	571510008	1/24/2022	Manganese-54	4.23E-06	3.46E-04	1.18E-03	pCi/m3	U
1206	574141010	2/21/2022	Manganese-54	-3.87E-04	3.22E-04	8.06E-04	pCi/m3	U
1206	578170009	3/21/2022	Manganese-54	1.60E-04	2.34E-04	7.89E-04	pCi/m3	U
1206	582160010	4/18/2022	Manganese-54	2.64E-04	2.62E-04	9.32E-04	pCi/m3	U
1206	585159010	5/16/2022	Manganese-54	4.95E-04	2.78E-04	1.06E-03	pCi/m3	U
1206	587304010	6/13/2022	Manganese-54	2.98E-05	3.18E-04	1.09E-03	pCi/m3	U
1206	592750010	7/11/2022	Manganese-54	-4.59E-04	4.22E-04	1.03E-03	pCi/m3	U
1206	592751010	8/8/2022	Manganese-54	7.96E-04	3.64E-04	6.56E-04	pCi/m3	UI
1206	600035010	9/5/2022	Manganese-54	8.04E-05	2.11E-04	7.39E-04	pCi/m3	U
1206	600037010	10/3/2022	Manganese-54	3.45E-04	3.68E-04	1.34E-03	pCi/m3	U
1206	606085010	10/31/2022	Manganese-54	5.18E-04	2.99E-04	1.11E-03	pCi/m3	U
1206	606539010	11/28/2022	Manganese-54	-1.07E-04	2.39E-04	7.27E-04	pCi/m3	U
1206	609493010	12/26/2022	Manganese-54	3.13E-04	3.44E-04	1.23E-03	pCi/m3	U
1206	571510008	1/24/2022	Molybdenum-99	1.75E+01	3.95E+01	0.00E+00	pCi/m3	UI
1206	574141010	2/21/2022	Molybdenum-99	-3.04E+00	9.02E+00	0.00E+00	pCi/m3	U
1206	578170009	3/21/2022	Molybdenum-99	-2.41E+01	3.91E+01	0.00E+00	pCi/m3	U
1206	582160010	4/18/2022	Molybdenum-99	-3.10E+03	4.28E+03	0.00E+00	pCi/m3	U
1206	585159010	5/16/2022	Molybdenum-99	-7.18E+02	9.87E+02	0.00E+00	pCi/m3	U
1206	587304010	6/13/2022	Molybdenum-99	-4.17E+01	2.02E+02	0.00E+00	pCi/m3	U
1206	592750010	7/11/2022	Molybdenum-99	1.32E+05	1.84E+05	0.00E+00	pCi/m3	UI
1206	592751010	8/8/2022	Molybdenum-99	4.85E+01	1.07E+02	0.00E+00	pCi/m3	UI
1206	600035010	9/5/2022	Molybdenum-99	7.44E+04	3.09E+04	0.00E+00	pCi/m3	UI
1206	600037010	10/3/2022	Molybdenum-99	4.36E+01	3.22E+01	0.00E+00	pCi/m3	UI
1206	606085010	10/31/2022	Molybdenum-99	3.38E+04	4.22E+04	0.00E+00	pCi/m3	UI
1206	606539010	11/28/2022	Molybdenum-99	-2.40E+02	1.49E+02	0.00E+00	pCi/m3	U
1206	609493010	12/26/2022	Molybdenum-99	1.04E+02	1.59E+02	0.00E+00	pCi/m3	UI
1206	571510008	1/24/2022	Niobium-95	-7.98E-05	5.28E-04	1.66E-03	pCi/m3	U
1206	574141010	2/21/2022	Niobium-95	8.38E-04	3.79E-04	1.49E-03	pCi/m3	U
1206	578170009	3/21/2022	Niobium-95	1.03E-03	2.99E-04	1.08E-03	pCi/m3	U
1206	582160010	4/18/2022	Niobium-95	6.55E-04	3.47E-04	1.32E-03	pCi/m3	U
1206	585159010	5/16/2022	Niobium-95	2.30E-04	4.65E-04	1.56E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	587304010	6/13/2022	Niobium-95	9.87E-05	4.24E-04	1.38E-03	pCi/m3	U
1206	592750010	7/11/2022	Niobium-95	-4.96E-04	6.31E-04	1.81E-03	pCi/m3	U
1206	592751010	8/8/2022	Niobium-95	-8.54E-05	3.89E-04	1.22E-03	pCi/m3	U
1206	600035010	9/5/2022	Niobium-95	1.69E-04	3.46E-04	1.16E-03	pCi/m3	U
1206	600037010	10/3/2022	Niobium-95	-8.04E-05	4.27E-04	1.32E-03	pCi/m3	U
1206	606085010	10/31/2022	Niobium-95	-3.78E-04	4.24E-04	1.20E-03	pCi/m3	U
1206	606539010	11/28/2022	Niobium-95	6.83E-06	4.39E-04	1.28E-03	pCi/m3	U
1206	609493010	12/26/2022	Niobium-95	1.05E-04	5.70E-04	1.94E-03	pCi/m3	U
1206	571510008	1/24/2022	Potassium-40	1.12E-03	4.71E-03	9.15E-03	pCi/m3	U
1206	574141010	2/21/2022	Potassium-40	1.38E-03	5.21E-03	9.34E-03	pCi/m3	U
1206	578170009	3/21/2022	Potassium-40	1.71E-02	4.10E-03	6.00E-03	pCi/m3	
1206	582160010	4/18/2022	Potassium-40	4.93E-03	6.25E-03	9.47E-03	pCi/m3	U
1206	585159010	5/16/2022	Potassium-40	1.07E-02	4.54E-03	6.94E-03	pCi/m3	UI
1206	587304010	6/13/2022	Potassium-40	1.18E-02	5.41E-03	2.20E-02	pCi/m3	U
1206	592750010	7/11/2022	Potassium-40	5.26E-03	5.81E-03	2.27E-02	pCi/m3	U
1206	592751010	8/8/2022	Potassium-40	8.33E-03	5.44E-03	8.57E-03	pCi/m3	U
1206	600035010	9/5/2022	Potassium-40	3.35E-03	4.58E-03	1.63E-02	pCi/m3	U
1206	600037010	10/3/2022	Potassium-40	1.02E-02	7.16E-03	1.23E-02	pCi/m3	U
1206	606085010	10/31/2022	Potassium-40	6.91E-03	5.18E-03	3.73E-03	pCi/m3	UI
1206	606539010	11/28/2022	Potassium-40	7.51E-03	6.40E-03	7.15E-03	pCi/m3	UI
1206	609493010	12/26/2022	Potassium-40	1.63E-02	6.99E-03	1.46E-02	pCi/m3	UI
1206	571510008	1/24/2022	Radium-226	2.56E-03	9.28E-04	1.43E-03	pCi/m3	UI
1206	574141010	2/21/2022	Radium-226	1.83E-03	7.31E-04	2.64E-03	pCi/m3	U
1206	578170009	3/21/2022	Radium-226	2.60E-03	9.81E-04	1.51E-03	pCi/m3	
1206	582160010	4/18/2022	Radium-226	1.67E-03	1.26E-03	2.44E-03	pCi/m3	U
1206	585159010	5/16/2022	Radium-226	-8.19E-04	5.84E-04	1.76E-03	pCi/m3	U
1206	587304010	6/13/2022	Radium-226	7.87E-04	6.32E-04	2.24E-03	pCi/m3	U
1206	592750010	7/11/2022	Radium-226	1.05E-03	1.04E-03	1.74E-03	pCi/m3	U
1206	592751010	8/8/2022	Radium-226	9.03E-04	1.21E-03	2.10E-03	pCi/m3	U
1206	600035010	9/5/2022	Radium-226	-1.14E-03	4.55E-04	1.22E-03	pCi/m3	U
1206	600037010	10/3/2022	Radium-226	-4.95E-04	8.44E-04	2.78E-03	pCi/m3	U
1206	606085010	10/31/2022	Radium-226	1.56E-03	9.81E-04	1.23E-03	pCi/m3	UI
1206	606539010	11/28/2022	Radium-226	2.19E-03	7.97E-04	1.23E-03	pCi/m3	
1206	609493010	12/26/2022	Radium-226	4.17E-03	1.25E-03	2.59E-03	pCi/m3	UI
1206	571510008	1/24/2022	Radium-228	1.28E-03	1.30E-03	4.73E-03	pCi/m3	U
1206	574141010	2/21/2022	Radium-228	5.05E-03	1.71E-03	4.59E-03	pCi/m3	UI
1206	578170009	3/21/2022	Radium-228	3.56E-03	1.80E-03	4.11E-03	pCi/m3	U
1206	582160010	4/18/2022	Radium-228	3.18E-04	1.25E-03	4.26E-03	pCi/m3	U
1206	585159010	5/16/2022	Radium-228	3.86E-04	1.34E-03	4.34E-03	pCi/m3	U
1206	587304010	6/13/2022	Radium-228	4.00E-03	1.45E-03	5.84E-03	pCi/m3	U
1206	592750010	7/11/2022	Radium-228	1.13E-03	1.48E-03	5.39E-03	pCi/m3	U
1206	592751010	8/8/2022	Radium-228	1.47E-03	1.44E-03	4.54E-03	pCi/m3	U
1206	600035010	9/5/2022	Radium-228	1.76E-03	1.30E-03	4.25E-03	pCi/m3	U
1206	600037010	10/3/2022	Radium-228	3.48E-04	1.71E-03	5.53E-03	pCi/m3	U
1206	606085010	10/31/2022	Radium-228	-9.78E-04	1.16E-03	3.72E-03	pCi/m3	U
1206	606539010	11/28/2022	Radium-228	1.85E-04	1.85E-03	3.93E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	609493010	12/26/2022	Radium-228	4.24E-03	1.91E-03	5.50E-03	pCi/m3	U
1206	571510008	1/24/2022	Ruthenium-103	-5.17E-04	4.45E-04	1.32E-03	pCi/m3	U
1206	574141010	2/21/2022	Ruthenium-103	1.00E-04	3.71E-04	1.22E-03	pCi/m3	U
1206	578170009	3/21/2022	Ruthenium-103	-1.39E-04	3.88E-04	1.28E-03	pCi/m3	U
1206	582160010	4/18/2022	Ruthenium-103	-3.85E-04	5.36E-04	1.67E-03	pCi/m3	U
1206	585159010	5/16/2022	Ruthenium-103	1.19E-04	5.42E-04	1.80E-03	pCi/m3	U
1206	587304010	6/13/2022	Ruthenium-103	-3.49E-04	4.85E-04	1.29E-03	pCi/m3	U
1206	592750010	7/11/2022	Ruthenium-103	-1.39E-04	7.13E-04	2.31E-03	pCi/m3	U
1206	592751010	8/8/2022	Ruthenium-103	1.17E-04	3.96E-04	1.35E-03	pCi/m3	U
1206	600035010	9/5/2022	Ruthenium-103	6.31E-05	6.29E-04	2.07E-03	pCi/m3	U
1206	600037010	10/3/2022	Ruthenium-103	-6.19E-04	5.04E-04	1.44E-03	pCi/m3	U
1206	606085010	10/31/2022	Ruthenium-103	2.81E-04	5.07E-04	1.76E-03	pCi/m3	U
1206	606539010	11/28/2022	Ruthenium-103	-2.06E-04	3.58E-04	1.13E-03	pCi/m3	U
1206	609493010	12/26/2022	Ruthenium-103	-9.10E-04	5.44E-04	1.53E-03	pCi/m3	U
1206	571510008	1/24/2022	Ruthenium-106	1.92E-03	2.05E-03	7.32E-03	pCi/m3	U
1206	574141010	2/21/2022	Ruthenium-106	-2.08E-04	2.73E-03	8.63E-03	pCi/m3	U
1206	578170009	3/21/2022	Ruthenium-106	1.79E-03	2.08E-03	7.21E-03	pCi/m3	U
1206	582160010	4/18/2022	Ruthenium-106	-4.69E-03	2.11E-03	5.13E-03	pCi/m3	U
1206	585159010	5/16/2022	Ruthenium-106	-1.45E-03	2.23E-03	6.71E-03	pCi/m3	U
1206	587304010	6/13/2022	Ruthenium-106	2.03E-03	3.03E-03	9.83E-03	pCi/m3	U
1206	592750010	7/11/2022	Ruthenium-106	-3.80E-03	2.76E-03	7.58E-03	pCi/m3	U
1206	592751010	8/8/2022	Ruthenium-106	-1.11E-03	2.27E-03	7.08E-03	pCi/m3	U
1206	600035010	9/5/2022	Ruthenium-106	-3.54E-03	2.30E-03	6.45E-03	pCi/m3	U
1206	600037010	10/3/2022	Ruthenium-106	6.48E-05	2.73E-03	8.79E-03	pCi/m3	U
1206	606085010	10/31/2022	Ruthenium-106	1.98E-03	2.00E-03	7.13E-03	pCi/m3	U
1206	606539010	11/28/2022	Ruthenium-106	1.70E-03	2.08E-03	7.28E-03	pCi/m3	U
1206	609493010	12/26/2022	Ruthenium-106	1.39E-03	2.41E-03	8.11E-03	pCi/m3	U
1206	571510008	1/24/2022	Selenium-75	-3.04E-04	2.96E-04	9.53E-04	pCi/m3	U
1206	574141010	2/21/2022	Selenium-75	3.77E-04	3.28E-04	1.15E-03	pCi/m3	U
1206	578170009	3/21/2022	Selenium-75	2.18E-04	2.92E-04	9.97E-04	pCi/m3	U
1206	582160010	4/18/2022	Selenium-75	4.29E-04	3.23E-04	1.11E-03	pCi/m3	U
1206	585159010	5/16/2022	Selenium-75	-2.98E-04	3.53E-04	1.13E-03	pCi/m3	U
1206	587304010	6/13/2022	Selenium-75	2.72E-04	2.88E-04	1.04E-03	pCi/m3	U
1206	592750010	7/11/2022	Selenium-75	-5.01E-04	4.24E-04	1.12E-03	pCi/m3	U
1206	592751010	8/8/2022	Selenium-75	9.70E-06	3.47E-04	1.09E-03	pCi/m3	U
1206	600035010	9/5/2022	Selenium-75	4.83E-04	3.15E-04	1.14E-03	pCi/m3	U
1206	600037010	10/3/2022	Selenium-75	-8.24E-05	4.50E-04	1.35E-03	pCi/m3	U
1206	606085010	10/31/2022	Selenium-75	-2.18E-04	3.00E-04	9.83E-04	pCi/m3	U
1206	606539010	11/28/2022	Selenium-75	1.90E-04	3.12E-04	1.01E-03	pCi/m3	U
1206	609493010	12/26/2022	Selenium-75	-7.32E-04	3.66E-04	1.10E-03	pCi/m3	U
1206	571510008	1/24/2022	Silver-108m	1.22E-04	1.73E-04	6.11E-04	pCi/m3	U
1206	574141010	2/21/2022	Silver-108m	2.40E-05	2.03E-04	6.63E-04	pCi/m3	U
1206	578170009	3/21/2022	Silver-108m	9.76E-05	1.70E-04	5.94E-04	pCi/m3	U
1206	582160010	4/18/2022	Silver-108m	-6.03E-05	1.38E-04	4.44E-04	pCi/m3	U
1206	585159010	5/16/2022	Silver-108m	1.28E-04	2.18E-04	7.46E-04	pCi/m3	U
1206	587304010	6/13/2022	Silver-108m	-4.22E-05	2.06E-04	6.71E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	592750010	7/11/2022	Silver-108m	-2.77E-04	2.11E-04	6.16E-04	pCi/m3	U
1206	592751010	8/8/2022	Silver-108m	-8.46E-06	1.79E-04	5.97E-04	pCi/m3	U
1206	600035010	9/5/2022	Silver-108m	2.57E-04	1.63E-04	5.94E-04	pCi/m3	U
1206	600037010	10/3/2022	Silver-108m	1.24E-04	2.69E-04	9.18E-04	pCi/m3	U
1206	606085010	10/31/2022	Silver-108m	-1.43E-04	1.84E-04	5.43E-04	pCi/m3	U
1206	606539010	11/28/2022	Silver-108m	-5.30E-05	1.43E-04	4.65E-04	pCi/m3	U
1206	609493010	12/26/2022	Silver-108m	3.43E-04	2.37E-04	8.46E-04	pCi/m3	U
1206	571510008	1/24/2022	Silver-110m	-2.56E-04	3.78E-04	1.23E-03	pCi/m3	U
1206	574141010	2/21/2022	Silver-110m	1.14E-05	4.13E-04	1.39E-03	pCi/m3	U
1206	578170009	3/21/2022	Silver-110m	1.00E-04	3.68E-04	1.26E-03	pCi/m3	U
1206	582160010	4/18/2022	Silver-110m	-5.22E-04	4.38E-04	1.19E-03	pCi/m3	U
1206	585159010	5/16/2022	Silver-110m	2.69E-04	3.94E-04	1.35E-03	pCi/m3	U
1206	587304010	6/13/2022	Silver-110m	2.12E-04	4.65E-04	1.64E-03	pCi/m3	U
1206	592750010	7/11/2022	Silver-110m	-1.14E-03	4.45E-04	9.64E-04	pCi/m3	U
1206	592751010	8/8/2022	Silver-110m	-6.84E-05	3.54E-04	1.09E-03	pCi/m3	U
1206	600035010	9/5/2022	Silver-110m	-3.33E-04	3.37E-04	1.03E-03	pCi/m3	U
1206	600037010	10/3/2022	Silver-110m	-8.11E-04	4.06E-04	9.16E-04	pCi/m3	U
1206	606085010	10/31/2022	Silver-110m	3.60E-04	7.15E-04	1.24E-03	pCi/m3	U
1206	606539010	11/28/2022	Silver-110m	2.17E-04	3.14E-04	1.08E-03	pCi/m3	U
1206	609493010	12/26/2022	Silver-110m	1.10E-04	3.99E-04	1.37E-03	pCi/m3	U
1206	571510008	1/24/2022	Tellurium-132	-2.78E-01	6.67E-01	0.00E+00	pCi/m3	U
1206	574141010	2/21/2022	Tellurium-132	4.23E-02	2.35E-01	0.00E+00	pCi/m3	UI
1206	578170009	3/21/2022	Tellurium-132	6.64E-01	7.82E-01	0.00E+00	pCi/m3	UI
1206	582160010	4/18/2022	Tellurium-132	8.09E+01	5.30E+01	0.00E+00	pCi/m3	UI
1206	585159010	5/16/2022	Tellurium-132	1.20E+01	1.49E+01	0.00E+00	pCi/m3	UI
1206	587304010	6/13/2022	Tellurium-132	6.06E+00	2.61E+00	0.00E+00	pCi/m3	UI
1206	592750010	7/11/2022	Tellurium-132	2.99E+02	8.46E+02	0.00E+00	pCi/m3	UI
1206	592751010	8/8/2022	Tellurium-132	-2.52E-01	2.46E+00	0.00E+00	pCi/m3	U
1206	600035010	9/5/2022	Tellurium-132	-8.28E+01	2.23E+02	0.00E+00	pCi/m3	U
1206	600037010	10/3/2022	Tellurium-132	4.95E-01	6.90E-01	0.00E+00	pCi/m3	UI
1206	606085010	10/31/2022	Tellurium-132	-2.18E+01	2.55E+02	0.00E+00	pCi/m3	U
1206	606539010	11/28/2022	Tellurium-132	1.05E+00	2.35E+00	0.00E+00	pCi/m3	UI
1206	609493010	12/26/2022	Tellurium-132	-2.26E+00	2.76E+00	0.00E+00	pCi/m3	U
1206	571510008	1/24/2022	Thallium-208	2.48E-04	3.82E-04	7.75E-04	pCi/m3	U
1206	574141010	2/21/2022	Thallium-208	2.32E-04	3.22E-04	1.04E-03	pCi/m3	U
1206	578170009	3/21/2022	Thallium-208	6.55E-04	4.84E-04	6.36E-04	pCi/m3	UI
1206	582160010	4/18/2022	Thallium-208	2.58E-04	5.21E-04	6.55E-04	pCi/m3	U
1206	585159010	5/16/2022	Thallium-208	7.52E-04	3.18E-04	6.04E-04	pCi/m3	UI
1206	587304010	6/13/2022	Thallium-208	-3.37E-04	3.40E-04	1.01E-03	pCi/m3	U
1206	592750010	7/11/2022	Thallium-208	-4.09E-04	3.34E-04	9.73E-04	pCi/m3	U
1206	592751010	8/8/2022	Thallium-208	2.47E-04	4.26E-04	7.73E-04	pCi/m3	U
1206	600035010	9/5/2022	Thallium-208	-3.48E-04	2.85E-04	7.77E-04	pCi/m3	U
1206	600037010	10/3/2022	Thallium-208	-9.37E-04	4.11E-04	1.10E-03	pCi/m3	U
1206	606085010	10/31/2022	Thallium-208	1.37E-04	3.48E-04	7.53E-04	pCi/m3	U
1206	606539010	11/28/2022	Thallium-208	-2.87E-04	2.89E-04	9.55E-04	pCi/m3	U
1206	609493010	12/26/2022	Thallium-208	1.55E-04	4.07E-04	1.29E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	571510008	1/24/2022	Thorium-228	1.53E-03	5.53E-04	1.57E-03	pCi/m3	U
1206	574141010	2/21/2022	Thorium-228	1.36E-03	7.29E-04	1.69E-03	pCi/m3	U
1206	578170009	3/21/2022	Thorium-228	1.95E-04	7.05E-04	1.51E-03	pCi/m3	U
1206	582160010	4/18/2022	Thorium-228	5.65E-04	6.21E-04	1.52E-03	pCi/m3	U
1206	585159010	5/16/2022	Thorium-228	7.71E-04	8.89E-04	1.64E-03	pCi/m3	U
1206	587304010	6/13/2022	Thorium-228	9.37E-04	5.90E-04	1.15E-03	pCi/m3	U
1206	592750010	7/11/2022	Thorium-228	7.80E-04	4.53E-04	1.10E-03	pCi/m3	U
1206	592751010	8/8/2022	Thorium-228	1.87E-04	7.03E-04	1.40E-03	pCi/m3	U
1206	600035010	9/5/2022	Thorium-228	-1.43E-04	3.82E-04	1.18E-03	pCi/m3	U
1206	600037010	10/3/2022	Thorium-228	2.37E-03	1.04E-03	1.85E-03	pCi/m3	UI
1206	606085010	10/31/2022	Thorium-228	7.77E-04	5.52E-04	1.73E-03	pCi/m3	U
1206	606539010	11/28/2022	Thorium-228	1.20E-03	6.13E-04	8.94E-04	pCi/m3	UI
1206	609493010	12/26/2022	Thorium-228	2.07E-04	5.56E-04	1.83E-03	pCi/m3	U
1206	571510008	1/24/2022	Thorium-230	2.56E-03	9.27E-04	1.43E-03	pCi/m3	UI
1206	574141010	2/21/2022	Thorium-230	1.83E-03	7.31E-04	2.64E-03	pCi/m3	U
1206	578170009	3/21/2022	Thorium-230	2.60E-03	9.81E-04	1.51E-03	pCi/m3	
1206	582160010	4/18/2022	Thorium-230	1.67E-03	1.26E-03	2.44E-03	pCi/m3	U
1206	585159010	5/16/2022	Thorium-230	-8.19E-04	5.84E-04	1.76E-03	pCi/m3	U
1206	587304010	6/13/2022	Thorium-230	7.87E-04	6.32E-04	2.24E-03	pCi/m3	U
1206	592750010	7/11/2022	Thorium-230	1.05E-03	1.04E-03	1.74E-03	pCi/m3	U
1206	592751010	8/8/2022	Thorium-230	9.03E-04	1.21E-03	2.10E-03	pCi/m3	U
1206	600035010	9/5/2022	Thorium-230	-1.14E-03	4.55E-04	1.22E-03	pCi/m3	U
1206	600037010	10/3/2022	Thorium-230	-4.95E-04	8.44E-04	2.78E-03	pCi/m3	U
1206	606085010	10/31/2022	Thorium-230	1.56E-03	9.81E-04	1.23E-03	pCi/m3	UI
1206	606539010	11/28/2022	Thorium-230	2.19E-03	7.97E-04	1.23E-03	pCi/m3	
1206	609493010	12/26/2022	Thorium-230	4.17E-03	1.25E-03	2.59E-03	pCi/m3	UI
1206	571510008	1/24/2022	Thorium-232	1.28E-03	1.30E-03	4.73E-03	pCi/m3	U
1206	574141010	2/21/2022	Thorium-232	5.05E-03	1.71E-03	4.59E-03	pCi/m3	UI
1206	578170009	3/21/2022	Thorium-232	3.56E-03	1.80E-03	4.11E-03	pCi/m3	U
1206	582160010	4/18/2022	Thorium-232	3.18E-04	1.25E-03	4.26E-03	pCi/m3	U
1206	585159010	5/16/2022	Thorium-232	3.86E-04	1.34E-03	4.34E-03	pCi/m3	U
1206	587304010	6/13/2022	Thorium-232	4.00E-03	1.45E-03	5.84E-03	pCi/m3	U
1206	592750010	7/11/2022	Thorium-232	1.13E-03	1.48E-03	5.39E-03	pCi/m3	U
1206	592751010	8/8/2022	Thorium-232	1.47E-03	1.44E-03	4.54E-03	pCi/m3	U
1206	600035010	9/5/2022	Thorium-232	1.76E-03	1.30E-03	4.25E-03	pCi/m3	U
1206	600037010	10/3/2022	Thorium-232	3.48E-04	1.71E-03	5.53E-03	pCi/m3	U
1206	606085010	10/31/2022	Thorium-232	-9.78E-04	1.16E-03	3.72E-03	pCi/m3	U
1206	606539010	11/28/2022	Thorium-232	1.85E-04	1.85E-03	3.93E-03	pCi/m3	U
1206	609493010	12/26/2022	Thorium-232	4.24E-03	1.91E-03	5.50E-03	pCi/m3	U
1206	571510008	1/24/2022	Thorium-234	-6.14E-03	4.01E-03	1.50E-02	pCi/m3	U
1206	574141010	2/21/2022	Thorium-234	-1.92E-02	1.32E-02	4.20E-02	pCi/m3	U
1206	578170009	3/21/2022	Thorium-234	1.76E-02	1.87E-02	2.93E-02	pCi/m3	U
1206	582160010	4/18/2022	Thorium-234	9.80E-03	1.73E-02	3.32E-02	pCi/m3	U
1206	585159010	5/16/2022	Thorium-234	-7.43E-03	1.04E-02	3.18E-02	pCi/m3	U
1206	587304010	6/13/2022	Thorium-234	1.13E-02	4.65E-03	1.61E-02	pCi/m3	U
1206	592750010	7/11/2022	Thorium-234	-1.16E-03	2.72E-03	9.74E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	592751010	8/8/2022	Thorium-234	-1.52E-02	1.07E-02	3.18E-02	pCi/m3	U
1206	600035010	9/5/2022	Thorium-234	6.10E-03	8.34E-03	1.07E-02	pCi/m3	U
1206	600037010	10/3/2022	Thorium-234	3.92E-03	1.23E-02	3.08E-02	pCi/m3	U
1206	606085010	10/31/2022	Thorium-234	-1.88E-03	6.62E-03	2.09E-02	pCi/m3	U
1206	606539010	11/28/2022	Thorium-234	3.23E-03	9.43E-03	1.79E-02	pCi/m3	U
1206	609493010	12/26/2022	Thorium-234	-2.57E-03	1.40E-02	4.86E-02	pCi/m3	U
1206	571510008	1/24/2022	Uranium-234	2.56E-03	9.27E-04	1.43E-03	pCi/m3	UI
1206	574141010	2/21/2022	Uranium-234	1.83E-03	7.31E-04	2.64E-03	pCi/m3	U
1206	578170009	3/21/2022	Uranium-234	2.60E-03	9.81E-04	1.51E-03	pCi/m3	U
1206	582160010	4/18/2022	Uranium-234	1.67E-03	1.26E-03	2.44E-03	pCi/m3	U
1206	585159010	5/16/2022	Uranium-234	-8.19E-04	5.84E-04	1.76E-03	pCi/m3	U
1206	587304010	6/13/2022	Uranium-234	7.87E-04	6.32E-04	2.24E-03	pCi/m3	U
1206	592750010	7/11/2022	Uranium-234	1.05E-03	1.04E-03	1.74E-03	pCi/m3	U
1206	592751010	8/8/2022	Uranium-234	9.03E-04	1.21E-03	2.10E-03	pCi/m3	U
1206	600035010	9/5/2022	Uranium-234	-1.14E-03	4.55E-04	1.22E-03	pCi/m3	U
1206	600037010	10/3/2022	Uranium-234	-4.95E-04	8.44E-04	2.78E-03	pCi/m3	U
1206	606085010	10/31/2022	Uranium-234	1.56E-03	9.81E-04	1.23E-03	pCi/m3	UI
1206	606539010	11/28/2022	Uranium-234	2.19E-03	7.97E-04	1.23E-03	pCi/m3	U
1206	609493010	12/26/2022	Uranium-234	4.17E-03	1.25E-03	2.59E-03	pCi/m3	UI
1206	571510008	1/24/2022	Zinc-65	1.09E-03	6.87E-04	2.69E-03	pCi/m3	U
1206	574141010	2/21/2022	Zinc-65	4.54E-05	6.38E-04	2.13E-03	pCi/m3	U
1206	578170009	3/21/2022	Zinc-65	7.87E-04	4.78E-04	1.69E-03	pCi/m3	U
1206	582160010	4/18/2022	Zinc-65	1.77E-05	6.73E-04	2.26E-03	pCi/m3	U
1206	585159010	5/16/2022	Zinc-65	-6.32E-04	9.02E-04	2.42E-03	pCi/m3	U
1206	587304010	6/13/2022	Zinc-65	6.95E-04	8.57E-04	3.07E-03	pCi/m3	U
1206	592750010	7/11/2022	Zinc-65	-2.25E-03	8.91E-04	1.90E-03	pCi/m3	U
1206	592751010	8/8/2022	Zinc-65	-1.07E-03	6.40E-04	1.70E-03	pCi/m3	U
1206	600035010	9/5/2022	Zinc-65	-6.84E-04	5.49E-04	1.55E-03	pCi/m3	U
1206	600037010	10/3/2022	Zinc-65	-5.89E-05	8.33E-04	2.74E-03	pCi/m3	U
1206	606085010	10/31/2022	Zinc-65	-1.30E-04	8.27E-04	2.62E-03	pCi/m3	U
1206	606539010	11/28/2022	Zinc-65	6.27E-04	5.30E-04	2.00E-03	pCi/m3	U
1206	609493010	12/26/2022	Zinc-65	-1.29E-03	8.18E-04	2.23E-03	pCi/m3	U
1206	571510008	1/24/2022	Zirconium-95	2.15E-04	6.28E-04	2.09E-03	pCi/m3	U
1206	574141010	2/21/2022	Zirconium-95	1.13E-03	7.49E-04	2.40E-03	pCi/m3	U
1206	578170009	3/21/2022	Zirconium-95	1.13E-04	6.27E-04	1.81E-03	pCi/m3	U
1206	582160010	4/18/2022	Zirconium-95	-4.85E-04	6.54E-04	1.88E-03	pCi/m3	U
1206	585159010	5/16/2022	Zirconium-95	-4.53E-04	6.03E-04	1.71E-03	pCi/m3	U
1206	587304010	6/13/2022	Zirconium-95	3.41E-04	8.59E-04	2.84E-03	pCi/m3	U
1206	592750010	7/11/2022	Zirconium-95	-2.44E-03	1.15E-03	2.51E-03	pCi/m3	U
1206	592751010	8/8/2022	Zirconium-95	3.30E-04	7.46E-04	2.50E-03	pCi/m3	U
1206	600035010	9/5/2022	Zirconium-95	7.91E-04	7.94E-04	2.75E-03	pCi/m3	U
1206	600037010	10/3/2022	Zirconium-95	-1.12E-03	9.25E-04	2.48E-03	pCi/m3	U
1206	606085010	10/31/2022	Zirconium-95	-2.21E-04	8.53E-04	2.65E-03	pCi/m3	U
1206	606539010	11/28/2022	Zirconium-95	3.56E-04	4.68E-04	1.66E-03	pCi/m3	U
1206	609493010	12/26/2022	Zirconium-95	-8.81E-04	7.39E-04	2.23E-03	pCi/m3	U
1207	571510009	1/24/2022	Actinium-228	2.27E-04	1.42E-03	4.76E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1207	574141011	2/21/2022	Actinium-228	3.52E-04	1.06E-03	3.70E-03	pCi/m3	U
1207	578170010	3/21/2022	Actinium-228	2.86E-03	1.24E-03	5.13E-03	pCi/m3	U
1207	582160011	4/18/2022	Actinium-228	1.21E-03	1.20E-03	2.28E-03	pCi/m3	U
1207	585159011	5/16/2022	Actinium-228	-1.47E-04	1.42E-03	4.65E-03	pCi/m3	U
1207	587304011	6/13/2022	Actinium-228	3.83E-03	1.52E-03	4.31E-03	pCi/m3	U
1207	592750011	7/11/2022	Actinium-228	1.07E-03	1.41E-03	4.07E-03	pCi/m3	U
1207	592751011	8/8/2022	Actinium-228	-1.54E-03	1.34E-03	4.13E-03	pCi/m3	U
1207	600035011	9/5/2022	Actinium-228	-1.51E-03	1.37E-03	4.36E-03	pCi/m3	U
1207	600037011	10/3/2022	Actinium-228	-6.64E-04	1.43E-03	4.61E-03	pCi/m3	U
1207	606085011	10/31/2022	Actinium-228	3.32E-04	1.24E-03	4.09E-03	pCi/m3	U
1207	606539011	11/28/2022	Actinium-228	6.77E-03	1.58E-03	6.22E-03	pCi/m3	UI
1207	609493011	12/26/2022	Actinium-228	3.62E-03	1.63E-03	4.62E-03	pCi/m3	U
1207	571510009	1/24/2022	Americium-241	-1.33E-03	9.36E-04	3.02E-03	pCi/m3	U
1207	574141011	2/21/2022	Americium-241	-1.06E-06	8.97E-04	2.83E-03	pCi/m3	U
1207	578170010	3/21/2022	Americium-241	-1.14E-04	1.83E-04	5.71E-04	pCi/m3	U
1207	582160011	4/18/2022	Americium-241	8.26E-04	1.15E-03	4.05E-03	pCi/m3	U
1207	585159011	5/16/2022	Americium-241	-3.60E-03	1.48E-03	3.58E-03	pCi/m3	U
1207	587304011	6/13/2022	Americium-241	2.33E-04	6.40E-04	2.02E-03	pCi/m3	U
1207	592750011	7/11/2022	Americium-241	-1.50E-03	1.04E-03	2.96E-03	pCi/m3	U
1207	592751011	8/8/2022	Americium-241	-1.45E-03	1.16E-03	3.41E-03	pCi/m3	U
1207	600035011	9/5/2022	Americium-241	-8.51E-04	7.38E-04	2.08E-03	pCi/m3	U
1207	600037011	10/3/2022	Americium-241	4.57E-06	1.89E-04	6.06E-04	pCi/m3	U
1207	606085011	10/31/2022	Americium-241	-9.21E-04	5.13E-04	1.58E-03	pCi/m3	U
1207	606539011	11/28/2022	Americium-241	7.19E-06	1.64E-04	5.39E-04	pCi/m3	U
1207	609493011	12/26/2022	Americium-241	-4.02E-05	1.19E-03	3.67E-03	pCi/m3	U
1207	571510009	1/24/2022	Antimony-124	-2.89E-03	1.11E-03	2.07E-03	pCi/m3	U
1207	574141011	2/21/2022	Antimony-124	8.03E-04	9.70E-04	3.56E-03	pCi/m3	U
1207	578170010	3/21/2022	Antimony-124	-4.50E-04	8.39E-04	2.34E-03	pCi/m3	U
1207	582160011	4/18/2022	Antimony-124	1.57E-04	1.09E-03	3.75E-03	pCi/m3	U
1207	585159011	5/16/2022	Antimony-124	-7.28E-04	8.86E-04	2.38E-03	pCi/m3	U
1207	587304011	6/13/2022	Antimony-124	-9.06E-04	9.62E-04	2.78E-03	pCi/m3	U
1207	592750011	7/11/2022	Antimony-124	-2.34E-03	1.83E-03	5.07E-03	pCi/m3	U
1207	592751011	8/8/2022	Antimony-124	1.75E-03	9.35E-04	4.02E-03	pCi/m3	U
1207	600035011	9/5/2022	Antimony-124	-4.70E-05	1.29E-03	4.22E-03	pCi/m3	U
1207	600037011	10/3/2022	Antimony-124	3.61E-04	8.94E-04	3.25E-03	pCi/m3	U
1207	606085011	10/31/2022	Antimony-124	9.03E-04	1.37E-03	4.99E-03	pCi/m3	U
1207	606539011	11/28/2022	Antimony-124	-1.01E-03	1.31E-03	4.13E-03	pCi/m3	U
1207	609493011	12/26/2022	Antimony-124	-1.37E-03	1.02E-03	2.52E-03	pCi/m3	U
1207	571510009	1/24/2022	Antimony-125	4.56E-04	5.44E-04	1.85E-03	pCi/m3	U
1207	574141011	2/21/2022	Antimony-125	1.22E-04	4.24E-04	1.48E-03	pCi/m3	U
1207	578170010	3/21/2022	Antimony-125	-9.90E-05	7.05E-04	2.31E-03	pCi/m3	U
1207	582160011	4/18/2022	Antimony-125	-1.15E-04	6.49E-04	2.13E-03	pCi/m3	U
1207	585159011	5/16/2022	Antimony-125	3.20E-04	7.48E-04	2.34E-03	pCi/m3	U
1207	587304011	6/13/2022	Antimony-125	-1.49E-04	4.85E-04	1.56E-03	pCi/m3	U
1207	592750011	7/11/2022	Antimony-125	-6.51E-04	5.36E-04	1.54E-03	pCi/m3	U
1207	592751011	8/8/2022	Antimony-125	8.48E-04	6.15E-04	2.22E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1207	600035011	9/5/2022	Antimony-125	-8.47E-04	6.12E-04	1.88E-03	pCi/m3	U
1207	600037011	10/3/2022	Antimony-125	5.90E-05	6.59E-04	2.21E-03	pCi/m3	U
1207	606085011	10/31/2022	Antimony-125	-1.29E-04	5.67E-04	1.67E-03	pCi/m3	U
1207	606539011	11/28/2022	Antimony-125	-7.92E-04	6.13E-04	1.85E-03	pCi/m3	U
1207	609493011	12/26/2022	Antimony-125	5.90E-04	6.49E-04	2.30E-03	pCi/m3	U
1207	571510009	1/24/2022	Barium-140	2.32E-03	5.69E-03	1.96E-02	pCi/m3	U
1207	574141011	2/21/2022	Barium-140	1.47E-03	3.53E-03	1.23E-02	pCi/m3	U
1207	578170010	3/21/2022	Barium-140	-7.95E-03	8.51E-03	2.52E-02	pCi/m3	U
1207	582160011	4/18/2022	Barium-140	2.95E-02	1.64E-02	6.27E-02	pCi/m3	U
1207	585159011	5/16/2022	Barium-140	1.90E-02	1.38E-02	5.11E-02	pCi/m3	U
1207	587304011	6/13/2022	Barium-140	-9.35E-03	7.89E-03	2.29E-02	pCi/m3	U
1207	592750011	7/11/2022	Barium-140	1.21E-02	3.70E-02	1.17E-01	pCi/m3	U
1207	592751011	8/8/2022	Barium-140	4.13E-03	9.05E-03	3.06E-02	pCi/m3	U
1207	600035011	9/5/2022	Barium-140	-7.09E-03	2.80E-02	9.10E-02	pCi/m3	U
1207	600037011	10/3/2022	Barium-140	7.14E-03	5.72E-03	1.99E-02	pCi/m3	U
1207	606085011	10/31/2022	Barium-140	2.84E-03	3.28E-02	9.69E-02	pCi/m3	U
1207	606539011	11/28/2022	Barium-140	-4.61E-03	1.16E-02	3.26E-02	pCi/m3	U
1207	609493011	12/26/2022	Barium-140	4.03E-04	7.56E-03	2.54E-02	pCi/m3	U
1207	571510009	1/24/2022	Beryllium-7	1.05E-01	8.50E-03	1.03E-02	pCi/m3	U
1207	574141011	2/21/2022	Beryllium-7	1.28E-01	8.40E-03	8.37E-03	pCi/m3	U
1207	578170010	3/21/2022	Beryllium-7	1.22E-01	1.16E-02	1.07E-02	pCi/m3	U
1207	582160011	4/18/2022	Beryllium-7	1.31E-01	1.16E-02	1.16E-02	pCi/m3	U
1207	585159011	5/16/2022	Beryllium-7	1.23E-01	1.13E-02	1.27E-02	pCi/m3	U
1207	587304011	6/13/2022	Beryllium-7	1.06E-01	8.71E-03	1.05E-02	pCi/m3	U
1207	592750011	7/11/2022	Beryllium-7	1.21E-01	1.15E-02	9.71E-03	pCi/m3	U
1207	592751011	8/8/2022	Beryllium-7	7.10E-02	9.12E-03	1.17E-02	pCi/m3	U
1207	600035011	9/5/2022	Beryllium-7	9.08E-02	1.07E-02	1.27E-02	pCi/m3	U
1207	600037011	10/3/2022	Beryllium-7	1.05E-01	1.02E-02	1.05E-02	pCi/m3	U
1207	606085011	10/31/2022	Beryllium-7	1.16E-01	1.05E-02	1.29E-02	pCi/m3	U
1207	606539011	11/28/2022	Beryllium-7	7.22E-02	1.12E-02	1.01E-02	pCi/m3	U
1207	609493011	12/26/2022	Beryllium-7	7.81E-02	7.92E-03	1.06E-02	pCi/m3	U
1207	566163029	1/3/2022	BETA	1.84E-02	1.30E-03	1.66E-03	pCi/m3	U
1207	566828021	1/10/2022	BETA	4.62E-02	2.02E-03	1.64E-03	pCi/m3	U
1207	567642025	1/18/2022	BETA	5.21E-02	1.97E-03	1.36E-03	pCi/m3	U
1207	568219025	1/24/2022	BETA	4.76E-02	2.27E-03	1.98E-03	pCi/m3	U
1207	568939023	1/31/2022	BETA	5.00E-02	2.14E-03	1.69E-03	pCi/m3	U
1207	569538031	2/7/2022	BETA	3.75E-02	1.79E-03	1.45E-03	pCi/m3	U
1207	570263025	2/14/2022	BETA	4.57E-02	1.99E-03	1.49E-03	pCi/m3	U
1207	571003031	2/21/2022	BETA	4.00E-02	1.86E-03	1.46E-03	pCi/m3	U
1207	571635023	2/28/2022	BETA	3.11E-02	1.67E-03	1.56E-03	pCi/m3	U
1207	572313023	3/7/2022	BETA	6.04E-02	2.27E-03	1.59E-03	pCi/m3	U
1207	573042025	3/14/2022	BETA	3.11E-02	1.63E-03	1.48E-03	pCi/m3	U
1207	573808019	3/21/2022	BETA	2.38E-02	1.49E-03	1.53E-03	pCi/m3	U
1207	574541023	3/28/2022	BETA	2.38E-02	1.47E-03	1.50E-03	pCi/m3	U
1207	575128021	4/4/2022	BETA	3.17E-02	1.71E-03	1.62E-03	pCi/m3	U
1207	576089021	4/11/2022	BETA	3.01E-02	1.76E-03	1.75E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	576842021	4/18/2022	BETA	2.99E-02	1.65E-03	1.61E-03	pCi/m3	
1207	577600021	4/25/2022	BETA	4.07E-02	1.89E-03	1.53E-03	pCi/m3	
1207	578408021	5/3/2022	BETA	2.99E-02	1.55E-03	1.49E-03	pCi/m3	
1207	579260025	5/9/2022	BETA	3.00E-02	1.81E-03	1.86E-03	pCi/m3	
1207	580039021	5/16/2022	BETA	3.83E-02	1.86E-03	1.57E-03	pCi/m3	
1207	580690021	5/23/2022	BETA	4.44E-02	1.95E-03	1.59E-03	pCi/m3	
1207	581375021	5/30/2022	BETA	3.11E-02	1.67E-03	1.62E-03	pCi/m3	
1207	581944019	6/6/2022	BETA	3.47E-02	1.58E-03	1.42E-03	pCi/m3	
1207	582792021	6/13/2022	BETA	3.11E-02	1.49E-03	1.27E-03	pCi/m3	
1207	583523023	6/20/2022	BETA	2.93E-02	1.42E-03	1.25E-03	pCi/m3	
1207	584133021	6/27/2022	BETA	4.32E-02	1.76E-03	1.32E-03	pCi/m3	
1207	584820021	7/4/2022	BETA	2.54E-02	1.33E-03	1.20E-03	pCi/m3	
1207	585556021	7/11/2022	BETA	2.22E-02	1.32E-03	1.52E-03	pCi/m3	
1207	586336021	7/18/2022	BETA	3.03E-02	1.49E-03	1.49E-03	pCi/m3	
1207	587158021	7/25/2022	BETA	2.68E-02	1.38E-03	1.26E-03	pCi/m3	
1207	587887021	8/1/2022	BETA	1.78E-02	1.19E-03	1.49E-03	pCi/m3	
1207	588821027	8/8/2022	BETA	1.78E-02	1.16E-03	1.30E-03	pCi/m3	
1207	589631025	8/15/2022	BETA	3.28E-02	1.53E-03	1.27E-03	pCi/m3	
1207	590529021	8/22/2022	BETA	4.90E-02	1.89E-03	1.35E-03	pCi/m3	
1207	590546025	8/29/2022	BETA	2.54E-02	1.35E-03	1.22E-03	pCi/m3	
1207	592023021	9/5/2022	BETA	2.65E-02	1.40E-03	1.26E-03	pCi/m3	
1207	592701021	9/12/2022	BETA	2.75E-02	1.42E-03	1.23E-03	pCi/m3	
1207	593604023	9/19/2022	BETA	4.93E-02	1.87E-03	1.24E-03	pCi/m3	
1207	594422021	9/26/2022	BETA	4.56E-02	1.80E-03	1.26E-03	pCi/m3	
1207	594990021	10/3/2022	BETA	2.96E-02	1.46E-03	1.23E-03	pCi/m3	
1207	596158021	10/10/2022	BETA	4.55E-02	1.80E-03	1.25E-03	pCi/m3	
1207	597076021	10/17/2022	BETA	4.06E-02	1.72E-03	1.30E-03	pCi/m3	
1207	597935021	10/24/2022	BETA	4.12E-02	1.71E-03	1.24E-03	pCi/m3	
1207	598808021	10/31/2022	BETA	2.94E-02	1.48E-03	1.28E-03	pCi/m3	
1207	599716021	11/7/2022	BETA	4.70E-02	1.82E-03	1.26E-03	pCi/m3	
1207	600681021	11/14/2022	BETA	3.26E-02	1.53E-03	1.26E-03	pCi/m3	
1207	601449025	11/21/2022	BETA	4.28E-02	1.67E-03	1.16E-03	pCi/m3	
1207	602125025	11/28/2022	BETA	4.44E-02	1.71E-03	1.15E-03	pCi/m3	
1207	602823029	12/5/2022	BETA	4.42E-02	1.70E-03	1.21E-03	pCi/m3	
1207	603758021	12/12/2022	BETA	2.78E-02	1.37E-03	1.19E-03	pCi/m3	
1207	604618023	12/19/2022	BETA	3.80E-02	1.58E-03	1.13E-03	pCi/m3	
1207	605325021	12/26/2022	BETA	3.73E-02	1.59E-03	1.18E-03	pCi/m3	
1207	571510009	1/24/2022	Bismuth-214	3.54E-04	1.08E-03	2.43E-03	pCi/m3	U
1207	574141011	2/21/2022	Bismuth-214	4.39E-03	1.27E-03	1.90E-03	pCi/m3	UI
1207	578170010	3/21/2022	Bismuth-214	-1.44E-03	6.79E-04	2.01E-03	pCi/m3	U
1207	582160011	4/18/2022	Bismuth-214	1.80E-03	8.04E-04	2.31E-03	pCi/m3	U
1207	585159011	5/16/2022	Bismuth-214	-1.15E-03	6.58E-04	1.95E-03	pCi/m3	U
1207	587304011	6/13/2022	Bismuth-214	-6.72E-04	5.94E-04	1.84E-03	pCi/m3	U
1207	592750011	7/11/2022	Bismuth-214	2.39E-04	5.99E-04	1.95E-03	pCi/m3	U
1207	592751011	8/8/2022	Bismuth-214	9.88E-04	9.68E-04	2.39E-03	pCi/m3	U
1207	600035011	9/5/2022	Bismuth-214	-4.79E-04	5.42E-04	1.68E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	600037011	10/3/2022	Bismuth-214	6.64E-04	8.45E-04	2.49E-03	pCi/m3	U
1207	606085011	10/31/2022	Bismuth-214	1.54E-03	6.30E-04	2.18E-03	pCi/m3	U
1207	606539011	11/28/2022	Bismuth-214	5.41E-04	9.06E-04	1.82E-03	pCi/m3	U
1207	609493011	12/26/2022	Bismuth-214	1.81E-03	6.45E-04	2.05E-03	pCi/m3	U
1207	571510009	1/24/2022	Cerium-141	9.91E-04	8.24E-04	1.38E-03	pCi/m3	U
1207	574141011	2/21/2022	Cerium-141	-1.00E-03	4.57E-04	1.25E-03	pCi/m3	U
1207	578170010	3/21/2022	Cerium-141	2.98E-04	4.45E-04	1.50E-03	pCi/m3	U
1207	582160011	4/18/2022	Cerium-141	-1.69E-03	9.76E-04	2.88E-03	pCi/m3	U
1207	585159011	5/16/2022	Cerium-141	-2.94E-04	7.52E-04	2.23E-03	pCi/m3	U
1207	587304011	6/13/2022	Cerium-141	-8.26E-04	6.23E-04	1.86E-03	pCi/m3	U
1207	592750011	7/11/2022	Cerium-141	1.32E-04	1.07E-03	3.28E-03	pCi/m3	U
1207	592751011	8/8/2022	Cerium-141	-3.89E-04	6.45E-04	2.15E-03	pCi/m3	U
1207	600035011	9/5/2022	Cerium-141	-1.54E-03	1.00E-03	2.95E-03	pCi/m3	U
1207	600037011	10/3/2022	Cerium-141	-1.37E-03	5.28E-04	1.39E-03	pCi/m3	U
1207	606085011	10/31/2022	Cerium-141	-9.80E-04	9.36E-04	2.88E-03	pCi/m3	U
1207	606539011	11/28/2022	Cerium-141	-6.53E-05	5.08E-04	1.68E-03	pCi/m3	U
1207	609493011	12/26/2022	Cerium-141	-1.28E-03	7.57E-04	2.18E-03	pCi/m3	U
1207	571510009	1/24/2022	Cerium-144	-1.65E-03	8.62E-04	2.41E-03	pCi/m3	U
1207	574141011	2/21/2022	Cerium-144	2.94E-04	8.81E-04	2.95E-03	pCi/m3	U
1207	578170010	3/21/2022	Cerium-144	-4.35E-04	8.08E-04	2.51E-03	pCi/m3	U
1207	582160011	4/18/2022	Cerium-144	-6.12E-04	1.07E-03	3.37E-03	pCi/m3	U
1207	585159011	5/16/2022	Cerium-144	1.42E-03	1.11E-03	3.98E-03	pCi/m3	U
1207	587304011	6/13/2022	Cerium-144	1.26E-03	1.02E-03	3.48E-03	pCi/m3	U
1207	592750011	7/11/2022	Cerium-144	-5.90E-05	9.65E-04	3.11E-03	pCi/m3	U
1207	592751011	8/8/2022	Cerium-144	-9.77E-04	1.18E-03	3.89E-03	pCi/m3	U
1207	600035011	9/5/2022	Cerium-144	1.93E-03	1.17E-03	4.08E-03	pCi/m3	U
1207	600037011	10/3/2022	Cerium-144	-7.98E-04	8.43E-04	2.61E-03	pCi/m3	U
1207	606085011	10/31/2022	Cerium-144	-1.34E-03	1.07E-03	3.26E-03	pCi/m3	U
1207	606539011	11/28/2022	Cerium-144	-1.18E-03	7.90E-04	2.40E-03	pCi/m3	U
1207	609493011	12/26/2022	Cerium-144	2.30E-03	2.09E-03	3.63E-03	pCi/m3	U
1207	571510009	1/24/2022	Cesium-134	6.46E-05	2.75E-04	8.98E-04	pCi/m3	U
1207	574141011	2/21/2022	Cesium-134	2.39E-04	2.33E-04	8.19E-04	pCi/m3	U
1207	578170010	3/21/2022	Cesium-134	3.55E-04	2.89E-04	1.10E-03	pCi/m3	U
1207	582160011	4/18/2022	Cesium-134	1.52E-04	2.92E-04	1.03E-03	pCi/m3	U
1207	585159011	5/16/2022	Cesium-134	1.03E-04	3.11E-04	9.43E-04	pCi/m3	U
1207	587304011	6/13/2022	Cesium-134	2.26E-04	2.67E-04	9.64E-04	pCi/m3	U
1207	592750011	7/11/2022	Cesium-134	3.06E-04	2.67E-04	9.72E-04	pCi/m3	U
1207	592751011	8/8/2022	Cesium-134	-2.38E-04	2.98E-04	8.59E-04	pCi/m3	U
1207	600035011	9/5/2022	Cesium-134	-2.13E-05	2.98E-04	9.55E-04	pCi/m3	U
1207	600037011	10/3/2022	Cesium-134	-1.73E-04	4.04E-04	1.19E-03	pCi/m3	U
1207	606085011	10/31/2022	Cesium-134	3.92E-04	2.40E-04	9.01E-04	pCi/m3	U
1207	606539011	11/28/2022	Cesium-134	3.69E-05	3.41E-04	1.10E-03	pCi/m3	U
1207	609493011	12/26/2022	Cesium-134	-4.86E-05	3.48E-04	1.03E-03	pCi/m3	U
1207	571510009	1/24/2022	Cesium-137	-3.66E-04	2.37E-04	6.37E-04	pCi/m3	U
1207	574141011	2/21/2022	Cesium-137	-5.56E-04	2.60E-04	6.22E-04	pCi/m3	U
1207	578170010	3/21/2022	Cesium-137	3.39E-06	3.54E-04	1.16E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	582160011	4/18/2022	Cesium-137	3.51E-04	2.53E-04	9.15E-04	pCi/m3	U
1207	585159011	5/16/2022	Cesium-137	1.92E-04	2.59E-04	9.19E-04	pCi/m3	U
1207	587304011	6/13/2022	Cesium-137	-6.56E-05	3.49E-04	1.31E-03	pCi/m3	U
1207	592750011	7/11/2022	Cesium-137	-2.57E-04	2.67E-04	7.51E-04	pCi/m3	U
1207	592751011	8/8/2022	Cesium-137	2.75E-04	4.89E-04	6.22E-04	pCi/m3	U
1207	600035011	9/5/2022	Cesium-137	2.35E-04	2.19E-04	7.84E-04	pCi/m3	U
1207	600037011	10/3/2022	Cesium-137	2.44E-04	3.68E-04	1.21E-03	pCi/m3	U
1207	606085011	10/31/2022	Cesium-137	9.49E-04	4.21E-04	7.16E-04	pCi/m3	UI
1207	606539011	11/28/2022	Cesium-137	-1.15E-04	3.56E-04	1.08E-03	pCi/m3	U
1207	609493011	12/26/2022	Cesium-137	-2.93E-04	2.40E-04	7.02E-04	pCi/m3	U
1207	571510009	1/24/2022	Chromium-51	1.05E-02	4.48E-03	1.10E-02	pCi/m3	U
1207	574141011	2/21/2022	Chromium-51	4.30E-03	2.70E-03	9.62E-03	pCi/m3	U
1207	578170010	3/21/2022	Chromium-51	1.18E-02	4.96E-03	1.33E-02	pCi/m3	U
1207	582160011	4/18/2022	Chromium-51	5.14E-03	6.31E-03	2.25E-02	pCi/m3	U
1207	585159011	5/16/2022	Chromium-51	5.63E-03	6.78E-03	2.31E-02	pCi/m3	U
1207	587304011	6/13/2022	Chromium-51	-6.10E-03	4.21E-03	1.30E-02	pCi/m3	U
1207	592750011	7/11/2022	Chromium-51	3.18E-03	8.77E-03	2.97E-02	pCi/m3	U
1207	592751011	8/8/2022	Chromium-51	-7.60E-03	4.98E-03	1.50E-02	pCi/m3	U
1207	600035011	9/5/2022	Chromium-51	5.36E-03	8.52E-03	2.99E-02	pCi/m3	U
1207	600037011	10/3/2022	Chromium-51	-3.12E-03	4.43E-03	1.45E-02	pCi/m3	U
1207	606085011	10/31/2022	Chromium-51	1.65E-02	7.85E-03	2.18E-02	pCi/m3	U
1207	606539011	11/28/2022	Chromium-51	6.85E-03	4.42E-03	1.56E-02	pCi/m3	U
1207	609493011	12/26/2022	Chromium-51	-2.28E-03	5.26E-03	1.64E-02	pCi/m3	U
1207	571510009	1/24/2022	Cobalt-57	1.36E-04	1.13E-04	3.98E-04	pCi/m3	U
1207	574141011	2/21/2022	Cobalt-57	4.98E-05	1.15E-04	3.88E-04	pCi/m3	U
1207	578170010	3/21/2022	Cobalt-57	-9.23E-05	1.15E-04	3.57E-04	pCi/m3	U
1207	582160011	4/18/2022	Cobalt-57	5.69E-05	1.55E-04	5.17E-04	pCi/m3	U
1207	585159011	5/16/2022	Cobalt-57	1.07E-04	1.51E-04	5.32E-04	pCi/m3	U
1207	587304011	6/13/2022	Cobalt-57	8.70E-05	1.25E-04	4.19E-04	pCi/m3	U
1207	592750011	7/11/2022	Cobalt-57	1.03E-04	1.29E-04	4.40E-04	pCi/m3	U
1207	592751011	8/8/2022	Cobalt-57	-1.11E-04	1.51E-04	5.01E-04	pCi/m3	U
1207	600035011	9/5/2022	Cobalt-57	-7.83E-05	1.45E-04	4.55E-04	pCi/m3	U
1207	600037011	10/3/2022	Cobalt-57	-2.23E-05	1.16E-04	3.79E-04	pCi/m3	U
1207	606085011	10/31/2022	Cobalt-57	-5.93E-05	1.31E-04	4.19E-04	pCi/m3	U
1207	606539011	11/28/2022	Cobalt-57	6.71E-05	1.03E-04	3.58E-04	pCi/m3	U
1207	609493011	12/26/2022	Cobalt-57	1.47E-04	1.49E-04	5.21E-04	pCi/m3	U
1207	571510009	1/24/2022	Cobalt-58	7.14E-04	4.88E-04	1.52E-03	pCi/m3	U
1207	574141011	2/21/2022	Cobalt-58	-1.39E-04	2.71E-04	8.32E-04	pCi/m3	U
1207	578170010	3/21/2022	Cobalt-58	1.03E-03	4.57E-04	1.27E-03	pCi/m3	U
1207	582160011	4/18/2022	Cobalt-58	-7.01E-05	3.01E-04	9.89E-04	pCi/m3	U
1207	585159011	5/16/2022	Cobalt-58	3.31E-04	3.69E-04	1.33E-03	pCi/m3	U
1207	587304011	6/13/2022	Cobalt-58	-2.68E-05	3.19E-04	1.07E-03	pCi/m3	U
1207	592750011	7/11/2022	Cobalt-58	-4.36E-04	4.73E-04	1.38E-03	pCi/m3	U
1207	592751011	8/8/2022	Cobalt-58	4.90E-05	3.24E-04	1.05E-03	pCi/m3	U
1207	600035011	9/5/2022	Cobalt-58	0.00E+00	4.12E-04	1.33E-03	pCi/m3	U
1207	600037011	10/3/2022	Cobalt-58	8.60E-05	3.19E-04	1.12E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	606085011	10/31/2022	Cobalt-58	6.80E-05	3.43E-04	1.12E-03	pCi/m3	U
1207	606539011	11/28/2022	Cobalt-58	-3.14E-04	3.94E-04	1.22E-03	pCi/m3	U
1207	609493011	12/26/2022	Cobalt-58	-1.62E-04	3.59E-04	1.11E-03	pCi/m3	U
1207	571510009	1/24/2022	Cobalt-60	-6.47E-05	2.58E-04	8.22E-04	pCi/m3	U
1207	574141011	2/21/2022	Cobalt-60	4.55E-05	2.62E-04	9.01E-04	pCi/m3	U
1207	578170010	3/21/2022	Cobalt-60	7.96E-04	3.59E-04	1.56E-03	pCi/m3	U
1207	582160011	4/18/2022	Cobalt-60	4.68E-04	2.85E-04	1.13E-03	pCi/m3	U
1207	585159011	5/16/2022	Cobalt-60	-3.45E-04	2.73E-04	7.44E-04	pCi/m3	U
1207	587304011	6/13/2022	Cobalt-60	-3.54E-04	3.58E-04	8.36E-04	pCi/m3	U
1207	592750011	7/11/2022	Cobalt-60	-3.79E-04	3.10E-04	8.26E-04	pCi/m3	U
1207	592751011	8/8/2022	Cobalt-60	4.11E-04	3.37E-04	1.27E-03	pCi/m3	U
1207	600035011	9/5/2022	Cobalt-60	8.74E-05	2.25E-04	7.92E-04	pCi/m3	U
1207	600037011	10/3/2022	Cobalt-60	-7.37E-05	4.04E-04	1.28E-03	pCi/m3	U
1207	606085011	10/31/2022	Cobalt-60	-3.02E-04	2.31E-04	5.78E-04	pCi/m3	U
1207	606539011	11/28/2022	Cobalt-60	-4.50E-04	3.99E-04	1.08E-03	pCi/m3	U
1207	609493011	12/26/2022	Cobalt-60	-3.76E-04	2.85E-04	7.67E-04	pCi/m3	U
1207	571510009	1/24/2022	Iron-59	1.05E-03	7.74E-04	2.95E-03	pCi/m3	U
1207	574141011	2/21/2022	Iron-59	1.77E-04	6.39E-04	2.12E-03	pCi/m3	U
1207	578170010	3/21/2022	Iron-59	1.25E-03	1.35E-03	4.89E-03	pCi/m3	U
1207	582160011	4/18/2022	Iron-59	1.58E-03	1.06E-03	4.14E-03	pCi/m3	U
1207	585159011	5/16/2022	Iron-59	-7.01E-04	1.09E-03	3.21E-03	pCi/m3	U
1207	587304011	6/13/2022	Iron-59	2.57E-04	8.30E-04	2.84E-03	pCi/m3	U
1207	592750011	7/11/2022	Iron-59	7.23E-04	1.37E-03	4.86E-03	pCi/m3	U
1207	592751011	8/8/2022	Iron-59	3.43E-04	9.95E-04	3.47E-03	pCi/m3	U
1207	600035011	9/5/2022	Iron-59	-4.56E-04	1.10E-03	3.53E-03	pCi/m3	U
1207	600037011	10/3/2022	Iron-59	6.42E-04	7.81E-04	2.92E-03	pCi/m3	U
1207	606085011	10/31/2022	Iron-59	-5.33E-04	9.75E-04	2.98E-03	pCi/m3	U
1207	606539011	11/28/2022	Iron-59	8.40E-04	9.59E-04	3.56E-03	pCi/m3	U
1207	609493011	12/26/2022	Iron-59	4.85E-04	9.58E-04	3.38E-03	pCi/m3	U
1207	571510009	1/24/2022	Lanthanum-140	9.74E-04	2.42E-03	8.38E-03	pCi/m3	U
1207	574141011	2/21/2022	Lanthanum-140	-1.10E-03	1.81E-03	5.47E-03	pCi/m3	U
1207	578170010	3/21/2022	Lanthanum-140	-2.72E-03	2.87E-03	7.49E-03	pCi/m3	U
1207	582160011	4/18/2022	Lanthanum-140	9.53E-03	6.56E-03	2.69E-02	pCi/m3	U
1207	585159011	5/16/2022	Lanthanum-140	-3.06E-03	5.64E-03	1.72E-02	pCi/m3	U
1207	587304011	6/13/2022	Lanthanum-140	-1.76E-03	3.06E-03	9.43E-03	pCi/m3	U
1207	592750011	7/11/2022	Lanthanum-140	-3.49E-02	1.34E-02	1.41E-02	pCi/m3	U
1207	592751011	8/8/2022	Lanthanum-140	-6.13E-03	3.64E-03	8.31E-03	pCi/m3	U
1207	600035011	9/5/2022	Lanthanum-140	-1.15E-02	9.90E-03	2.61E-02	pCi/m3	U
1207	600037011	10/3/2022	Lanthanum-140	3.71E-03	3.27E-03	1.26E-02	pCi/m3	U
1207	606085011	10/31/2022	Lanthanum-140	-1.37E-02	1.42E-02	3.97E-02	pCi/m3	U
1207	606539011	11/28/2022	Lanthanum-140	1.98E-04	4.30E-03	1.45E-02	pCi/m3	U
1207	609493011	12/26/2022	Lanthanum-140	-7.33E-03	3.94E-03	9.24E-03	pCi/m3	U
1207	571510009	1/24/2022	Lead-210	4.07E-03	3.19E-02	9.71E-02	pCi/m3	U
1207	574141011	2/21/2022	Lead-210	5.85E-02	4.33E-02	8.46E-02	pCi/m3	U
1207	578170010	3/21/2022	Lead-210	2.25E-02	3.58E-03	5.07E-03	pCi/m3	U
1207	582160011	4/18/2022	Lead-210	5.77E-02	4.97E-02	1.81E-01	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	585159011	5/16/2022	Lead-210	-6.05E-02	5.28E-02	1.59E-01	pCi/m3	U
1207	587304011	6/13/2022	Lead-210	1.96E-02	2.33E-02	4.61E-02	pCi/m3	U
1207	592750011	7/11/2022	Lead-210	2.68E-02	5.15E-02	1.84E-01	pCi/m3	U
1207	592751011	8/8/2022	Lead-210	-2.21E-02	3.37E-02	9.62E-02	pCi/m3	U
1207	600035011	9/5/2022	Lead-210	1.30E-02	2.54E-02	8.11E-02	pCi/m3	U
1207	600037011	10/3/2022	Lead-210	1.87E-02	4.47E-03	4.95E-03	pCi/m3	
1207	606085011	10/31/2022	Lead-210	6.52E-02	2.82E-02	3.75E-02	pCi/m3	UI
1207	606539011	11/28/2022	Lead-210	2.70E-02	5.05E-03	5.44E-03	pCi/m3	
1207	609493011	12/26/2022	Lead-210	2.60E-02	5.06E-02	1.63E-01	pCi/m3	U
1207	571510009	1/24/2022	Lead-212	1.17E-03	5.76E-04	7.52E-04	pCi/m3	UI
1207	574141011	2/21/2022	Lead-212	4.58E-04	6.03E-04	1.30E-03	pCi/m3	U
1207	578170010	3/21/2022	Lead-212	8.55E-04	7.42E-04	1.15E-03	pCi/m3	U
1207	582160011	4/18/2022	Lead-212	9.95E-04	5.28E-04	1.59E-03	pCi/m3	U
1207	585159011	5/16/2022	Lead-212	1.61E-03	6.71E-04	1.82E-03	pCi/m3	U
1207	587304011	6/13/2022	Lead-212	4.28E-04	6.22E-04	9.90E-04	pCi/m3	U
1207	592750011	7/11/2022	Lead-212	3.47E-04	5.06E-04	1.20E-03	pCi/m3	U
1207	592751011	8/8/2022	Lead-212	2.12E-06	7.84E-04	1.41E-03	pCi/m3	U
1207	600035011	9/5/2022	Lead-212	5.92E-05	4.33E-04	1.35E-03	pCi/m3	U
1207	600037011	10/3/2022	Lead-212	-7.96E-05	4.37E-04	1.33E-03	pCi/m3	U
1207	606085011	10/31/2022	Lead-212	1.43E-03	5.50E-04	1.58E-03	pCi/m3	U
1207	606539011	11/28/2022	Lead-212	1.45E-03	4.67E-04	8.70E-04	pCi/m3	
1207	609493011	12/26/2022	Lead-212	8.42E-04	6.83E-04	1.03E-03	pCi/m3	U
1207	571510009	1/24/2022	Lead-214	2.08E-03	8.70E-04	1.47E-03	pCi/m3	UI
1207	574141011	2/21/2022	Lead-214	8.61E-04	5.44E-04	1.56E-03	pCi/m3	U
1207	578170010	3/21/2022	Lead-214	1.59E-04	6.63E-04	2.05E-03	pCi/m3	U
1207	582160011	4/18/2022	Lead-214	3.52E-03	9.70E-04	1.99E-03	pCi/m3	UI
1207	585159011	5/16/2022	Lead-214	8.44E-04	7.71E-04	1.90E-03	pCi/m3	U
1207	587304011	6/13/2022	Lead-214	2.24E-03	7.84E-04	1.84E-03	pCi/m3	UI
1207	592750011	7/11/2022	Lead-214	1.10E-03	5.23E-04	1.86E-03	pCi/m3	U
1207	592751011	8/8/2022	Lead-214	4.61E-04	6.03E-04	2.02E-03	pCi/m3	U
1207	600035011	9/5/2022	Lead-214	7.19E-04	8.25E-04	1.86E-03	pCi/m3	U
1207	600037011	10/3/2022	Lead-214	6.29E-04	5.69E-04	1.94E-03	pCi/m3	U
1207	606085011	10/31/2022	Lead-214	1.39E-03	1.16E-03	1.21E-03	pCi/m3	UI
1207	606539011	11/28/2022	Lead-214	1.50E-03	1.10E-03	1.44E-03	pCi/m3	UI
1207	609493011	12/26/2022	Lead-214	5.70E-04	1.15E-03	1.95E-03	pCi/m3	U
1207	571510009	1/24/2022	Manganese-54	-2.55E-05	3.14E-04	1.04E-03	pCi/m3	U
1207	574141011	2/21/2022	Manganese-54	-1.38E-04	1.92E-04	5.62E-04	pCi/m3	U
1207	578170010	3/21/2022	Manganese-54	-3.33E-05	2.45E-04	8.08E-04	pCi/m3	U
1207	582160011	4/18/2022	Manganese-54	-3.53E-04	3.25E-04	8.35E-04	pCi/m3	U
1207	585159011	5/16/2022	Manganese-54	2.69E-04	2.92E-04	1.04E-03	pCi/m3	U
1207	587304011	6/13/2022	Manganese-54	8.23E-05	2.29E-04	7.97E-04	pCi/m3	U
1207	592750011	7/11/2022	Manganese-54	-7.56E-06	2.60E-04	8.41E-04	pCi/m3	U
1207	592751011	8/8/2022	Manganese-54	-6.53E-04	4.27E-04	9.72E-04	pCi/m3	U
1207	600035011	9/5/2022	Manganese-54	4.93E-04	2.61E-04	9.88E-04	pCi/m3	U
1207	600037011	10/3/2022	Manganese-54	5.47E-04	3.61E-04	8.64E-04	pCi/m3	U
1207	606085011	10/31/2022	Manganese-54	1.41E-04	2.25E-04	7.67E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1207	606539011	11/28/2022	Manganese-54	-2.17E-04	3.29E-04	1.05E-03	pCi/m3	U
1207	609493011	12/26/2022	Manganese-54	-2.51E-04	3.02E-04	9.06E-04	pCi/m3	U
1207	571510009	1/24/2022	Molybdenum-99	-2.85E+01	3.50E+01	0.00E+00	pCi/m3	U
1207	574141011	2/21/2022	Molybdenum-99	5.36E+00	6.56E+00	0.00E+00	pCi/m3	UI
1207	578170010	3/21/2022	Molybdenum-99	-4.39E+01	4.13E+01	0.00E+00	pCi/m3	U
1207	582160011	4/18/2022	Molybdenum-99	9.57E+02	4.89E+03	0.00E+00	pCi/m3	UI
1207	585159011	5/16/2022	Molybdenum-99	1.23E+03	1.26E+03	0.00E+00	pCi/m3	UI
1207	587304011	6/13/2022	Molybdenum-99	2.65E+02	1.61E+02	0.00E+00	pCi/m3	UI
1207	592750011	7/11/2022	Molybdenum-99	-2.05E+05	1.06E+05	0.00E+00	pCi/m3	U
1207	592751011	8/8/2022	Molybdenum-99	1.28E+02	1.38E+02	0.00E+00	pCi/m3	UI
1207	600035011	9/5/2022	Molybdenum-99	1.34E+04	3.24E+04	0.00E+00	pCi/m3	UI
1207	600037011	10/3/2022	Molybdenum-99	3.39E+01	2.71E+01	0.00E+00	pCi/m3	UI
1207	606085011	10/31/2022	Molybdenum-99	-4.80E+03	3.59E+04	0.00E+00	pCi/m3	U
1207	606539011	11/28/2022	Molybdenum-99	3.37E+01	1.76E+02	0.00E+00	pCi/m3	UI
1207	609493011	12/26/2022	Molybdenum-99	-1.39E+02	1.37E+02	0.00E+00	pCi/m3	U
1207	571510009	1/24/2022	Niobium-95	-7.33E-04	3.99E-04	1.14E-03	pCi/m3	U
1207	574141011	2/21/2022	Niobium-95	-1.13E-04	2.99E-04	9.41E-04	pCi/m3	U
1207	578170010	3/21/2022	Niobium-95	-3.74E-07	3.81E-04	1.29E-03	pCi/m3	U
1207	582160011	4/18/2022	Niobium-95	9.67E-04	6.16E-04	1.28E-03	pCi/m3	U
1207	585159011	5/16/2022	Niobium-95	9.90E-04	5.67E-04	1.30E-03	pCi/m3	U
1207	587304011	6/13/2022	Niobium-95	3.01E-04	3.96E-04	1.28E-03	pCi/m3	U
1207	592750011	7/11/2022	Niobium-95	5.06E-04	4.63E-04	1.68E-03	pCi/m3	U
1207	592751011	8/8/2022	Niobium-95	-8.69E-04	4.02E-04	9.69E-04	pCi/m3	U
1207	600035011	9/5/2022	Niobium-95	7.18E-04	4.75E-04	1.73E-03	pCi/m3	U
1207	600037011	10/3/2022	Niobium-95	-7.15E-04	5.40E-04	1.51E-03	pCi/m3	U
1207	606085011	10/31/2022	Niobium-95	-1.11E-03	5.41E-04	1.35E-03	pCi/m3	U
1207	606539011	11/28/2022	Niobium-95	-3.12E-04	4.18E-04	1.20E-03	pCi/m3	U
1207	609493011	12/26/2022	Niobium-95	-9.22E-05	4.04E-04	1.29E-03	pCi/m3	U
1207	571510009	1/24/2022	Potassium-40	7.75E-03	4.87E-03	1.85E-02	pCi/m3	U
1207	574141011	2/21/2022	Potassium-40	6.18E-03	4.85E-03	9.42E-03	pCi/m3	U
1207	578170010	3/21/2022	Potassium-40	4.83E-03	5.16E-03	1.88E-02	pCi/m3	U
1207	582160011	4/18/2022	Potassium-40	6.62E-03	6.05E-03	1.04E-02	pCi/m3	U
1207	585159011	5/16/2022	Potassium-40	1.69E-02	6.64E-03	7.25E-03	pCi/m3	U
1207	587304011	6/13/2022	Potassium-40	8.21E-03	5.01E-03	5.83E-03	pCi/m3	UI
1207	592750011	7/11/2022	Potassium-40	9.17E-03	5.32E-03	1.04E-02	pCi/m3	U
1207	592751011	8/8/2022	Potassium-40	9.23E-03	6.41E-03	1.03E-02	pCi/m3	U
1207	600035011	9/5/2022	Potassium-40	1.60E-02	5.61E-03	7.77E-03	pCi/m3	U
1207	600037011	10/3/2022	Potassium-40	1.21E-02	5.26E-03	9.03E-03	pCi/m3	UI
1207	606085011	10/31/2022	Potassium-40	7.52E-03	4.39E-03	7.67E-03	pCi/m3	U
1207	606539011	11/28/2022	Potassium-40	9.98E-03	4.89E-03	1.01E-02	pCi/m3	U
1207	609493011	12/26/2022	Potassium-40	1.53E-03	4.82E-03	6.44E-03	pCi/m3	U
1207	571510009	1/24/2022	Radium-226	3.54E-04	1.08E-03	2.43E-03	pCi/m3	U
1207	574141011	2/21/2022	Radium-226	4.39E-03	1.27E-03	1.90E-03	pCi/m3	UI
1207	578170010	3/21/2022	Radium-226	-1.44E-03	6.79E-04	2.01E-03	pCi/m3	U
1207	582160011	4/18/2022	Radium-226	1.80E-03	8.04E-04	2.31E-03	pCi/m3	U
1207	585159011	5/16/2022	Radium-226	-1.15E-03	6.58E-04	1.95E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	587304011	6/13/2022	Radium-226	-6.72E-04	5.94E-04	1.84E-03	pCi/m3	U
1207	592750011	7/11/2022	Radium-226	2.39E-04	5.99E-04	1.95E-03	pCi/m3	U
1207	592751011	8/8/2022	Radium-226	9.88E-04	9.68E-04	2.39E-03	pCi/m3	U
1207	600035011	9/5/2022	Radium-226	7.19E-04	8.25E-04	1.86E-03	pCi/m3	U
1207	600037011	10/3/2022	Radium-226	6.29E-04	5.69E-04	1.94E-03	pCi/m3	U
1207	606085011	10/31/2022	Radium-226	1.39E-03	1.16E-03	1.21E-03	pCi/m3	UI
1207	606539011	11/28/2022	Radium-226	1.50E-03	1.10E-03	1.44E-03	pCi/m3	UI
1207	609493011	12/26/2022	Radium-226	5.70E-04	1.15E-03	1.95E-03	pCi/m3	U
1207	571510009	1/24/2022	Radium-228	2.27E-04	1.42E-03	4.76E-03	pCi/m3	U
1207	574141011	2/21/2022	Radium-228	3.52E-04	1.06E-03	3.70E-03	pCi/m3	U
1207	578170010	3/21/2022	Radium-228	2.86E-03	1.24E-03	5.13E-03	pCi/m3	U
1207	582160011	4/18/2022	Radium-228	1.21E-03	1.20E-03	2.28E-03	pCi/m3	U
1207	585159011	5/16/2022	Radium-228	-1.47E-04	1.42E-03	4.65E-03	pCi/m3	U
1207	587304011	6/13/2022	Radium-228	3.83E-03	1.52E-03	4.31E-03	pCi/m3	U
1207	592750011	7/11/2022	Radium-228	1.07E-03	1.41E-03	4.07E-03	pCi/m3	U
1207	592751011	8/8/2022	Radium-228	-1.54E-03	1.34E-03	4.13E-03	pCi/m3	U
1207	600035011	9/5/2022	Radium-228	-1.51E-03	1.37E-03	4.36E-03	pCi/m3	U
1207	600037011	10/3/2022	Radium-228	-6.64E-04	1.43E-03	4.61E-03	pCi/m3	U
1207	606085011	10/31/2022	Radium-228	3.32E-04	1.24E-03	4.09E-03	pCi/m3	U
1207	606539011	11/28/2022	Radium-228	6.77E-03	1.58E-03	6.22E-03	pCi/m3	UI
1207	609493011	12/26/2022	Radium-228	3.62E-03	1.63E-03	4.62E-03	pCi/m3	U
1207	571510009	1/24/2022	Ruthenium-103	3.96E-04	3.79E-04	1.37E-03	pCi/m3	U
1207	574141011	2/21/2022	Ruthenium-103	-2.93E-04	3.02E-04	9.37E-04	pCi/m3	U
1207	578170010	3/21/2022	Ruthenium-103	-6.25E-04	4.65E-04	1.32E-03	pCi/m3	U
1207	582160011	4/18/2022	Ruthenium-103	5.55E-04	5.39E-04	1.92E-03	pCi/m3	U
1207	585159011	5/16/2022	Ruthenium-103	-1.92E-06	4.42E-04	1.40E-03	pCi/m3	U
1207	587304011	6/13/2022	Ruthenium-103	7.36E-04	4.30E-04	9.34E-04	pCi/m3	U
1207	592750011	7/11/2022	Ruthenium-103	3.01E-04	5.95E-04	1.99E-03	pCi/m3	U
1207	592751011	8/8/2022	Ruthenium-103	-5.89E-04	4.80E-04	1.17E-03	pCi/m3	U
1207	600035011	9/5/2022	Ruthenium-103	4.31E-03	1.24E-03	2.07E-03	pCi/m3	UI
1207	600037011	10/3/2022	Ruthenium-103	2.29E-04	4.65E-04	1.60E-03	pCi/m3	U
1207	606085011	10/31/2022	Ruthenium-103	5.23E-04	5.40E-04	1.93E-03	pCi/m3	U
1207	606539011	11/28/2022	Ruthenium-103	2.24E-05	3.71E-04	1.24E-03	pCi/m3	U
1207	609493011	12/26/2022	Ruthenium-103	2.89E-04	4.77E-04	1.66E-03	pCi/m3	U
1207	571510009	1/24/2022	Ruthenium-106	5.68E-04	2.03E-03	6.82E-03	pCi/m3	U
1207	574141011	2/21/2022	Ruthenium-106	7.30E-04	1.86E-03	6.38E-03	pCi/m3	U
1207	578170010	3/21/2022	Ruthenium-106	2.95E-03	2.53E-03	9.17E-03	pCi/m3	U
1207	582160011	4/18/2022	Ruthenium-106	-1.80E-03	2.53E-03	7.62E-03	pCi/m3	U
1207	585159011	5/16/2022	Ruthenium-106	-1.31E-03	2.26E-03	7.22E-03	pCi/m3	U
1207	587304011	6/13/2022	Ruthenium-106	-3.26E-03	2.00E-03	5.34E-03	pCi/m3	U
1207	592750011	7/11/2022	Ruthenium-106	1.17E-03	2.19E-03	7.65E-03	pCi/m3	U
1207	592751011	8/8/2022	Ruthenium-106	4.40E-04	2.30E-03	6.80E-03	pCi/m3	U
1207	600035011	9/5/2022	Ruthenium-106	7.32E-04	2.23E-03	7.51E-03	pCi/m3	U
1207	600037011	10/3/2022	Ruthenium-106	-1.07E-03	2.69E-03	8.34E-03	pCi/m3	U
1207	606085011	10/31/2022	Ruthenium-106	-5.56E-03	2.30E-03	5.81E-03	pCi/m3	U
1207	606539011	11/28/2022	Ruthenium-106	-3.18E-03	2.48E-03	6.91E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1207	609493011	12/26/2022	Ruthenium-106	-3.57E-03	2.28E-03	6.54E-03	pCi/m3	U
1207	571510009	1/24/2022	Selenium-75	7.07E-05	2.94E-04	9.10E-04	pCi/m3	U
1207	574141011	2/21/2022	Selenium-75	-3.18E-05	2.62E-04	8.23E-04	pCi/m3	U
1207	578170010	3/21/2022	Selenium-75	-1.53E-04	2.76E-04	9.11E-04	pCi/m3	U
1207	582160011	4/18/2022	Selenium-75	6.20E-04	5.61E-04	1.26E-03	pCi/m3	U
1207	585159011	5/16/2022	Selenium-75	-3.29E-05	3.72E-04	1.22E-03	pCi/m3	U
1207	587304011	6/13/2022	Selenium-75	-3.09E-04	2.49E-04	7.87E-04	pCi/m3	U
1207	592750011	7/11/2022	Selenium-75	3.82E-05	2.89E-04	9.84E-04	pCi/m3	U
1207	592751011	8/8/2022	Selenium-75	-2.62E-05	3.13E-04	1.04E-03	pCi/m3	U
1207	600035011	9/5/2022	Selenium-75	-2.06E-04	3.06E-04	1.02E-03	pCi/m3	U
1207	600037011	10/3/2022	Selenium-75	-7.17E-05	3.40E-04	1.05E-03	pCi/m3	U
1207	606085011	10/31/2022	Selenium-75	1.59E-04	3.55E-04	1.14E-03	pCi/m3	U
1207	606539011	11/28/2022	Selenium-75	1.12E-04	3.08E-04	9.29E-04	pCi/m3	U
1207	609493011	12/26/2022	Selenium-75	-1.72E-04	3.21E-04	1.01E-03	pCi/m3	U
1207	571510009	1/24/2022	Silver-108m	2.54E-04	1.91E-04	6.69E-04	pCi/m3	U
1207	574141011	2/21/2022	Silver-108m	3.55E-04	1.52E-04	5.98E-04	pCi/m3	U
1207	578170010	3/21/2022	Silver-108m	1.95E-04	2.26E-04	7.96E-04	pCi/m3	U
1207	582160011	4/18/2022	Silver-108m	-3.86E-05	1.88E-04	6.16E-04	pCi/m3	U
1207	585159011	5/16/2022	Silver-108m	1.17E-05	1.93E-04	6.19E-04	pCi/m3	U
1207	587304011	6/13/2022	Silver-108m	9.09E-05	1.84E-04	6.28E-04	pCi/m3	U
1207	592750011	7/11/2022	Silver-108m	1.27E-04	1.58E-04	5.46E-04	pCi/m3	U
1207	592751011	8/8/2022	Silver-108m	-3.32E-04	2.07E-04	5.98E-04	pCi/m3	U
1207	600035011	9/5/2022	Silver-108m	1.21E-04	1.83E-04	6.37E-04	pCi/m3	U
1207	600037011	10/3/2022	Silver-108m	-2.98E-04	1.89E-04	5.36E-04	pCi/m3	U
1207	606085011	10/31/2022	Silver-108m	3.38E-04	2.56E-04	5.08E-04	pCi/m3	U
1207	606539011	11/28/2022	Silver-108m	3.59E-06	1.89E-04	6.07E-04	pCi/m3	U
1207	609493011	12/26/2022	Silver-108m	-1.20E-04	1.87E-04	6.05E-04	pCi/m3	U
1207	571510009	1/24/2022	Silver-110m	3.16E-04	3.66E-04	1.32E-03	pCi/m3	U
1207	574141011	2/21/2022	Silver-110m	-7.31E-05	3.23E-04	1.02E-03	pCi/m3	U
1207	578170010	3/21/2022	Silver-110m	-1.46E-04	5.24E-04	1.70E-03	pCi/m3	U
1207	582160011	4/18/2022	Silver-110m	3.66E-04	3.60E-04	1.34E-03	pCi/m3	U
1207	585159011	5/16/2022	Silver-110m	2.47E-04	2.78E-04	9.53E-04	pCi/m3	U
1207	587304011	6/13/2022	Silver-110m	-1.78E-04	3.66E-04	1.18E-03	pCi/m3	U
1207	592750011	7/11/2022	Silver-110m	1.56E-04	4.60E-04	1.53E-03	pCi/m3	U
1207	592751011	8/8/2022	Silver-110m	7.04E-05	3.63E-04	1.18E-03	pCi/m3	U
1207	600035011	9/5/2022	Silver-110m	1.03E-04	3.88E-04	1.28E-03	pCi/m3	U
1207	600037011	10/3/2022	Silver-110m	1.14E-04	2.61E-04	9.46E-04	pCi/m3	U
1207	606085011	10/31/2022	Silver-110m	-2.11E-05	3.37E-04	1.13E-03	pCi/m3	U
1207	606539011	11/28/2022	Silver-110m	-3.79E-05	4.60E-04	1.54E-03	pCi/m3	U
1207	609493011	12/26/2022	Silver-110m	-4.32E-05	4.17E-04	1.33E-03	pCi/m3	U
1207	571510009	1/24/2022	Tellurium-132	-3.21E-04	5.37E-01	0.00E+00	pCi/m3	U
1207	574141011	2/21/2022	Tellurium-132	-1.40E-01	1.82E-01	0.00E+00	pCi/m3	U
1207	578170010	3/21/2022	Tellurium-132	2.27E+00	9.01E-01	0.00E+00	pCi/m3	UI
1207	582160011	4/18/2022	Tellurium-132	-7.92E+01	6.07E+01	0.00E+00	pCi/m3	U
1207	585159011	5/16/2022	Tellurium-132	1.62E+01	1.23E+01	0.00E+00	pCi/m3	UI
1207	587304011	6/13/2022	Tellurium-132	9.17E-03	2.28E+00	0.00E+00	pCi/m3	UI

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	592750011	7/11/2022	Tellurium-132	-1.92E+03	7.81E+02	0.00E+00	pCi/m3	U
1207	592751011	8/8/2022	Tellurium-132	-2.40E+00	2.39E+00	0.00E+00	pCi/m3	U
1207	600035011	9/5/2022	Tellurium-132	-2.03E+01	2.87E+02	0.00E+00	pCi/m3	U
1207	600037011	10/3/2022	Tellurium-132	-2.91E-01	4.92E-01	0.00E+00	pCi/m3	U
1207	606085011	10/31/2022	Tellurium-132	-1.10E+02	2.82E+02	0.00E+00	pCi/m3	U
1207	606539011	11/28/2022	Tellurium-132	7.75E+00	7.77E+00	0.00E+00	pCi/m3	UI
1207	609493011	12/26/2022	Tellurium-132	-1.67E+00	2.38E+00	0.00E+00	pCi/m3	U
1207	571510009	1/24/2022	Thallium-208	1.93E-04	4.17E-04	7.71E-04	pCi/m3	U
1207	574141011	2/21/2022	Thallium-208	2.91E-05	3.66E-04	5.33E-04	pCi/m3	U
1207	578170010	3/21/2022	Thallium-208	3.73E-04	2.72E-04	1.00E-03	pCi/m3	U
1207	582160011	4/18/2022	Thallium-208	5.83E-04	4.06E-04	7.19E-04	pCi/m3	U
1207	585159011	5/16/2022	Thallium-208	3.77E-04	3.22E-04	1.14E-03	pCi/m3	U
1207	587304011	6/13/2022	Thallium-208	-9.93E-05	2.77E-04	8.92E-04	pCi/m3	U
1207	592750011	7/11/2022	Thallium-208	-4.26E-05	2.40E-04	7.73E-04	pCi/m3	U
1207	592751011	8/8/2022	Thallium-208	-1.98E-04	2.97E-04	9.27E-04	pCi/m3	U
1207	600035011	9/5/2022	Thallium-208	2.25E-04	3.02E-04	9.84E-04	pCi/m3	U
1207	600037011	10/3/2022	Thallium-208	-1.87E-04	3.25E-04	9.64E-04	pCi/m3	U
1207	606085011	10/31/2022	Thallium-208	2.88E-04	3.70E-04	6.80E-04	pCi/m3	U
1207	606539011	11/28/2022	Thallium-208	1.06E-03	5.03E-04	9.21E-04	pCi/m3	UI
1207	609493011	12/26/2022	Thallium-208	2.55E-04	2.79E-04	9.69E-04	pCi/m3	U
1207	571510009	1/24/2022	Thorium-228	1.17E-03	5.76E-04	7.52E-04	pCi/m3	UI
1207	574141011	2/21/2022	Thorium-228	4.58E-04	6.03E-04	1.30E-03	pCi/m3	U
1207	578170010	3/21/2022	Thorium-228	8.55E-04	7.42E-04	1.15E-03	pCi/m3	U
1207	582160011	4/18/2022	Thorium-228	9.95E-04	5.28E-04	1.59E-03	pCi/m3	U
1207	585159011	5/16/2022	Thorium-228	1.61E-03	6.71E-04	1.82E-03	pCi/m3	U
1207	587304011	6/13/2022	Thorium-228	4.28E-04	6.22E-04	9.90E-04	pCi/m3	U
1207	592750011	7/11/2022	Thorium-228	3.47E-04	5.06E-04	1.20E-03	pCi/m3	U
1207	592751011	8/8/2022	Thorium-228	2.12E-06	7.84E-04	1.41E-03	pCi/m3	U
1207	600035011	9/5/2022	Thorium-228	5.92E-05	4.33E-04	1.35E-03	pCi/m3	U
1207	600037011	10/3/2022	Thorium-228	-7.96E-05	4.37E-04	1.33E-03	pCi/m3	U
1207	606085011	10/31/2022	Thorium-228	1.43E-03	5.50E-04	1.58E-03	pCi/m3	U
1207	606539011	11/28/2022	Thorium-228	1.45E-03	4.67E-04	8.70E-04	pCi/m3	U
1207	609493011	12/26/2022	Thorium-228	8.42E-04	6.83E-04	1.03E-03	pCi/m3	U
1207	571510009	1/24/2022	Thorium-230	3.54E-04	1.08E-03	2.43E-03	pCi/m3	U
1207	574141011	2/21/2022	Thorium-230	4.39E-03	1.27E-03	1.90E-03	pCi/m3	UI
1207	578170010	3/21/2022	Thorium-230	-1.44E-03	6.79E-04	2.01E-03	pCi/m3	U
1207	582160011	4/18/2022	Thorium-230	1.80E-03	8.04E-04	2.31E-03	pCi/m3	U
1207	585159011	5/16/2022	Thorium-230	-1.15E-03	6.58E-04	1.95E-03	pCi/m3	U
1207	587304011	6/13/2022	Thorium-230	-6.72E-04	5.94E-04	1.84E-03	pCi/m3	U
1207	592750011	7/11/2022	Thorium-230	2.39E-04	5.99E-04	1.95E-03	pCi/m3	U
1207	592751011	8/8/2022	Thorium-230	9.88E-04	9.68E-04	2.39E-03	pCi/m3	U
1207	600035011	9/5/2022	Thorium-230	7.19E-04	8.25E-04	1.86E-03	pCi/m3	U
1207	600037011	10/3/2022	Thorium-230	6.29E-04	5.69E-04	1.94E-03	pCi/m3	U
1207	606085011	10/31/2022	Thorium-230	1.39E-03	1.16E-03	1.21E-03	pCi/m3	UI
1207	606539011	11/28/2022	Thorium-230	1.50E-03	1.10E-03	1.44E-03	pCi/m3	UI
1207	609493011	12/26/2022	Thorium-230	5.70E-04	1.15E-03	1.95E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	571510009	1/24/2022	Thorium-232	2.27E-04	1.42E-03	4.76E-03	pCi/m3	U
1207	574141011	2/21/2022	Thorium-232	3.52E-04	1.06E-03	3.70E-03	pCi/m3	U
1207	578170010	3/21/2022	Thorium-232	2.86E-03	1.24E-03	5.13E-03	pCi/m3	U
1207	582160011	4/18/2022	Thorium-232	1.21E-03	1.20E-03	2.28E-03	pCi/m3	U
1207	585159011	5/16/2022	Thorium-232	-1.47E-04	1.42E-03	4.65E-03	pCi/m3	U
1207	587304011	6/13/2022	Thorium-232	3.83E-03	1.52E-03	4.31E-03	pCi/m3	U
1207	592750011	7/11/2022	Thorium-232	1.07E-03	1.41E-03	4.07E-03	pCi/m3	U
1207	592751011	8/8/2022	Thorium-232	-1.54E-03	1.34E-03	4.13E-03	pCi/m3	U
1207	600035011	9/5/2022	Thorium-232	-1.51E-03	1.37E-03	4.36E-03	pCi/m3	U
1207	600037011	10/3/2022	Thorium-232	-6.64E-04	1.43E-03	4.61E-03	pCi/m3	U
1207	606085011	10/31/2022	Thorium-232	3.32E-04	1.24E-03	4.09E-03	pCi/m3	U
1207	606539011	11/28/2022	Thorium-232	6.77E-03	1.58E-03	6.22E-03	pCi/m3	UI
1207	609493011	12/26/2022	Thorium-232	3.62E-03	1.63E-03	4.62E-03	pCi/m3	U
1207	571510009	1/24/2022	Thorium-234	2.55E-03	9.49E-03	3.31E-02	pCi/m3	U
1207	574141011	2/21/2022	Thorium-234	5.84E-03	1.19E-02	2.01E-02	pCi/m3	U
1207	578170010	3/21/2022	Thorium-234	-2.24E-03	1.63E-03	4.86E-03	pCi/m3	U
1207	582160011	4/18/2022	Thorium-234	9.39E-03	1.37E-02	2.83E-02	pCi/m3	U
1207	585159011	5/16/2022	Thorium-234	2.31E-02	1.78E-02	3.17E-02	pCi/m3	U
1207	587304011	6/13/2022	Thorium-234	2.26E-03	7.30E-03	1.40E-02	pCi/m3	U
1207	592750011	7/11/2022	Thorium-234	-4.65E-03	9.83E-03	3.11E-02	pCi/m3	U
1207	592751011	8/8/2022	Thorium-234	-3.04E-02	1.01E-02	2.91E-02	pCi/m3	U
1207	600035011	9/5/2022	Thorium-234	1.84E-02	1.50E-02	1.91E-02	pCi/m3	U
1207	600037011	10/3/2022	Thorium-234	4.08E-03	4.56E-03	5.71E-03	pCi/m3	U
1207	606085011	10/31/2022	Thorium-234	3.12E-04	6.30E-03	2.19E-02	pCi/m3	U
1207	606539011	11/28/2022	Thorium-234	4.91E-04	4.20E-03	5.44E-03	pCi/m3	U
1207	609493011	12/26/2022	Thorium-234	1.09E-02	1.77E-02	3.05E-02	pCi/m3	U
1207	571510009	1/24/2022	Uranium-234	3.54E-04	1.08E-03	2.43E-03	pCi/m3	U
1207	574141011	2/21/2022	Uranium-234	4.39E-03	1.27E-03	1.90E-03	pCi/m3	UI
1207	578170010	3/21/2022	Uranium-234	-1.44E-03	6.79E-04	2.01E-03	pCi/m3	U
1207	582160011	4/18/2022	Uranium-234	1.80E-03	8.04E-04	2.31E-03	pCi/m3	U
1207	585159011	5/16/2022	Uranium-234	-1.15E-03	6.58E-04	1.95E-03	pCi/m3	U
1207	587304011	6/13/2022	Uranium-234	-6.72E-04	5.94E-04	1.84E-03	pCi/m3	U
1207	592750011	7/11/2022	Uranium-234	2.39E-04	5.99E-04	1.95E-03	pCi/m3	U
1207	592751011	8/8/2022	Uranium-234	9.88E-04	9.68E-04	2.39E-03	pCi/m3	U
1207	600035011	9/5/2022	Uranium-234	7.19E-04	8.25E-04	1.86E-03	pCi/m3	U
1207	600037011	10/3/2022	Uranium-234	6.29E-04	5.69E-04	1.94E-03	pCi/m3	U
1207	606085011	10/31/2022	Uranium-234	1.39E-03	1.16E-03	1.21E-03	pCi/m3	UI
1207	606539011	11/28/2022	Uranium-234	1.50E-03	1.10E-03	1.44E-03	pCi/m3	UI
1207	609493011	12/26/2022	Uranium-234	5.70E-04	1.15E-03	1.95E-03	pCi/m3	U
1207	571510009	1/24/2022	Zinc-65	-8.90E-05	6.00E-04	1.90E-03	pCi/m3	U
1207	574141011	2/21/2022	Zinc-65	-4.35E-04	5.67E-04	1.61E-03	pCi/m3	U
1207	578170010	3/21/2022	Zinc-65	-2.60E-04	7.22E-04	2.24E-03	pCi/m3	U
1207	582160011	4/18/2022	Zinc-65	2.01E-03	9.41E-04	1.91E-03	pCi/m3	UI
1207	585159011	5/16/2022	Zinc-65	-4.58E-04	9.54E-04	2.50E-03	pCi/m3	U
1207	587304011	6/13/2022	Zinc-65	1.06E-03	6.15E-04	1.07E-03	pCi/m3	U
1207	592750011	7/11/2022	Zinc-65	2.99E-04	6.59E-04	2.30E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	592751011	8/8/2022	Zinc-65	6.90E-05	5.91E-04	2.01E-03	pCi/m3	U
1207	600035011	9/5/2022	Zinc-65	2.95E-04	5.40E-04	1.94E-03	pCi/m3	U
1207	600037011	10/3/2022	Zinc-65	1.10E-03	6.53E-04	2.63E-03	pCi/m3	U
1207	606085011	10/31/2022	Zinc-65	9.17E-05	5.89E-04	1.99E-03	pCi/m3	U
1207	606539011	11/28/2022	Zinc-65	1.34E-03	7.74E-04	3.04E-03	pCi/m3	U
1207	609493011	12/26/2022	Zinc-65	-2.64E-04	6.66E-04	2.15E-03	pCi/m3	U
1207	571510009	1/24/2022	Zirconium-95	-2.10E-04	6.48E-04	2.13E-03	pCi/m3	U
1207	574141011	2/21/2022	Zirconium-95	-3.43E-04	5.47E-04	1.68E-03	pCi/m3	U
1207	578170010	3/21/2022	Zirconium-95	2.87E-04	7.59E-04	2.67E-03	pCi/m3	U
1207	582160011	4/18/2022	Zirconium-95	6.07E-04	7.51E-04	2.60E-03	pCi/m3	U
1207	585159011	5/16/2022	Zirconium-95	-5.21E-04	6.23E-04	1.86E-03	pCi/m3	U
1207	587304011	6/13/2022	Zirconium-95	-7.98E-04	5.00E-04	1.40E-03	pCi/m3	U
1207	592750011	7/11/2022	Zirconium-95	-8.35E-04	8.37E-04	2.44E-03	pCi/m3	U
1207	592751011	8/8/2022	Zirconium-95	7.18E-05	7.42E-04	2.39E-03	pCi/m3	U
1207	600035011	9/5/2022	Zirconium-95	-7.27E-04	7.34E-04	2.11E-03	pCi/m3	U
1207	600037011	10/3/2022	Zirconium-95	-2.17E-04	7.66E-04	2.35E-03	pCi/m3	U
1207	606085011	10/31/2022	Zirconium-95	7.38E-05	7.58E-04	2.45E-03	pCi/m3	U
1207	606539011	11/28/2022	Zirconium-95	-1.57E-05	8.12E-04	2.58E-03	pCi/m3	U
1207	609493011	12/26/2022	Zirconium-95	8.99E-04	1.06E-03	2.19E-03	pCi/m3	U
1215	571510011	1/24/2022	Actinium-228	2.99E-04	1.03E-03	3.55E-03	pCi/m3	U
1215	574141008	2/21/2022	Actinium-228	-1.05E-03	1.25E-03	3.55E-03	pCi/m3	U
1215	578170007	3/21/2022	Actinium-228	-1.84E-03	1.37E-03	4.21E-03	pCi/m3	U
1215	582160008	4/18/2022	Actinium-228	4.87E-03	1.46E-03	4.49E-03	pCi/m3	UI
1215	585159008	5/16/2022	Actinium-228	-2.50E-04	1.26E-03	3.79E-03	pCi/m3	U
1215	587304008	6/13/2022	Actinium-228	1.82E-03	1.45E-03	5.06E-03	pCi/m3	U
1215	592750008	7/11/2022	Actinium-228	-1.75E-03	1.01E-03	2.90E-03	pCi/m3	U
1215	592751008	8/8/2022	Actinium-228	1.38E-03	2.60E-03	5.83E-03	pCi/m3	U
1215	600035008	9/5/2022	Actinium-228	8.25E-04	1.25E-03	4.22E-03	pCi/m3	U
1215	600037008	10/3/2022	Actinium-228	4.78E-03	1.49E-03	3.72E-03	pCi/m3	UI
1215	606085008	10/31/2022	Actinium-228	-1.09E-03	1.31E-03	4.03E-03	pCi/m3	U
1215	606539008	11/28/2022	Actinium-228	1.79E-04	1.90E-03	4.51E-03	pCi/m3	U
1215	609493008	12/26/2022	Actinium-228	2.38E-03	1.35E-03	4.67E-03	pCi/m3	U
1215	571510011	1/24/2022	Americium-241	4.81E-05	5.63E-04	1.74E-03	pCi/m3	U
1215	574141008	2/21/2022	Americium-241	-2.74E-04	6.61E-04	2.16E-03	pCi/m3	U
1215	578170007	3/21/2022	Americium-241	-8.97E-04	7.64E-04	2.47E-03	pCi/m3	U
1215	582160008	4/18/2022	Americium-241	6.97E-04	7.95E-04	2.92E-03	pCi/m3	U
1215	585159008	5/16/2022	Americium-241	6.26E-08	1.16E-03	3.86E-03	pCi/m3	U
1215	587304008	6/13/2022	Americium-241	2.72E-04	8.38E-04	2.67E-03	pCi/m3	U
1215	592750008	7/11/2022	Americium-241	-8.94E-04	1.17E-03	3.46E-03	pCi/m3	U
1215	592751008	8/8/2022	Americium-241	-3.26E-04	2.05E-04	5.40E-04	pCi/m3	U
1215	600035008	9/5/2022	Americium-241	-2.37E-04	2.40E-04	6.75E-04	pCi/m3	U
1215	600037008	10/3/2022	Americium-241	6.25E-04	1.17E-03	3.78E-03	pCi/m3	U
1215	606085008	10/31/2022	Americium-241	-6.45E-04	1.17E-03	3.38E-03	pCi/m3	U
1215	606539008	11/28/2022	Americium-241	8.54E-05	1.24E-03	4.18E-03	pCi/m3	U
1215	609493008	12/26/2022	Americium-241	6.32E-04	1.34E-03	4.58E-03	pCi/m3	U
1215	571510011	1/24/2022	Antimony-124	2.55E-04	8.16E-04	2.80E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	574141008	2/21/2022	Antimony-124	1.28E-03	5.72E-04	2.66E-03	pCi/m3	U
1215	578170007	3/21/2022	Antimony-124	-3.79E-05	1.01E-03	3.25E-03	pCi/m3	U
1215	582160008	4/18/2022	Antimony-124	2.08E-03	1.27E-03	5.21E-03	pCi/m3	U
1215	585159008	5/16/2022	Antimony-124	6.58E-04	1.01E-03	3.53E-03	pCi/m3	U
1215	587304008	6/13/2022	Antimony-124	1.51E-03	9.99E-04	4.12E-03	pCi/m3	U
1215	592750008	7/11/2022	Antimony-124	-4.03E-04	9.61E-04	2.86E-03	pCi/m3	U
1215	592751008	8/8/2022	Antimony-124	5.05E-05	8.43E-04	2.86E-03	pCi/m3	U
1215	600035008	9/5/2022	Antimony-124	5.49E-04	1.45E-03	5.02E-03	pCi/m3	U
1215	600037008	10/3/2022	Antimony-124	-5.63E-04	5.83E-04	1.39E-03	pCi/m3	U
1215	606085008	10/31/2022	Antimony-124	-2.31E-04	1.11E-03	3.45E-03	pCi/m3	U
1215	606539008	11/28/2022	Antimony-124	-1.74E-04	8.99E-04	2.88E-03	pCi/m3	U
1215	609493008	12/26/2022	Antimony-124	6.71E-04	1.46E-03	5.06E-03	pCi/m3	U
1215	571510011	1/24/2022	Antimony-125	-3.24E-04	4.16E-04	1.24E-03	pCi/m3	U
1215	574141008	2/21/2022	Antimony-125	2.87E-04	6.39E-04	2.20E-03	pCi/m3	U
1215	578170007	3/21/2022	Antimony-125	3.11E-04	6.62E-04	2.34E-03	pCi/m3	U
1215	582160008	4/18/2022	Antimony-125	-1.76E-04	6.01E-04	1.97E-03	pCi/m3	U
1215	585159008	5/16/2022	Antimony-125	6.50E-05	4.79E-04	1.64E-03	pCi/m3	U
1215	587304008	6/13/2022	Antimony-125	3.84E-04	6.70E-04	2.31E-03	pCi/m3	U
1215	592750008	7/11/2022	Antimony-125	-4.82E-04	4.30E-04	1.31E-03	pCi/m3	U
1215	592751008	8/8/2022	Antimony-125	1.25E-03	6.10E-04	2.22E-03	pCi/m3	U
1215	600035008	9/5/2022	Antimony-125	2.50E-03	1.19E-03	2.11E-03	pCi/m3	UI
1215	600037008	10/3/2022	Antimony-125	4.85E-04	5.52E-04	1.98E-03	pCi/m3	U
1215	606085008	10/31/2022	Antimony-125	4.43E-04	6.57E-04	2.25E-03	pCi/m3	U
1215	606539008	11/28/2022	Antimony-125	-3.65E-04	5.19E-04	1.57E-03	pCi/m3	U
1215	609493008	12/26/2022	Antimony-125	-5.62E-04	6.08E-04	1.90E-03	pCi/m3	U
1215	571510011	1/24/2022	Barium-140	-3.68E-03	4.25E-03	1.14E-02	pCi/m3	U
1215	574141008	2/21/2022	Barium-140	2.67E-03	4.41E-03	1.53E-02	pCi/m3	U
1215	578170007	3/21/2022	Barium-140	1.61E-02	7.23E-03	2.92E-02	pCi/m3	U
1215	582160008	4/18/2022	Barium-140	-1.42E-02	1.81E-02	5.46E-02	pCi/m3	U
1215	585159008	5/16/2022	Barium-140	-7.21E-03	1.09E-02	3.44E-02	pCi/m3	U
1215	587304008	6/13/2022	Barium-140	1.75E-03	9.39E-03	3.11E-02	pCi/m3	U
1215	592750008	7/11/2022	Barium-140	-1.78E-02	3.10E-02	9.80E-02	pCi/m3	U
1215	592751008	8/8/2022	Barium-140	2.15E-02	1.01E-02	3.85E-02	pCi/m3	U
1215	600035008	9/5/2022	Barium-140	-2.64E-02	2.49E-02	7.21E-02	pCi/m3	U
1215	600037008	10/3/2022	Barium-140	2.47E-03	5.10E-03	1.77E-02	pCi/m3	U
1215	606085008	10/31/2022	Barium-140	-1.34E-02	3.05E-02	8.26E-02	pCi/m3	U
1215	606539008	11/28/2022	Barium-140	5.69E-03	7.98E-03	2.77E-02	pCi/m3	U
1215	609493008	12/26/2022	Barium-140	-1.05E-02	8.12E-03	2.35E-02	pCi/m3	U
1215	571510011	1/24/2022	Beryllium-7	1.01E-01	7.59E-03	6.63E-03	pCi/m3	U
1215	574141008	2/21/2022	Beryllium-7	1.25E-01	8.46E-03	1.01E-02	pCi/m3	U
1215	578170007	3/21/2022	Beryllium-7	9.37E-02	1.19E-02	1.27E-02	pCi/m3	U
1215	582160008	4/18/2022	Beryllium-7	1.22E-01	1.13E-02	1.46E-02	pCi/m3	U
1215	585159008	5/16/2022	Beryllium-7	1.16E-01	8.98E-03	9.37E-03	pCi/m3	U
1215	587304008	6/13/2022	Beryllium-7	1.31E-01	9.61E-03	1.17E-02	pCi/m3	U
1215	592750008	7/11/2022	Beryllium-7	1.26E-01	1.11E-02	1.31E-02	pCi/m3	U
1215	592751008	8/8/2022	Beryllium-7	9.08E-02	1.12E-02	1.16E-02	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	600035008	9/5/2022	Beryllium-7	9.95E-02	1.13E-02	1.31E-02	pCi/m3	
1215	600037008	10/3/2022	Beryllium-7	1.03E-01	7.80E-03	9.37E-03	pCi/m3	
1215	606085008	10/31/2022	Beryllium-7	1.46E-01	1.13E-02	1.24E-02	pCi/m3	
1215	606539008	11/28/2022	Beryllium-7	9.70E-02	7.48E-03	9.50E-03	pCi/m3	
1215	609493008	12/26/2022	Beryllium-7	7.99E-02	7.80E-03	1.33E-02	pCi/m3	
1215	566163019	1/3/2022	BETA	2.33E-02	1.44E-03	1.56E-03	pCi/m3	
1215	566828015	1/10/2022	BETA	4.57E-02	1.95E-03	1.59E-03	pCi/m3	
1215	567642017	1/18/2022	BETA	4.68E-02	1.80E-03	1.28E-03	pCi/m3	
1215	568219029	1/24/2022	BETA	4.55E-02	2.13E-03	1.92E-03	pCi/m3	
1215	568939017	1/31/2022	BETA	4.91E-02	2.03E-03	1.58E-03	pCi/m3	
1215	569538023	2/7/2022	BETA	4.45E-02	1.97E-03	1.76E-03	pCi/m3	
1215	570263017	2/14/2022	BETA	4.27E-02	1.85E-03	1.42E-03	pCi/m3	
1215	571003019	2/21/2022	BETA	4.01E-02	1.87E-03	1.68E-03	pCi/m3	
1215	571635015	2/28/2022	BETA	3.01E-02	1.58E-03	1.48E-03	pCi/m3	
1215	572313017	3/7/2022	BETA	6.34E-02	2.33E-03	1.69E-03	pCi/m3	
1215	573042019	3/14/2022	BETA	2.85E-02	1.56E-03	1.46E-03	pCi/m3	
1215	573808013	3/21/2022	BETA	2.71E-02	1.52E-03	1.50E-03	pCi/m3	
1215	574541017	3/28/2022	BETA	2.19E-02	1.38E-03	1.46E-03	pCi/m3	
1215	575128015	4/4/2022	BETA	3.47E-02	1.74E-03	1.56E-03	pCi/m3	
1215	576089015	4/11/2022	BETA	2.80E-02	1.58E-03	1.55E-03	pCi/m3	
1215	576842015	4/18/2022	BETA	3.30E-02	1.74E-03	1.70E-03	pCi/m3	
1215	577600015	4/25/2022	BETA	3.71E-02	1.77E-03	1.53E-03	pCi/m3	
1215	578408015	5/3/2022	BETA	3.51E-02	1.66E-03	1.38E-03	pCi/m3	
1215	579260019	5/9/2022	BETA	2.60E-02	1.68E-03	1.82E-03	pCi/m3	
1215	580039015	5/16/2022	BETA	3.78E-02	1.83E-03	1.62E-03	pCi/m3	
1215	580690015	5/23/2022	BETA	4.32E-02	1.97E-03	1.75E-03	pCi/m3	
1215	581375015	5/30/2022	BETA	2.69E-02	1.60E-03	1.77E-03	pCi/m3	
1215	581944007	6/6/2022	BETA	3.02E-02	1.45E-03	1.23E-03	pCi/m3	
1215	582792015	6/13/2022	BETA	3.02E-02	1.47E-03	1.44E-03	pCi/m3	
1215	583523017	6/20/2022	BETA	3.12E-02	1.47E-03	1.27E-03	pCi/m3	
1215	584133015	6/27/2022	BETA	4.20E-02	1.71E-03	1.24E-03	pCi/m3	
1215	584820015	7/4/2022	BETA	2.39E-02	1.29E-03	1.28E-03	pCi/m3	
1215	585556015	7/11/2022	BETA	2.51E-02	1.34E-03	1.25E-03	pCi/m3	
1215	586336015	7/18/2022	BETA	3.54E-02	1.57E-03	1.25E-03	pCi/m3	
1215	587158015	7/25/2022	BETA	3.09E-02	1.47E-03	1.29E-03	pCi/m3	
1215	587887015	8/1/2022	BETA	1.93E-02	1.18E-03	1.24E-03	pCi/m3	
1215	588821017	8/8/2022	BETA	2.25E-02	1.28E-03	1.28E-03	pCi/m3	
1215	589631017	8/15/2022	BETA	3.14E-02	1.51E-03	1.46E-03	pCi/m3	
1215	590529015	8/22/2022	BETA	4.57E-02	1.77E-03	1.27E-03	pCi/m3	
1215	590546019	8/29/2022	BETA	2.60E-02	1.35E-03	1.24E-03	pCi/m3	
1215	592023015	9/5/2022	BETA	2.79E-02	1.40E-03	1.26E-03	pCi/m3	
1215	592701015	9/12/2022	BETA	2.63E-02	1.35E-03	1.20E-03	pCi/m3	
1215	593604017	9/19/2022	BETA	4.54E-02	1.77E-03	1.22E-03	pCi/m3	
1215	594422015	9/26/2022	BETA	5.04E-02	1.88E-03	1.38E-03	pCi/m3	
1215	594990015	10/3/2022	BETA	2.59E-02	1.35E-03	1.22E-03	pCi/m3	
1215	596158015	10/10/2022	BETA	4.52E-02	1.79E-03	1.39E-03	pCi/m3	

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	597076015	10/17/2022	BETA	4.42E-02	1.75E-03	1.21E-03	pCi/m3	
1215	597935015	10/24/2022	BETA	4.22E-02	1.71E-03	1.24E-03	pCi/m3	
1215	598808015	10/31/2022	BETA	3.01E-02	1.47E-03	1.26E-03	pCi/m3	
1215	599716015	11/7/2022	BETA	5.35E-02	1.91E-03	1.23E-03	pCi/m3	
1215	600681015	11/14/2022	BETA	3.08E-02	1.47E-03	1.22E-03	pCi/m3	
1215	601449015	11/21/2022	BETA	4.90E-02	1.85E-03	1.25E-03	pCi/m3	
1215	602125019	11/28/2022	BETA	4.88E-02	1.85E-03	1.25E-03	pCi/m3	
1215	602823021	12/5/2022	BETA	4.07E-02	1.71E-03	1.38E-03	pCi/m3	
1215	603758015	12/12/2022	BETA	2.54E-02	1.36E-03	1.26E-03	pCi/m3	
1215	604618017	12/19/2022	BETA	3.93E-02	1.67E-03	1.23E-03	pCi/m3	
1215	605325015	12/26/2022	BETA	3.26E-02	1.56E-03	1.36E-03	pCi/m3	
1215	571510011	1/24/2022	Bismuth-214	3.79E-04	8.63E-04	1.26E-03	pCi/m3	U
1215	574141008	2/21/2022	Bismuth-214	5.05E-04	6.96E-04	2.18E-03	pCi/m3	U
1215	578170007	3/21/2022	Bismuth-214	2.04E-03	1.13E-03	3.18E-03	pCi/m3	U
1215	582160008	4/18/2022	Bismuth-214	7.85E-04	6.67E-04	2.34E-03	pCi/m3	U
1215	585159008	5/16/2022	Bismuth-214	-1.83E-03	6.03E-04	1.75E-03	pCi/m3	U
1215	587304008	6/13/2022	Bismuth-214	1.62E-03	6.86E-04	1.97E-03	pCi/m3	U
1215	592750008	7/11/2022	Bismuth-214	-2.05E-04	6.03E-04	1.89E-03	pCi/m3	U
1215	592751008	8/8/2022	Bismuth-214	2.39E-04	6.11E-04	1.86E-03	pCi/m3	U
1215	600035008	9/5/2022	Bismuth-214	-4.96E-04	7.03E-04	1.98E-03	pCi/m3	U
1215	600037008	10/3/2022	Bismuth-214	-2.66E-04	5.64E-04	1.69E-03	pCi/m3	U
1215	606085008	10/31/2022	Bismuth-214	1.32E-04	6.53E-04	2.22E-03	pCi/m3	U
1215	606539008	11/28/2022	Bismuth-214	-8.71E-04	6.71E-04	2.20E-03	pCi/m3	U
1215	609493008	12/26/2022	Bismuth-214	-2.63E-04	6.55E-04	1.98E-03	pCi/m3	U
1215	571510011	1/24/2022	Cerium-141	-3.31E-04	4.33E-04	1.33E-03	pCi/m3	U
1215	574141008	2/21/2022	Cerium-141	-3.01E-04	4.77E-04	1.49E-03	pCi/m3	U
1215	578170007	3/21/2022	Cerium-141	-8.89E-04	6.83E-04	1.92E-03	pCi/m3	U
1215	582160008	4/18/2022	Cerium-141	9.26E-04	7.12E-04	2.53E-03	pCi/m3	U
1215	585159008	5/16/2022	Cerium-141	-1.54E-03	9.03E-04	2.04E-03	pCi/m3	U
1215	587304008	6/13/2022	Cerium-141	7.97E-05	6.36E-04	1.90E-03	pCi/m3	U
1215	592750008	7/11/2022	Cerium-141	-1.72E-03	1.03E-03	3.02E-03	pCi/m3	U
1215	592751008	8/8/2022	Cerium-141	-6.67E-04	4.82E-04	1.44E-03	pCi/m3	U
1215	600035008	9/5/2022	Cerium-141	2.28E-04	8.92E-04	2.87E-03	pCi/m3	U
1215	600037008	10/3/2022	Cerium-141	-2.19E-04	4.87E-04	1.54E-03	pCi/m3	U
1215	606085008	10/31/2022	Cerium-141	7.21E-04	2.44E-03	3.28E-03	pCi/m3	U
1215	606539008	11/28/2022	Cerium-141	3.16E-05	8.86E-04	1.96E-03	pCi/m3	U
1215	609493008	12/26/2022	Cerium-141	-5.09E-04	8.72E-04	2.33E-03	pCi/m3	U
1215	571510011	1/24/2022	Cerium-144	-4.40E-04	8.09E-04	2.52E-03	pCi/m3	U
1215	574141008	2/21/2022	Cerium-144	1.02E-03	1.12E-03	3.55E-03	pCi/m3	U
1215	578170007	3/21/2022	Cerium-144	1.43E-03	1.24E-03	4.37E-03	pCi/m3	U
1215	582160008	4/18/2022	Cerium-144	-8.30E-04	1.02E-03	3.24E-03	pCi/m3	U
1215	585159008	5/16/2022	Cerium-144	-1.67E-03	1.12E-03	3.21E-03	pCi/m3	U
1215	587304008	6/13/2022	Cerium-144	-8.15E-04	1.09E-03	3.37E-03	pCi/m3	U
1215	592750008	7/11/2022	Cerium-144	-1.28E-04	1.16E-03	3.77E-03	pCi/m3	U
1215	592751008	8/8/2022	Cerium-144	-6.66E-04	8.27E-04	2.58E-03	pCi/m3	U
1215	600035008	9/5/2022	Cerium-144	7.52E-04	1.11E-03	3.66E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	600037008	10/3/2022	Cerium-144	-1.40E-03	1.01E-03	3.03E-03	pCi/m3	U
1215	606085008	10/31/2022	Cerium-144	1.49E-03	2.63E-03	4.62E-03	pCi/m3	U
1215	606539008	11/28/2022	Cerium-144	6.95E-04	1.00E-03	3.31E-03	pCi/m3	U
1215	609493008	12/26/2022	Cerium-144	3.61E-03	1.60E-03	3.37E-03	pCi/m3	UI
1215	571510011	1/24/2022	Cesium-134	3.19E-04	2.19E-04	8.11E-04	pCi/m3	U
1215	574141008	2/21/2022	Cesium-134	1.12E-03	5.85E-04	1.05E-03	pCi/m3	UI
1215	578170007	3/21/2022	Cesium-134	-4.85E-06	3.46E-04	1.12E-03	pCi/m3	U
1215	582160008	4/18/2022	Cesium-134	4.43E-04	2.88E-04	1.11E-03	pCi/m3	U
1215	585159008	5/16/2022	Cesium-134	2.45E-04	2.44E-04	8.78E-04	pCi/m3	U
1215	587304008	6/13/2022	Cesium-134	-4.53E-04	3.63E-04	9.63E-04	pCi/m3	U
1215	592750008	7/11/2022	Cesium-134	-1.59E-04	2.99E-04	9.22E-04	pCi/m3	U
1215	592751008	8/8/2022	Cesium-134	1.97E-04	2.35E-04	8.81E-04	pCi/m3	U
1215	600035008	9/5/2022	Cesium-134	3.02E-05	3.07E-04	9.91E-04	pCi/m3	U
1215	600037008	10/3/2022	Cesium-134	-1.73E-04	2.09E-04	6.00E-04	pCi/m3	U
1215	606085008	10/31/2022	Cesium-134	-7.08E-06	3.23E-04	9.06E-04	pCi/m3	U
1215	606539008	11/28/2022	Cesium-134	5.99E-04	2.60E-04	9.12E-04	pCi/m3	U
1215	609493008	12/26/2022	Cesium-134	-1.48E-04	3.05E-04	9.29E-04	pCi/m3	U
1215	571510011	1/24/2022	Cesium-137	2.54E-04	1.93E-04	7.04E-04	pCi/m3	U
1215	574141008	2/21/2022	Cesium-137	1.32E-04	2.43E-04	8.31E-04	pCi/m3	U
1215	578170007	3/21/2022	Cesium-137	2.11E-04	3.96E-04	9.23E-04	pCi/m3	U
1215	582160008	4/18/2022	Cesium-137	2.36E-04	3.15E-04	9.37E-04	pCi/m3	U
1215	585159008	5/16/2022	Cesium-137	7.49E-05	2.18E-04	7.27E-04	pCi/m3	U
1215	587304008	6/13/2022	Cesium-137	8.21E-05	2.45E-04	8.15E-04	pCi/m3	U
1215	592750008	7/11/2022	Cesium-137	1.09E-04	1.98E-04	6.89E-04	pCi/m3	U
1215	592751008	8/8/2022	Cesium-137	-1.17E-04	3.42E-04	1.01E-03	pCi/m3	U
1215	600035008	9/5/2022	Cesium-137	-1.54E-04	2.79E-04	8.53E-04	pCi/m3	U
1215	600037008	10/3/2022	Cesium-137	2.25E-04	2.49E-04	8.81E-04	pCi/m3	U
1215	606085008	10/31/2022	Cesium-137	1.52E-04	4.42E-04	7.76E-04	pCi/m3	U
1215	606539008	11/28/2022	Cesium-137	4.70E-04	2.30E-04	8.47E-04	pCi/m3	U
1215	609493008	12/26/2022	Cesium-137	1.94E-04	2.74E-04	9.52E-04	pCi/m3	U
1215	571510011	1/24/2022	Chromium-51	2.49E-04	3.28E-03	1.12E-02	pCi/m3	U
1215	574141008	2/21/2022	Chromium-51	-2.00E-03	4.09E-03	1.22E-02	pCi/m3	U
1215	578170007	3/21/2022	Chromium-51	-1.94E-03	5.81E-03	1.78E-02	pCi/m3	U
1215	582160008	4/18/2022	Chromium-51	1.13E-02	6.13E-03	2.33E-02	pCi/m3	U
1215	585159008	5/16/2022	Chromium-51	-6.26E-03	5.92E-03	1.73E-02	pCi/m3	U
1215	587304008	6/13/2022	Chromium-51	5.26E-04	4.75E-03	1.62E-02	pCi/m3	U
1215	592750008	7/11/2022	Chromium-51	1.23E-02	9.01E-03	3.09E-02	pCi/m3	U
1215	592751008	8/8/2022	Chromium-51	5.35E-03	4.95E-03	1.79E-02	pCi/m3	U
1215	600035008	9/5/2022	Chromium-51	-1.30E-02	8.27E-03	2.51E-02	pCi/m3	U
1215	600037008	10/3/2022	Chromium-51	-3.30E-03	3.71E-03	1.07E-02	pCi/m3	U
1215	606085008	10/31/2022	Chromium-51	8.41E-03	7.98E-03	2.82E-02	pCi/m3	U
1215	606539008	11/28/2022	Chromium-51	3.79E-03	4.37E-03	1.49E-02	pCi/m3	U
1215	609493008	12/26/2022	Chromium-51	9.29E-03	4.93E-03	1.86E-02	pCi/m3	U
1215	571510011	1/24/2022	Cobalt-57	-4.00E-05	1.06E-04	3.36E-04	pCi/m3	U
1215	574141008	2/21/2022	Cobalt-57	3.75E-05	1.35E-04	4.12E-04	pCi/m3	U
1215	578170007	3/21/2022	Cobalt-57	9.51E-05	1.53E-04	5.28E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	582160008	4/18/2022	Cobalt-57	-1.54E-04	1.12E-04	3.41E-04	pCi/m3	U
1215	585159008	5/16/2022	Cobalt-57	3.49E-04	1.49E-04	5.22E-04	pCi/m3	U
1215	587304008	6/13/2022	Cobalt-57	8.71E-05	1.29E-04	4.35E-04	pCi/m3	U
1215	592750008	7/11/2022	Cobalt-57	-3.29E-06	1.41E-04	4.60E-04	pCi/m3	U
1215	592751008	8/8/2022	Cobalt-57	-1.21E-04	1.13E-04	3.50E-04	pCi/m3	U
1215	600035008	9/5/2022	Cobalt-57	-1.75E-04	1.51E-04	4.49E-04	pCi/m3	U
1215	600037008	10/3/2022	Cobalt-57	6.38E-05	1.24E-04	4.17E-04	pCi/m3	U
1215	606085008	10/31/2022	Cobalt-57	-1.06E-04	1.45E-04	4.79E-04	pCi/m3	U
1215	606539008	11/28/2022	Cobalt-57	-1.05E-05	1.53E-04	4.87E-04	pCi/m3	U
1215	609493008	12/26/2022	Cobalt-57	-3.14E-04	1.69E-04	4.90E-04	pCi/m3	U
1215	571510011	1/24/2022	Cobalt-58	1.91E-04	2.62E-04	9.12E-04	pCi/m3	U
1215	574141008	2/21/2022	Cobalt-58	7.74E-04	4.52E-04	7.55E-04	pCi/m3	UI
1215	578170007	3/21/2022	Cobalt-58	7.53E-05	3.19E-04	1.07E-03	pCi/m3	U
1215	582160008	4/18/2022	Cobalt-58	-5.84E-04	4.84E-04	1.18E-03	pCi/m3	U
1215	585159008	5/16/2022	Cobalt-58	-1.18E-04	3.33E-04	1.09E-03	pCi/m3	U
1215	587304008	6/13/2022	Cobalt-58	-6.16E-04	2.85E-04	6.72E-04	pCi/m3	U
1215	592750008	7/11/2022	Cobalt-58	2.31E-04	2.97E-04	1.08E-03	pCi/m3	U
1215	592751008	8/8/2022	Cobalt-58	1.44E-04	4.31E-04	1.35E-03	pCi/m3	U
1215	600035008	9/5/2022	Cobalt-58	1.37E-04	4.71E-04	1.55E-03	pCi/m3	U
1215	600037008	10/3/2022	Cobalt-58	-5.04E-04	3.28E-04	8.68E-04	pCi/m3	U
1215	606085008	10/31/2022	Cobalt-58	1.34E-04	5.68E-04	1.65E-03	pCi/m3	U
1215	606539008	11/28/2022	Cobalt-58	-6.20E-05	3.30E-04	8.98E-04	pCi/m3	U
1215	609493008	12/26/2022	Cobalt-58	-4.98E-04	4.36E-04	1.24E-03	pCi/m3	U
1215	571510011	1/24/2022	Cobalt-60	-2.31E-04	2.21E-04	6.30E-04	pCi/m3	U
1215	574141008	2/21/2022	Cobalt-60	4.05E-04	2.84E-04	1.09E-03	pCi/m3	U
1215	578170007	3/21/2022	Cobalt-60	-9.19E-05	3.54E-04	1.13E-03	pCi/m3	U
1215	582160008	4/18/2022	Cobalt-60	-2.13E-04	2.29E-04	5.72E-04	pCi/m3	U
1215	585159008	5/16/2022	Cobalt-60	-2.10E-04	2.18E-04	6.56E-04	pCi/m3	U
1215	587304008	6/13/2022	Cobalt-60	-1.88E-04	3.31E-04	9.90E-04	pCi/m3	U
1215	592750008	7/11/2022	Cobalt-60	-7.92E-05	1.85E-04	5.69E-04	pCi/m3	U
1215	592751008	8/8/2022	Cobalt-60	5.69E-05	3.75E-04	1.24E-03	pCi/m3	U
1215	600035008	9/5/2022	Cobalt-60	-4.14E-04	2.52E-04	5.61E-04	pCi/m3	U
1215	600037008	10/3/2022	Cobalt-60	1.59E-04	2.48E-04	9.06E-04	pCi/m3	U
1215	606085008	10/31/2022	Cobalt-60	-5.68E-05	3.44E-04	1.12E-03	pCi/m3	U
1215	606539008	11/28/2022	Cobalt-60	-3.14E-04	2.55E-04	7.60E-04	pCi/m3	U
1215	609493008	12/26/2022	Cobalt-60	-4.93E-04	3.54E-04	1.04E-03	pCi/m3	U
1215	571510011	1/24/2022	Iron-59	-7.95E-05	6.55E-04	2.19E-03	pCi/m3	U
1215	574141008	2/21/2022	Iron-59	9.58E-04	9.42E-04	2.04E-03	pCi/m3	U
1215	578170007	3/21/2022	Iron-59	8.39E-04	7.85E-04	2.99E-03	pCi/m3	U
1215	582160008	4/18/2022	Iron-59	-3.90E-04	1.30E-03	4.09E-03	pCi/m3	U
1215	585159008	5/16/2022	Iron-59	-9.00E-04	8.93E-04	2.64E-03	pCi/m3	U
1215	587304008	6/13/2022	Iron-59	1.01E-03	7.75E-04	3.04E-03	pCi/m3	U
1215	592750008	7/11/2022	Iron-59	7.87E-04	1.46E-03	4.95E-03	pCi/m3	U
1215	592751008	8/8/2022	Iron-59	-4.39E-04	1.23E-03	3.88E-03	pCi/m3	U
1215	600035008	9/5/2022	Iron-59	2.56E-05	1.30E-03	4.38E-03	pCi/m3	U
1215	600037008	10/3/2022	Iron-59	-5.47E-04	7.99E-04	2.28E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1215	606085008	10/31/2022	Iron-59	-2.48E-05	1.52E-03	5.08E-03	pCi/m3	U
1215	606539008	11/28/2022	Iron-59	1.20E-03	7.16E-04	2.72E-03	pCi/m3	U
1215	609493008	12/26/2022	Iron-59	-1.42E-03	9.57E-04	2.62E-03	pCi/m3	U
1215	571510011	1/24/2022	Lanthanum-140	6.04E-04	1.99E-03	6.84E-03	pCi/m3	U
1215	574141008	2/21/2022	Lanthanum-140	-1.52E-03	1.35E-03	3.36E-03	pCi/m3	U
1215	578170007	3/21/2022	Lanthanum-140	-1.27E-03	3.40E-03	1.03E-02	pCi/m3	U
1215	582160008	4/18/2022	Lanthanum-140	1.88E-02	1.15E-02	4.19E-02	pCi/m3	U
1215	585159008	5/16/2022	Lanthanum-140	1.94E-03	3.90E-03	1.37E-02	pCi/m3	U
1215	587304008	6/13/2022	Lanthanum-140	-4.55E-03	4.64E-03	1.26E-02	pCi/m3	U
1215	592750008	7/11/2022	Lanthanum-140	-8.79E-03	8.93E-03	2.12E-02	pCi/m3	U
1215	592751008	8/8/2022	Lanthanum-140	-2.07E-03	4.09E-03	1.26E-02	pCi/m3	U
1215	600035008	9/5/2022	Lanthanum-140	-1.31E-02	1.49E-02	4.28E-02	pCi/m3	U
1215	600037008	10/3/2022	Lanthanum-140	-4.47E-04	1.86E-03	5.89E-03	pCi/m3	U
1215	606085008	10/31/2022	Lanthanum-140	-1.22E-02	1.30E-02	3.61E-02	pCi/m3	U
1215	606539008	11/28/2022	Lanthanum-140	4.35E-05	2.79E-03	9.22E-03	pCi/m3	U
1215	609493008	12/26/2022	Lanthanum-140	-2.80E-03	4.27E-03	1.27E-02	pCi/m3	U
1215	571510011	1/24/2022	Lead-210	4.77E-02	2.11E-02	3.99E-02	pCi/m3	UI
1215	574141008	2/21/2022	Lead-210	-2.27E-02	2.43E-02	7.44E-02	pCi/m3	U
1215	578170007	3/21/2022	Lead-210	3.68E-02	2.33E-02	8.69E-02	pCi/m3	U
1215	582160008	4/18/2022	Lead-210	-8.95E-02	4.12E-02	9.96E-02	pCi/m3	U
1215	585159008	5/16/2022	Lead-210	3.17E-02	3.93E-02	1.36E-01	pCi/m3	U
1215	587304008	6/13/2022	Lead-210	-3.72E-02	3.17E-02	9.16E-02	pCi/m3	U
1215	592750008	7/11/2022	Lead-210	1.15E-01	8.17E-02	1.67E-01	pCi/m3	U
1215	592751008	8/8/2022	Lead-210	1.04E-02	3.66E-03	4.93E-03	pCi/m3	U
1215	600035008	9/5/2022	Lead-210	1.67E-02	4.40E-03	5.93E-03	pCi/m3	U
1215	600037008	10/3/2022	Lead-210	1.17E-01	8.32E-02	1.45E-01	pCi/m3	U
1215	606085008	10/31/2022	Lead-210	-2.44E-04	2.92E-02	9.21E-02	pCi/m3	U
1215	606539008	11/28/2022	Lead-210	1.23E-01	7.34E-02	1.29E-01	pCi/m3	U
1215	609493008	12/26/2022	Lead-210	-1.22E-02	7.39E-02	2.13E-01	pCi/m3	U
1215	571510011	1/24/2022	Lead-212	8.30E-04	3.78E-04	1.28E-03	pCi/m3	U
1215	574141008	2/21/2022	Lead-212	5.37E-04	7.62E-04	1.14E-03	pCi/m3	U
1215	578170007	3/21/2022	Lead-212	2.37E-03	7.75E-04	2.11E-03	pCi/m3	UI
1215	582160008	4/18/2022	Lead-212	8.69E-04	6.40E-04	1.33E-03	pCi/m3	U
1215	585159008	5/16/2022	Lead-212	6.86E-04	7.14E-04	1.44E-03	pCi/m3	U
1215	587304008	6/13/2022	Lead-212	9.74E-04	7.51E-04	1.12E-03	pCi/m3	U
1215	592750008	7/11/2022	Lead-212	-3.40E-04	4.22E-04	1.26E-03	pCi/m3	U
1215	592751008	8/8/2022	Lead-212	3.13E-04	3.92E-04	1.22E-03	pCi/m3	U
1215	600035008	9/5/2022	Lead-212	-1.18E-04	4.94E-04	1.71E-03	pCi/m3	U
1215	600037008	10/3/2022	Lead-212	9.08E-05	3.97E-04	1.27E-03	pCi/m3	U
1215	606085008	10/31/2022	Lead-212	1.46E-04	6.65E-04	1.18E-03	pCi/m3	U
1215	606539008	11/28/2022	Lead-212	1.29E-03	5.72E-04	9.86E-04	pCi/m3	UI
1215	609493008	12/26/2022	Lead-212	8.06E-04	8.92E-04	1.75E-03	pCi/m3	U
1215	571510011	1/24/2022	Lead-214	8.75E-04	6.15E-04	1.41E-03	pCi/m3	U
1215	574141008	2/21/2022	Lead-214	1.72E-03	1.05E-03	1.86E-03	pCi/m3	U
1215	578170007	3/21/2022	Lead-214	1.79E-03	8.38E-04	2.35E-03	pCi/m3	U
1215	582160008	4/18/2022	Lead-214	-5.97E-05	5.12E-04	1.64E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	585159008	5/16/2022	Lead-214	8.84E-04	8.72E-04	1.88E-03	pCi/m3	U
1215	587304008	6/13/2022	Lead-214	1.26E-03	1.01E-03	2.05E-03	pCi/m3	U
1215	592750008	7/11/2022	Lead-214	1.11E-03	7.55E-04	1.78E-03	pCi/m3	U
1215	592751008	8/8/2022	Lead-214	4.39E-04	5.38E-04	1.69E-03	pCi/m3	U
1215	600035008	9/5/2022	Lead-214	-2.41E-04	5.47E-04	1.60E-03	pCi/m3	U
1215	600037008	10/3/2022	Lead-214	5.08E-04	8.23E-04	1.52E-03	pCi/m3	U
1215	606085008	10/31/2022	Lead-214	4.36E-04	5.90E-04	1.86E-03	pCi/m3	U
1215	606539008	11/28/2022	Lead-214	1.46E-03	7.87E-04	1.40E-03	pCi/m3	UI
1215	609493008	12/26/2022	Lead-214	7.35E-04	8.51E-04	2.24E-03	pCi/m3	U
1215	571510011	1/24/2022	Manganese-54	-4.04E-04	2.62E-04	7.24E-04	pCi/m3	U
1215	574141008	2/21/2022	Manganese-54	1.17E-04	2.75E-04	9.20E-04	pCi/m3	U
1215	578170007	3/21/2022	Manganese-54	-2.42E-04	3.65E-04	1.09E-03	pCi/m3	U
1215	582160008	4/18/2022	Manganese-54	3.33E-04	3.05E-04	1.12E-03	pCi/m3	U
1215	585159008	5/16/2022	Manganese-54	3.42E-04	2.99E-04	9.60E-04	pCi/m3	U
1215	587304008	6/13/2022	Manganese-54	-8.62E-05	2.08E-04	6.68E-04	pCi/m3	U
1215	592750008	7/11/2022	Manganese-54	2.89E-05	2.73E-04	8.94E-04	pCi/m3	U
1215	592751008	8/8/2022	Manganese-54	-1.94E-05	3.43E-04	8.92E-04	pCi/m3	U
1215	600035008	9/5/2022	Manganese-54	-4.88E-04	3.00E-04	5.62E-04	pCi/m3	U
1215	600037008	10/3/2022	Manganese-54	-1.87E-05	2.40E-04	7.70E-04	pCi/m3	U
1215	606085008	10/31/2022	Manganese-54	1.77E-04	2.73E-04	9.83E-04	pCi/m3	U
1215	606539008	11/28/2022	Manganese-54	1.30E-04	2.45E-04	8.55E-04	pCi/m3	U
1215	609493008	12/26/2022	Manganese-54	-2.57E-05	2.48E-04	7.86E-04	pCi/m3	U
1215	571510011	1/24/2022	Molybdenum-99	-1.01E+01	1.80E+01	0.00E+00	pCi/m3	U
1215	574141008	2/21/2022	Molybdenum-99	-1.69E+01	7.73E+00	0.00E+00	pCi/m3	U
1215	578170007	3/21/2022	Molybdenum-99	-1.57E+01	4.22E+01	0.00E+00	pCi/m3	U
1215	582160008	4/18/2022	Molybdenum-99	-3.71E+02	4.78E+03	0.00E+00	pCi/m3	U
1215	585159008	5/16/2022	Molybdenum-99	8.90E+02	8.46E+02	0.00E+00	pCi/m3	UI
1215	587304008	6/13/2022	Molybdenum-99	-8.10E+01	1.87E+02	0.00E+00	pCi/m3	U
1215	592750008	7/11/2022	Molybdenum-99	-1.31E+05	1.06E+05	0.00E+00	pCi/m3	U
1215	592751008	8/8/2022	Molybdenum-99	1.79E+02	1.43E+02	0.00E+00	pCi/m3	UI
1215	600035008	9/5/2022	Molybdenum-99	1.98E+04	3.34E+04	0.00E+00	pCi/m3	UI
1215	600037008	10/3/2022	Molybdenum-99	-9.84E+00	2.08E+01	0.00E+00	pCi/m3	U
1215	606085008	10/31/2022	Molybdenum-99	1.59E+04	3.39E+04	0.00E+00	pCi/m3	UI
1215	606539008	11/28/2022	Molybdenum-99	-3.43E+01	1.32E+02	0.00E+00	pCi/m3	U
1215	609493008	12/26/2022	Molybdenum-99	-8.57E+01	1.14E+02	0.00E+00	pCi/m3	U
1215	571510011	1/24/2022	Niobium-95	-1.16E-04	3.12E-04	9.76E-04	pCi/m3	U
1215	574141008	2/21/2022	Niobium-95	-2.47E-04	3.06E-04	9.14E-04	pCi/m3	U
1215	578170007	3/21/2022	Niobium-95	-1.61E-05	4.64E-04	1.51E-03	pCi/m3	U
1215	582160008	4/18/2022	Niobium-95	2.91E-04	7.13E-04	1.41E-03	pCi/m3	U
1215	585159008	5/16/2022	Niobium-95	-4.93E-05	3.85E-04	1.22E-03	pCi/m3	U
1215	587304008	6/13/2022	Niobium-95	-2.69E-04	4.07E-04	1.20E-03	pCi/m3	U
1215	592750008	7/11/2022	Niobium-95	4.94E-04	4.44E-04	1.61E-03	pCi/m3	U
1215	592751008	8/8/2022	Niobium-95	1.36E-04	4.40E-04	1.44E-03	pCi/m3	U
1215	600035008	9/5/2022	Niobium-95	6.19E-06	6.07E-04	1.95E-03	pCi/m3	U
1215	600037008	10/3/2022	Niobium-95	1.76E-04	3.05E-04	1.05E-03	pCi/m3	U
1215	606085008	10/31/2022	Niobium-95	-1.75E-04	5.95E-04	1.84E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	606539008	11/28/2022	Niobium-95	8.47E-04	4.06E-04	1.47E-03	pCi/m3	U
1215	609493008	12/26/2022	Niobium-95	-3.07E-04	4.39E-04	1.32E-03	pCi/m3	U
1215	571510011	1/24/2022	Potassium-40	1.12E-02	5.53E-03	7.00E-03	pCi/m3	UI
1215	574141008	2/21/2022	Potassium-40	1.59E-02	5.69E-03	7.15E-03	pCi/m3	U
1215	578170007	3/21/2022	Potassium-40	-3.26E-03	5.66E-03	2.01E-02	pCi/m3	U
1215	582160008	4/18/2022	Potassium-40	6.33E-03	5.08E-03	1.10E-02	pCi/m3	U
1215	585159008	5/16/2022	Potassium-40	1.39E-02	5.92E-03	8.16E-03	pCi/m3	UI
1215	587304008	6/13/2022	Potassium-40	9.73E-03	5.01E-03	1.92E-02	pCi/m3	U
1215	592750008	7/11/2022	Potassium-40	1.00E-02	4.78E-03	7.44E-03	pCi/m3	UI
1215	592751008	8/8/2022	Potassium-40	1.87E-02	5.85E-03	9.98E-03	pCi/m3	UI
1215	600035008	9/5/2022	Potassium-40	1.18E-02	5.67E-03	9.73E-03	pCi/m3	UI
1215	600037008	10/3/2022	Potassium-40	1.60E-02	5.03E-03	8.39E-03	pCi/m3	U
1215	606085008	10/31/2022	Potassium-40	-3.97E-03	4.93E-03	1.48E-02	pCi/m3	U
1215	606539008	11/28/2022	Potassium-40	5.65E-03	4.76E-03	7.70E-03	pCi/m3	U
1215	609493008	12/26/2022	Potassium-40	1.34E-02	7.24E-03	9.90E-03	pCi/m3	UI
1215	571510011	1/24/2022	Radium-226	3.79E-04	8.63E-04	1.26E-03	pCi/m3	U
1215	574141008	2/21/2022	Radium-226	5.05E-04	6.96E-04	2.18E-03	pCi/m3	U
1215	578170007	3/21/2022	Radium-226	2.04E-03	1.13E-03	3.18E-03	pCi/m3	U
1215	582160008	4/18/2022	Radium-226	7.85E-04	6.67E-04	2.34E-03	pCi/m3	U
1215	585159008	5/16/2022	Radium-226	-1.83E-03	6.03E-04	1.75E-03	pCi/m3	U
1215	587304008	6/13/2022	Radium-226	1.62E-03	6.86E-04	1.97E-03	pCi/m3	U
1215	592750008	7/11/2022	Radium-226	-2.05E-04	6.03E-04	1.89E-03	pCi/m3	U
1215	592751008	8/8/2022	Radium-226	2.39E-04	6.11E-04	1.86E-03	pCi/m3	U
1215	600035008	9/5/2022	Radium-226	-2.41E-04	5.47E-04	1.60E-03	pCi/m3	U
1215	600037008	10/3/2022	Radium-226	5.08E-04	8.23E-04	1.52E-03	pCi/m3	U
1215	606085008	10/31/2022	Radium-226	4.36E-04	5.90E-04	1.86E-03	pCi/m3	U
1215	606539008	11/28/2022	Radium-226	1.46E-03	7.87E-04	1.40E-03	pCi/m3	UI
1215	609493008	12/26/2022	Radium-226	7.35E-04	8.51E-04	2.24E-03	pCi/m3	U
1215	571510011	1/24/2022	Radium-228	2.99E-04	1.03E-03	3.55E-03	pCi/m3	U
1215	574141008	2/21/2022	Radium-228	-1.05E-03	1.25E-03	3.55E-03	pCi/m3	U
1215	578170007	3/21/2022	Radium-228	-1.84E-03	1.37E-03	4.21E-03	pCi/m3	U
1215	582160008	4/18/2022	Radium-228	4.87E-03	1.46E-03	4.49E-03	pCi/m3	UI
1215	585159008	5/16/2022	Radium-228	-2.50E-04	1.26E-03	3.79E-03	pCi/m3	U
1215	587304008	6/13/2022	Radium-228	1.82E-03	1.45E-03	5.06E-03	pCi/m3	U
1215	592750008	7/11/2022	Radium-228	-1.75E-03	1.01E-03	2.90E-03	pCi/m3	U
1215	592751008	8/8/2022	Radium-228	1.38E-03	2.60E-03	5.83E-03	pCi/m3	U
1215	600035008	9/5/2022	Radium-228	8.25E-04	1.25E-03	4.22E-03	pCi/m3	U
1215	600037008	10/3/2022	Radium-228	4.78E-03	1.49E-03	3.72E-03	pCi/m3	UI
1215	606085008	10/31/2022	Radium-228	-1.09E-03	1.31E-03	4.03E-03	pCi/m3	U
1215	606539008	11/28/2022	Radium-228	1.79E-04	1.90E-03	4.51E-03	pCi/m3	U
1215	609493008	12/26/2022	Radium-228	2.38E-03	1.35E-03	4.67E-03	pCi/m3	U
1215	571510011	1/24/2022	Ruthenium-103	-1.09E-05	2.83E-04	9.41E-04	pCi/m3	U
1215	574141008	2/21/2022	Ruthenium-103	1.20E-04	3.62E-04	1.24E-03	pCi/m3	U
1215	578170007	3/21/2022	Ruthenium-103	-3.08E-05	5.00E-04	1.64E-03	pCi/m3	U
1215	582160008	4/18/2022	Ruthenium-103	1.09E-05	5.55E-04	1.83E-03	pCi/m3	U
1215	585159008	5/16/2022	Ruthenium-103	-9.82E-05	4.01E-04	1.32E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	587304008	6/13/2022	Ruthenium-103	-4.12E-07	3.64E-04	1.19E-03	pCi/m3	U
1215	592750008	7/11/2022	Ruthenium-103	2.07E-04	5.87E-04	2.03E-03	pCi/m3	U
1215	592751008	8/8/2022	Ruthenium-103	8.56E-05	4.58E-04	1.53E-03	pCi/m3	U
1215	600035008	9/5/2022	Ruthenium-103	8.83E-05	7.02E-04	2.25E-03	pCi/m3	U
1215	600037008	10/3/2022	Ruthenium-103	2.74E-04	3.17E-04	1.14E-03	pCi/m3	U
1215	606085008	10/31/2022	Ruthenium-103	-8.98E-04	6.47E-04	1.82E-03	pCi/m3	U
1215	606539008	11/28/2022	Ruthenium-103	-3.31E-04	3.70E-04	1.17E-03	pCi/m3	U
1215	609493008	12/26/2022	Ruthenium-103	-3.79E-05	4.73E-04	1.57E-03	pCi/m3	U
1215	571510011	1/24/2022	Ruthenium-106	5.80E-04	1.67E-03	5.67E-03	pCi/m3	U
1215	574141008	2/21/2022	Ruthenium-106	-2.70E-03	2.38E-03	7.18E-03	pCi/m3	U
1215	578170007	3/21/2022	Ruthenium-106	5.57E-04	2.69E-03	9.09E-03	pCi/m3	U
1215	582160008	4/18/2022	Ruthenium-106	-3.54E-03	2.16E-03	5.62E-03	pCi/m3	U
1215	585159008	5/16/2022	Ruthenium-106	-9.45E-04	2.22E-03	7.07E-03	pCi/m3	U
1215	587304008	6/13/2022	Ruthenium-106	-3.15E-03	2.10E-03	5.59E-03	pCi/m3	U
1215	592750008	7/11/2022	Ruthenium-106	-4.72E-04	2.03E-03	6.56E-03	pCi/m3	U
1215	592751008	8/8/2022	Ruthenium-106	-4.31E-04	2.35E-03	7.44E-03	pCi/m3	U
1215	600035008	9/5/2022	Ruthenium-106	4.07E-04	2.65E-03	8.74E-03	pCi/m3	U
1215	600037008	10/3/2022	Ruthenium-106	1.49E-03	1.76E-03	6.30E-03	pCi/m3	U
1215	606085008	10/31/2022	Ruthenium-106	-6.29E-04	2.22E-03	6.91E-03	pCi/m3	U
1215	606539008	11/28/2022	Ruthenium-106	2.27E-03	2.24E-03	7.78E-03	pCi/m3	U
1215	609493008	12/26/2022	Ruthenium-106	-3.35E-04	2.34E-03	7.57E-03	pCi/m3	U
1215	571510011	1/24/2022	Selenium-75	7.64E-07	2.39E-04	7.44E-04	pCi/m3	U
1215	574141008	2/21/2022	Selenium-75	-2.99E-04	3.30E-04	9.77E-04	pCi/m3	U
1215	578170007	3/21/2022	Selenium-75	-3.35E-05	3.40E-04	1.08E-03	pCi/m3	U
1215	582160008	4/18/2022	Selenium-75	-3.10E-04	3.18E-04	9.21E-04	pCi/m3	U
1215	585159008	5/16/2022	Selenium-75	2.67E-04	3.12E-04	9.89E-04	pCi/m3	U
1215	587304008	6/13/2022	Selenium-75	9.25E-05	3.61E-04	1.13E-03	pCi/m3	U
1215	592750008	7/11/2022	Selenium-75	7.50E-04	5.10E-04	1.27E-03	pCi/m3	U
1215	592751008	8/8/2022	Selenium-75	6.59E-05	3.46E-04	1.02E-03	pCi/m3	U
1215	600035008	9/5/2022	Selenium-75	1.34E-04	3.55E-04	1.24E-03	pCi/m3	U
1215	600037008	10/3/2022	Selenium-75	-1.22E-04	2.76E-04	8.39E-04	pCi/m3	U
1215	606085008	10/31/2022	Selenium-75	2.42E-04	3.77E-04	1.25E-03	pCi/m3	U
1215	606539008	11/28/2022	Selenium-75	-7.98E-05	2.96E-04	9.71E-04	pCi/m3	U
1215	609493008	12/26/2022	Selenium-75	-3.35E-04	3.83E-04	1.12E-03	pCi/m3	U
1215	571510011	1/24/2022	Silver-108m	3.91E-04	2.41E-04	4.75E-04	pCi/m3	U
1215	574141008	2/21/2022	Silver-108m	-3.22E-04	2.36E-04	7.03E-04	pCi/m3	U
1215	578170007	3/21/2022	Silver-108m	-5.54E-05	2.07E-04	6.88E-04	pCi/m3	U
1215	582160008	4/18/2022	Silver-108m	3.17E-04	1.65E-04	6.35E-04	pCi/m3	U
1215	585159008	5/16/2022	Silver-108m	-6.75E-05	1.65E-04	5.45E-04	pCi/m3	U
1215	587304008	6/13/2022	Silver-108m	1.74E-04	1.74E-04	6.22E-04	pCi/m3	U
1215	592750008	7/11/2022	Silver-108m	7.20E-05	1.62E-04	5.18E-04	pCi/m3	U
1215	592751008	8/8/2022	Silver-108m	-5.16E-04	2.45E-04	5.71E-04	pCi/m3	U
1215	600035008	9/5/2022	Silver-108m	2.20E-04	1.73E-04	5.93E-04	pCi/m3	U
1215	600037008	10/3/2022	Silver-108m	-1.08E-04	1.62E-04	5.22E-04	pCi/m3	U
1215	606085008	10/31/2022	Silver-108m	-5.88E-04	2.19E-04	5.67E-04	pCi/m3	U
1215	606539008	11/28/2022	Silver-108m	-2.20E-04	1.79E-04	5.22E-04	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	609493008	12/26/2022	Silver-108m	3.96E-04	2.08E-04	7.84E-04	pCi/m3	U
1215	571510011	1/24/2022	Silver-110m	5.94E-04	2.68E-04	1.08E-03	pCi/m3	U
1215	574141008	2/21/2022	Silver-110m	4.63E-05	3.15E-04	1.03E-03	pCi/m3	U
1215	578170007	3/21/2022	Silver-110m	1.25E-04	5.20E-04	1.72E-03	pCi/m3	U
1215	582160008	4/18/2022	Silver-110m	-5.39E-04	4.28E-04	1.24E-03	pCi/m3	U
1215	585159008	5/16/2022	Silver-110m	4.49E-04	3.38E-04	1.23E-03	pCi/m3	U
1215	587304008	6/13/2022	Silver-110m	-5.60E-04	3.73E-04	1.04E-03	pCi/m3	U
1215	592750008	7/11/2022	Silver-110m	1.80E-04	3.80E-04	1.29E-03	pCi/m3	U
1215	592751008	8/8/2022	Silver-110m	1.77E-04	5.00E-04	1.74E-03	pCi/m3	U
1215	600035008	9/5/2022	Silver-110m	-4.12E-04	4.51E-04	1.05E-03	pCi/m3	U
1215	600037008	10/3/2022	Silver-110m	-6.69E-05	3.59E-04	1.13E-03	pCi/m3	U
1215	606085008	10/31/2022	Silver-110m	8.32E-04	5.37E-04	1.43E-03	pCi/m3	U
1215	606539008	11/28/2022	Silver-110m	1.73E-04	3.43E-04	1.19E-03	pCi/m3	U
1215	609493008	12/26/2022	Silver-110m	6.13E-04	3.80E-04	1.45E-03	pCi/m3	U
1215	571510011	1/24/2022	Tellurium-132	-2.50E-02	4.64E-01	0.00E+00	pCi/m3	U
1215	574141008	2/21/2022	Tellurium-132	-5.93E-01	2.14E-01	0.00E+00	pCi/m3	U
1215	578170007	3/21/2022	Tellurium-132	9.31E-02	8.77E-01	0.00E+00	pCi/m3	UI
1215	582160008	4/18/2022	Tellurium-132	-1.95E+01	5.60E+01	0.00E+00	pCi/m3	U
1215	585159008	5/16/2022	Tellurium-132	-2.05E+01	1.13E+01	0.00E+00	pCi/m3	U
1215	587304008	6/13/2022	Tellurium-132	-1.92E-01	2.83E+00	0.00E+00	pCi/m3	U
1215	592750008	7/11/2022	Tellurium-132	7.28E+02	8.34E+02	0.00E+00	pCi/m3	UI
1215	592751008	8/8/2022	Tellurium-132	5.55E-01	2.18E+00	0.00E+00	pCi/m3	UI
1215	600035008	9/5/2022	Tellurium-132	-2.28E+02	2.46E+02	0.00E+00	pCi/m3	U
1215	600037008	10/3/2022	Tellurium-132	2.96E-02	4.54E-01	0.00E+00	pCi/m3	UI
1215	606085008	10/31/2022	Tellurium-132	3.81E+02	3.13E+02	0.00E+00	pCi/m3	UI
1215	606539008	11/28/2022	Tellurium-132	5.25E+00	3.54E+00	0.00E+00	pCi/m3	UI
1215	609493008	12/26/2022	Tellurium-132	1.17E+00	2.48E+00	0.00E+00	pCi/m3	UI
1215	571510011	1/24/2022	Thallium-208	4.05E-04	3.80E-04	6.60E-04	pCi/m3	U
1215	574141008	2/21/2022	Thallium-208	4.19E-05	3.41E-04	8.10E-04	pCi/m3	U
1215	578170007	3/21/2022	Thallium-208	-3.54E-04	3.96E-04	1.19E-03	pCi/m3	U
1215	582160008	4/18/2022	Thallium-208	1.99E-03	3.81E-04	6.95E-04	pCi/m3	UI
1215	585159008	5/16/2022	Thallium-208	2.84E-04	4.04E-04	6.16E-04	pCi/m3	U
1215	587304008	6/13/2022	Thallium-208	-1.56E-04	2.61E-04	8.10E-04	pCi/m3	U
1215	592750008	7/11/2022	Thallium-208	4.75E-04	3.59E-04	6.52E-04	pCi/m3	U
1215	592751008	8/8/2022	Thallium-208	7.08E-05	3.69E-04	6.93E-04	pCi/m3	U
1215	600035008	9/5/2022	Thallium-208	1.69E-05	5.22E-04	8.43E-04	pCi/m3	U
1215	600037008	10/3/2022	Thallium-208	-1.72E-04	2.27E-04	7.16E-04	pCi/m3	U
1215	606085008	10/31/2022	Thallium-208	6.37E-04	4.83E-04	8.12E-04	pCi/m3	U
1215	606539008	11/28/2022	Thallium-208	3.39E-04	4.86E-04	7.74E-04	pCi/m3	U
1215	609493008	12/26/2022	Thallium-208	-5.43E-04	3.51E-04	1.08E-03	pCi/m3	U
1215	571510011	1/24/2022	Thorium-228	8.30E-04	3.78E-04	1.28E-03	pCi/m3	U
1215	574141008	2/21/2022	Thorium-228	5.37E-04	7.62E-04	1.14E-03	pCi/m3	U
1215	578170007	3/21/2022	Thorium-228	2.37E-03	7.75E-04	2.11E-03	pCi/m3	UI
1215	582160008	4/18/2022	Thorium-228	8.69E-04	6.40E-04	1.33E-03	pCi/m3	U
1215	585159008	5/16/2022	Thorium-228	6.86E-04	7.14E-04	1.44E-03	pCi/m3	U
1215	587304008	6/13/2022	Thorium-228	9.74E-04	7.51E-04	1.12E-03	pCi/m3	U

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	592750008	7/11/2022	Thorium-228	-3.40E-04	4.22E-04	1.26E-03	pCi/m3	U
1215	592751008	8/8/2022	Thorium-228	3.13E-04	3.92E-04	1.22E-03	pCi/m3	U
1215	600035008	9/5/2022	Thorium-228	-1.18E-04	4.94E-04	1.71E-03	pCi/m3	U
1215	600037008	10/3/2022	Thorium-228	9.08E-05	3.97E-04	1.27E-03	pCi/m3	U
1215	606085008	10/31/2022	Thorium-228	1.46E-04	6.65E-04	1.18E-03	pCi/m3	U
1215	606539008	11/28/2022	Thorium-228	1.29E-03	5.72E-04	9.86E-04	pCi/m3	UI
1215	609493008	12/26/2022	Thorium-228	8.06E-04	8.92E-04	1.75E-03	pCi/m3	U
1215	571510011	1/24/2022	Thorium-230	3.79E-04	8.63E-04	1.26E-03	pCi/m3	U
1215	574141008	2/21/2022	Thorium-230	5.05E-04	6.96E-04	2.18E-03	pCi/m3	U
1215	578170007	3/21/2022	Thorium-230	2.04E-03	1.13E-03	3.18E-03	pCi/m3	U
1215	582160008	4/18/2022	Thorium-230	7.85E-04	6.67E-04	2.34E-03	pCi/m3	U
1215	585159008	5/16/2022	Thorium-230	-1.83E-03	6.03E-04	1.75E-03	pCi/m3	U
1215	587304008	6/13/2022	Thorium-230	1.62E-03	6.86E-04	1.97E-03	pCi/m3	U
1215	592750008	7/11/2022	Thorium-230	-2.05E-04	6.03E-04	1.89E-03	pCi/m3	U
1215	592751008	8/8/2022	Thorium-230	2.39E-04	6.11E-04	1.86E-03	pCi/m3	U
1215	600035008	9/5/2022	Thorium-230	-2.41E-04	5.47E-04	1.60E-03	pCi/m3	U
1215	600037008	10/3/2022	Thorium-230	5.08E-04	8.22E-04	1.52E-03	pCi/m3	U
1215	606085008	10/31/2022	Thorium-230	4.36E-04	5.90E-04	1.86E-03	pCi/m3	U
1215	606539008	11/28/2022	Thorium-230	1.46E-03	7.87E-04	1.40E-03	pCi/m3	UI
1215	609493008	12/26/2022	Thorium-230	7.35E-04	8.51E-04	2.24E-03	pCi/m3	U
1215	571510011	1/24/2022	Thorium-232	2.99E-04	1.03E-03	3.55E-03	pCi/m3	U
1215	574141008	2/21/2022	Thorium-232	-1.05E-03	1.25E-03	3.55E-03	pCi/m3	U
1215	578170007	3/21/2022	Thorium-232	-1.84E-03	1.37E-03	4.21E-03	pCi/m3	U
1215	582160008	4/18/2022	Thorium-232	4.87E-03	1.46E-03	4.49E-03	pCi/m3	UI
1215	585159008	5/16/2022	Thorium-232	-2.50E-04	1.26E-03	3.79E-03	pCi/m3	U
1215	587304008	6/13/2022	Thorium-232	1.82E-03	1.45E-03	5.06E-03	pCi/m3	U
1215	592750008	7/11/2022	Thorium-232	-1.75E-03	1.01E-03	2.90E-03	pCi/m3	U
1215	592751008	8/8/2022	Thorium-232	1.38E-03	2.60E-03	5.83E-03	pCi/m3	U
1215	600035008	9/5/2022	Thorium-232	8.25E-04	1.25E-03	4.22E-03	pCi/m3	U
1215	600037008	10/3/2022	Thorium-232	4.78E-03	1.49E-03	3.72E-03	pCi/m3	UI
1215	606085008	10/31/2022	Thorium-232	-1.09E-03	1.31E-03	4.03E-03	pCi/m3	U
1215	606539008	11/28/2022	Thorium-232	1.79E-04	1.90E-03	4.51E-03	pCi/m3	U
1215	609493008	12/26/2022	Thorium-232	2.38E-03	1.35E-03	4.67E-03	pCi/m3	U
1215	571510011	1/24/2022	Thorium-234	5.14E-03	7.13E-03	1.49E-02	pCi/m3	U
1215	574141008	2/21/2022	Thorium-234	-1.15E-02	7.59E-03	2.42E-02	pCi/m3	U
1215	578170007	3/21/2022	Thorium-234	-1.16E-02	7.91E-03	2.44E-02	pCi/m3	U
1215	582160008	4/18/2022	Thorium-234	-1.73E-02	8.20E-03	2.29E-02	pCi/m3	U
1215	585159008	5/16/2022	Thorium-234	2.33E-03	1.76E-02	3.41E-02	pCi/m3	U
1215	587304008	6/13/2022	Thorium-234	8.47E-03	1.17E-02	2.60E-02	pCi/m3	U
1215	592750008	7/11/2022	Thorium-234	1.79E-02	1.75E-02	3.66E-02	pCi/m3	U
1215	592751008	8/8/2022	Thorium-234	8.01E-05	4.46E-03	9.25E-03	pCi/m3	U
1215	600035008	9/5/2022	Thorium-234	3.04E-03	4.14E-03	9.84E-03	pCi/m3	U
1215	600037008	10/3/2022	Thorium-234	3.01E-02	1.53E-02	2.63E-02	pCi/m3	UI
1215	606085008	10/31/2022	Thorium-234	-2.56E-02	1.02E-02	2.98E-02	pCi/m3	U
1215	606539008	11/28/2022	Thorium-234	-1.01E-02	1.12E-02	3.48E-02	pCi/m3	U
1215	609493008	12/26/2022	Thorium-234	-6.76E-03	1.23E-02	3.78E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 9: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	571510011	1/24/2022	Uranium-234	3.79E-04	8.63E-04	1.26E-03	pCi/m3	U
1215	574141008	2/21/2022	Uranium-234	5.05E-04	6.96E-04	2.18E-03	pCi/m3	U
1215	578170007	3/21/2022	Uranium-234	2.04E-03	1.13E-03	3.18E-03	pCi/m3	U
1215	582160008	4/18/2022	Uranium-234	7.85E-04	6.67E-04	2.34E-03	pCi/m3	U
1215	585159008	5/16/2022	Uranium-234	-1.83E-03	6.03E-04	1.75E-03	pCi/m3	U
1215	587304008	6/13/2022	Uranium-234	1.62E-03	6.86E-04	1.97E-03	pCi/m3	U
1215	592750008	7/11/2022	Uranium-234	-2.05E-04	6.03E-04	1.89E-03	pCi/m3	U
1215	592751008	8/8/2022	Uranium-234	2.39E-04	6.11E-04	1.86E-03	pCi/m3	U
1215	600035008	9/5/2022	Uranium-234	-2.41E-04	5.47E-04	1.60E-03	pCi/m3	U
1215	600037008	10/3/2022	Uranium-234	5.08E-04	8.22E-04	1.52E-03	pCi/m3	U
1215	606085008	10/31/2022	Uranium-234	4.36E-04	5.90E-04	1.86E-03	pCi/m3	U
1215	606539008	11/28/2022	Uranium-234	1.46E-03	7.87E-04	1.40E-03	pCi/m3	UI
1215	609493008	12/26/2022	Uranium-234	7.35E-04	8.51E-04	2.24E-03	pCi/m3	U
1215	571510011	1/24/2022	Zinc-65	-3.86E-04	5.05E-04	1.42E-03	pCi/m3	U
1215	574141008	2/21/2022	Zinc-65	-4.52E-04	5.63E-04	1.46E-03	pCi/m3	U
1215	578170007	3/21/2022	Zinc-65	3.12E-04	6.27E-04	2.28E-03	pCi/m3	U
1215	582160008	4/18/2022	Zinc-65	-3.31E-04	6.38E-04	1.93E-03	pCi/m3	U
1215	585159008	5/16/2022	Zinc-65	-5.28E-04	8.64E-04	2.30E-03	pCi/m3	U
1215	587304008	6/13/2022	Zinc-65	-6.14E-04	4.39E-04	1.03E-03	pCi/m3	U
1215	592750008	7/11/2022	Zinc-65	5.72E-04	7.63E-04	2.61E-03	pCi/m3	U
1215	592751008	8/8/2022	Zinc-65	-9.67E-04	7.60E-04	2.08E-03	pCi/m3	U
1215	600035008	9/5/2022	Zinc-65	-3.45E-04	8.17E-04	2.25E-03	pCi/m3	U
1215	600037008	10/3/2022	Zinc-65	-7.42E-04	5.61E-04	1.41E-03	pCi/m3	U
1215	606085008	10/31/2022	Zinc-65	1.06E-03	6.86E-04	2.67E-03	pCi/m3	U
1215	606539008	11/28/2022	Zinc-65	8.94E-04	8.67E-04	1.68E-03	pCi/m3	U
1215	609493008	12/26/2022	Zinc-65	1.12E-03	7.02E-04	2.74E-03	pCi/m3	U
1215	571510011	1/24/2022	Zirconium-95	-5.61E-04	4.31E-04	1.16E-03	pCi/m3	U
1215	574141008	2/21/2022	Zirconium-95	-2.61E-04	5.71E-04	1.77E-03	pCi/m3	U
1215	578170007	3/21/2022	Zirconium-95	1.20E-03	8.03E-04	3.05E-03	pCi/m3	U
1215	582160008	4/18/2022	Zirconium-95	3.50E-04	7.89E-04	2.79E-03	pCi/m3	U
1215	585159008	5/16/2022	Zirconium-95	-2.47E-04	6.44E-04	2.01E-03	pCi/m3	U
1215	587304008	6/13/2022	Zirconium-95	2.47E-04	6.91E-04	2.07E-03	pCi/m3	U
1215	592750008	7/11/2022	Zirconium-95	3.00E-04	6.62E-04	2.28E-03	pCi/m3	U
1215	592751008	8/8/2022	Zirconium-95	-7.98E-04	8.52E-04	2.32E-03	pCi/m3	U
1215	600035008	9/5/2022	Zirconium-95	1.83E-04	8.86E-04	2.90E-03	pCi/m3	U
1215	600037008	10/3/2022	Zirconium-95	1.54E-04	4.22E-04	1.45E-03	pCi/m3	U
1215	606085008	10/31/2022	Zirconium-95	7.72E-04	7.69E-04	2.75E-03	pCi/m3	U
1215	606539008	11/28/2022	Zirconium-95	1.45E-03	7.48E-04	2.14E-03	pCi/m3	U
1215	609493008	12/26/2022	Zirconium-95	3.87E-04	6.04E-04	2.11E-03	pCi/m3	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1101	566163010	1/3/2022	Iodine-131	8.08E-04	2.43E-03	8.51E-03	pCi/m3	U
1101	566828008	1/10/2022	Iodine-131	-6.86E-04	2.21E-03	4.76E-03	pCi/m3	U
1101	567642010	1/18/2022	Iodine-131	2.13E-03	1.78E-03	6.66E-03	pCi/m3	U
1101	568219008	1/24/2022	Iodine-131	1.05E-03	3.97E-03	1.38E-02	pCi/m3	U
1101	568939010	1/31/2022	Iodine-131	9.63E-04	1.66E-03	5.71E-03	pCi/m3	U
1101	569538016	2/7/2022	Iodine-131	-2.41E-04	1.07E-03	3.52E-03	pCi/m3	U
1101	570263008	2/14/2022	Iodine-131	4.13E-04	1.38E-03	4.78E-03	pCi/m3	U
1101	571003010	2/21/2022	Iodine-131	-2.52E-03	1.82E-03	4.93E-03	pCi/m3	U
1101	571635008	2/28/2022	Iodine-131	5.31E-03	1.97E-03	6.25E-03	pCi/m3	U
1101	572313010	3/7/2022	Iodine-131	1.15E-03	1.58E-03	5.36E-03	pCi/m3	U
1101	573042010	3/14/2022	Iodine-131	9.23E-04	2.24E-03	7.19E-03	pCi/m3	U
1101	573808006	3/21/2022	Iodine-131	1.59E-04	2.55E-03	8.42E-03	pCi/m3	U
1101	574541010	3/28/2022	Iodine-131	-3.93E-03	3.93E-03	9.90E-03	pCi/m3	U
1102	566163012	1/3/2022	Iodine-131	-5.35E-04	1.61E-03	5.24E-03	pCi/m3	U
1102	566828010	1/10/2022	Iodine-131	-2.32E-03	1.46E-03	3.68E-03	pCi/m3	U
1102	567642012	1/18/2022	Iodine-131	-1.20E-03	2.86E-03	9.35E-03	pCi/m3	U
1102	568219010	1/24/2022	Iodine-131	-1.55E-03	2.20E-03	6.27E-03	pCi/m3	U
1102	568939012	1/31/2022	Iodine-131	-1.86E-03	1.64E-03	4.78E-03	pCi/m3	U
1102	569538018	2/7/2022	Iodine-131	2.80E-04	1.29E-03	4.46E-03	pCi/m3	U
1102	570263010	2/14/2022	Iodine-131	-1.28E-03	1.24E-03	3.69E-03	pCi/m3	U
1102	571003012	2/21/2022	Iodine-131	1.29E-03	1.66E-03	6.31E-03	pCi/m3	U
1102	571635010	2/28/2022	Iodine-131	-2.21E-03	1.59E-03	3.85E-03	pCi/m3	U
1102	572313012	3/7/2022	Iodine-131	1.64E-03	2.13E-03	7.57E-03	pCi/m3	U
1102	573042012	3/14/2022	Iodine-131	2.32E-03	3.10E-03	1.06E-02	pCi/m3	U
1102	573808008	3/21/2022	Iodine-131	-6.82E-04	2.19E-03	7.19E-03	pCi/m3	U
1102	574541012	3/28/2022	Iodine-131	2.88E-03	2.67E-03	9.86E-03	pCi/m3	U
1103	566163014	1/3/2022	Iodine-131	2.97E-03	2.13E-03	7.72E-03	pCi/m3	U
1103	566828012	1/10/2022	Iodine-131	-3.00E-04	1.88E-03	6.31E-03	pCi/m3	U
1103	567642014	1/18/2022	Iodine-131	1.88E-04	2.40E-03	7.96E-03	pCi/m3	U
1103	568219012	1/24/2022	Iodine-131	-2.04E-03	3.43E-03	1.05E-02	pCi/m3	U
1103	568939014	1/31/2022	Iodine-131	-5.12E-04	1.16E-03	3.64E-03	pCi/m3	U
1103	569538020	2/7/2022	Iodine-131	-5.98E-04	1.63E-03	5.17E-03	pCi/m3	U
1103	570263012	2/14/2022	Iodine-131	-4.83E-04	1.05E-03	3.40E-03	pCi/m3	U
1103	571003014	2/21/2022	Iodine-131	2.58E-03	2.91E-03	1.06E-02	pCi/m3	U
1103	571635012	2/28/2022	Iodine-131	-4.48E-04	1.71E-03	5.70E-03	pCi/m3	U
1103	572313014	3/7/2022	Iodine-131	1.84E-04	2.09E-03	6.63E-03	pCi/m3	U
1103	573042014	3/14/2022	Iodine-131	1.34E-04	2.04E-03	6.86E-03	pCi/m3	U
1103	573808010	3/21/2022	Iodine-131	-1.85E-03	2.08E-03	6.14E-03	pCi/m3	U
1103	574541014	3/28/2022	Iodine-131	-3.76E-04	2.44E-03	7.98E-03	pCi/m3	U
1104	566163006	1/3/2022	Iodine-131	-6.03E-04	1.77E-03	5.20E-03	pCi/m3	U
1104	566828006	1/10/2022	Iodine-131	3.41E-03	2.23E-03	7.80E-03	pCi/m3	U
1104	567642008	1/18/2022	Iodine-131	-2.43E-03	2.12E-03	6.23E-03	pCi/m3	U
1104	568219004	1/24/2022	Iodine-131	2.46E-03	3.05E-03	1.07E-02	pCi/m3	U
1104	568939006	1/31/2022	Iodine-131	-1.51E-03	1.34E-03	4.05E-03	pCi/m3	U
1104	569538014	2/7/2022	Iodine-131	8.44E-04	1.34E-03	4.78E-03	pCi/m3	U
1104	570263006	2/14/2022	Iodine-131	-4.88E-04	1.63E-03	5.40E-03	pCi/m3	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	571003006	2/21/2022	Iodine-131	-1.79E-03	2.74E-03	8.04E-03	pCi/m3	U
1104	571635006	2/28/2022	Iodine-131	2.78E-03	1.45E-03	5.74E-03	pCi/m3	U
1104	572313006	3/7/2022	Iodine-131	-4.43E-03	2.17E-03	5.68E-03	pCi/m3	U
1104	573042008	3/14/2022	Iodine-131	-1.01E-03	1.95E-03	6.22E-03	pCi/m3	U
1104	573808004	3/21/2022	Iodine-131	-8.18E-04	2.51E-03	8.34E-03	pCi/m3	U
1104	574541008	3/28/2022	Iodine-131	2.82E-03	2.86E-03	1.00E-02	pCi/m3	U
1108	566163004	1/3/2022	Iodine-131	-1.59E-03	1.23E-03	3.42E-03	pCi/m3	U
1108	566828002	1/10/2022	Iodine-131	1.17E-03	2.16E-03	7.41E-03	pCi/m3	U
1108	567642004	1/18/2022	Iodine-131	3.35E-05	1.63E-03	5.57E-03	pCi/m3	U
1108	568219002	1/24/2022	Iodine-131	4.08E-03	3.48E-03	1.31E-02	pCi/m3	U
1108	568939002	1/31/2022	Iodine-131	7.50E-04	1.41E-03	5.01E-03	pCi/m3	U
1108	569538004	2/7/2022	Iodine-131	1.08E-03	1.49E-03	5.41E-03	pCi/m3	U
1108	570263004	2/14/2022	Iodine-131	7.30E-05	1.48E-03	4.81E-03	pCi/m3	U
1108	571003004	2/21/2022	Iodine-131	2.05E-03	1.51E-03	6.16E-03	pCi/m3	U
1108	571635004	2/28/2022	Iodine-131	-2.17E-04	1.83E-03	6.09E-03	pCi/m3	U
1108	572313002	3/7/2022	Iodine-131	-1.27E-03	1.62E-03	5.01E-03	pCi/m3	U
1108	573042006	3/14/2022	Iodine-131	1.31E-03	2.18E-03	7.35E-03	pCi/m3	U
1108	573808002	3/21/2022	Iodine-131	-3.95E-03	2.11E-03	5.61E-03	pCi/m3	U
1108	574541004	3/28/2022	Iodine-131	4.59E-05	2.69E-03	9.08E-03	pCi/m3	U
1109	566163016	1/3/2022	Iodine-131	4.64E-04	1.71E-03	5.92E-03	pCi/m3	U
1109	566828014	1/10/2022	Iodine-131	3.73E-04	1.67E-03	4.95E-03	pCi/m3	U
1109	567642016	1/18/2022	Iodine-131	-3.25E-03	2.22E-03	6.22E-03	pCi/m3	U
1109	568219014	1/24/2022	Iodine-131	4.84E-03	3.59E-03	1.34E-02	pCi/m3	U
1109	568939016	1/31/2022	Iodine-131	2.42E-03	1.27E-03	5.00E-03	pCi/m3	U
1109	569538022	2/7/2022	Iodine-131	-1.02E-03	1.29E-03	4.10E-03	pCi/m3	U
1109	570263014	2/14/2022	Iodine-131	8.90E-04	2.23E-03	3.54E-03	pCi/m3	U
1109	571003016	2/21/2022	Iodine-131	-1.70E-03	2.40E-03	7.45E-03	pCi/m3	U
1109	571635014	2/28/2022	Iodine-131	5.46E-04	1.42E-03	4.71E-03	pCi/m3	U
1109	572313016	3/7/2022	Iodine-131	-6.31E-05	1.84E-03	5.91E-03	pCi/m3	U
1109	573042016	3/14/2022	Iodine-131	-4.06E-03	2.00E-03	5.07E-03	pCi/m3	U
1109	573808012	3/21/2022	Iodine-131	5.18E-03	3.76E-03	1.41E-02	pCi/m3	U
1109	574541016	3/28/2022	Iodine-131	-6.45E-04	2.54E-03	7.50E-03	pCi/m3	U
1110	566163024	1/3/2022	Iodine-131	7.52E-04	2.20E-03	7.59E-03	pCi/m3	U
1110	566828018	1/10/2022	Iodine-131	3.20E-03	1.68E-03	6.66E-03	pCi/m3	U
1110	567642020	1/18/2022	Iodine-131	-3.00E-04	4.18E-03	9.57E-03	pCi/m3	U
1110	568219020	1/24/2022	Iodine-131	1.30E-03	1.75E-03	6.54E-03	pCi/m3	U
1110	568939020	1/31/2022	Iodine-131	-5.81E-04	1.37E-03	4.23E-03	pCi/m3	U
1110	569538026	2/7/2022	Iodine-131	5.15E-04	1.34E-03	4.61E-03	pCi/m3	U
1110	570263020	2/14/2022	Iodine-131	-4.94E-05	1.34E-03	4.51E-03	pCi/m3	U
1110	571003024	2/21/2022	Iodine-131	-1.15E-03	1.25E-03	3.30E-03	pCi/m3	U
1110	571635020	2/28/2022	Iodine-131	9.89E-04	1.59E-03	5.48E-03	pCi/m3	U
1110	572313020	3/7/2022	Iodine-131	1.51E-03	1.36E-03	5.01E-03	pCi/m3	U
1110	573042022	3/14/2022	Iodine-131	3.36E-03	3.55E-03	1.31E-02	pCi/m3	U
1110	573808016	3/21/2022	Iodine-131	1.05E-03	1.86E-03	6.44E-03	pCi/m3	U
1110	574541020	3/28/2022	Iodine-131	-1.88E-03	2.84E-03	8.65E-03	pCi/m3	U
1114	566163002	1/3/2022	Iodine-131	-1.05E-03	1.62E-03	5.03E-03	pCi/m3	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114	566828024	1/10/2022	Iodine-131	-8.55E-05	1.69E-03	5.28E-03	pCi/m3	U
1114	567642002	1/18/2022	Iodine-131	-3.15E-03	1.82E-03	4.89E-03	pCi/m3	U
1114	568219028	1/24/2022	Iodine-131	-1.10E-03	2.51E-03	6.95E-03	pCi/m3	U
1114	568939026	1/31/2022	Iodine-131	1.16E-03	2.28E-03	8.12E-03	pCi/m3	U
1114	569538002	2/7/2022	Iodine-131	1.19E-03	1.43E-03	5.06E-03	pCi/m3	U
1114	570263002	2/14/2022	Iodine-131	3.88E-04	1.48E-03	5.00E-03	pCi/m3	U
1114	571003002	2/21/2022	Iodine-131	-7.68E-04	2.12E-03	6.74E-03	pCi/m3	U
1114	571635002	2/28/2022	Iodine-131	1.34E-04	1.61E-03	5.43E-03	pCi/m3	U
1114	572313026	3/7/2022	Iodine-131	2.39E-03	1.88E-03	7.07E-03	pCi/m3	U
1114	573042002	3/14/2022	Iodine-131	6.79E-04	1.65E-03	5.89E-03	pCi/m3	U
1114	573808022	3/21/2022	Iodine-131	3.23E-03	2.87E-03	1.04E-02	pCi/m3	U
1114	574541002	3/28/2022	Iodine-131	-5.46E-03	4.62E-03	1.33E-02	pCi/m3	U
1206	566163028	1/3/2022	Iodine-131	7.63E-04	1.32E-03	4.76E-03	pCi/m3	U
1206	566828020	1/10/2022	Iodine-131	-3.21E-04	1.95E-03	6.27E-03	pCi/m3	U
1206	567642022	1/18/2022	Iodine-131	-2.84E-03	2.09E-03	6.04E-03	pCi/m3	U
1206	568219022	1/24/2022	Iodine-131	3.05E-05	3.15E-03	1.01E-02	pCi/m3	U
1206	568939022	1/31/2022	Iodine-131	2.08E-03	1.51E-03	5.35E-03	pCi/m3	U
1206	569538028	2/7/2022	Iodine-131	-6.56E-04	1.33E-03	4.10E-03	pCi/m3	U
1206	570263024	2/14/2022	Iodine-131	6.47E-04	1.70E-03	5.56E-03	pCi/m3	U
1206	571003028	2/21/2022	Iodine-131	2.34E-03	2.04E-03	7.47E-03	pCi/m3	U
1206	571635022	2/28/2022	Iodine-131	7.99E-04	1.39E-03	4.87E-03	pCi/m3	U
1206	572313022	3/7/2022	Iodine-131	-1.78E-03	1.81E-03	5.28E-03	pCi/m3	U
1206	573042024	3/14/2022	Iodine-131	-1.25E-03	2.79E-03	8.73E-03	pCi/m3	U
1206	573808018	3/21/2022	Iodine-131	1.01E-03	2.18E-03	7.67E-03	pCi/m3	U
1206	574541022	3/28/2022	Iodine-131	1.30E-03	2.53E-03	8.85E-03	pCi/m3	U
1207	566163030	1/3/2022	Iodine-131	-3.82E-05	1.56E-03	5.01E-03	pCi/m3	U
1207	566828022	1/10/2022	Iodine-131	-1.59E-03	1.95E-03	5.86E-03	pCi/m3	U
1207	567642026	1/18/2022	Iodine-131	1.60E-04	1.71E-03	5.79E-03	pCi/m3	U
1207	568219026	1/24/2022	Iodine-131	3.27E-05	3.29E-03	1.03E-02	pCi/m3	U
1207	568939024	1/31/2022	Iodine-131	7.69E-04	1.19E-03	4.27E-03	pCi/m3	U
1207	569538032	2/7/2022	Iodine-131	-1.64E-03	1.56E-03	4.86E-03	pCi/m3	U
1207	570263026	2/14/2022	Iodine-131	5.26E-04	1.44E-03	5.03E-03	pCi/m3	U
1207	571003032	2/21/2022	Iodine-131	1.83E-04	1.81E-03	6.16E-03	pCi/m3	U
1207	571635024	2/28/2022	Iodine-131	-2.25E-04	1.47E-03	4.77E-03	pCi/m3	U
1207	572313024	3/7/2022	Iodine-131	2.24E-03	2.42E-03	8.49E-03	pCi/m3	U
1207	573042026	3/14/2022	Iodine-131	-2.72E-03	2.79E-03	8.68E-03	pCi/m3	U
1207	573808020	3/21/2022	Iodine-131	-3.68E-03	2.38E-03	6.72E-03	pCi/m3	U
1207	574541024	3/28/2022	Iodine-131	3.34E-03	2.38E-03	9.59E-03	pCi/m3	U
1215	566163020	1/3/2022	Iodine-131	1.51E-03	1.47E-03	5.38E-03	pCi/m3	U
1215	566828016	1/10/2022	Iodine-131	9.91E-04	1.72E-03	6.07E-03	pCi/m3	U
1215	567642018	1/18/2022	Iodine-131	-4.02E-04	1.50E-03	4.95E-03	pCi/m3	U
1215	568219030	1/24/2022	Iodine-131	-1.54E-03	2.05E-03	6.09E-03	pCi/m3	U
1215	568939018	1/31/2022	Iodine-131	8.26E-04	1.23E-03	4.46E-03	pCi/m3	U
1215	569538024	2/7/2022	Iodine-131	1.40E-03	1.46E-03	5.22E-03	pCi/m3	U
1215	570263018	2/14/2022	Iodine-131	4.77E-04	1.65E-03	4.97E-03	pCi/m3	U
1215	571003020	2/21/2022	Iodine-131	-4.89E-04	2.24E-03	7.37E-03	pCi/m3	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	571635016	2/28/2022	Iodine-131	-1.59E-03	1.55E-03	4.20E-03	pCi/m3	U
1215	572313018	3/7/2022	Iodine-131	-1.59E-03	1.87E-03	5.89E-03	pCi/m3	U
1215	573042020	3/14/2022	Iodine-131	8.43E-03	3.40E-03	8.09E-03	pCi/m3	UI
1215	573808014	3/21/2022	Iodine-131	-2.25E-03	3.06E-03	8.59E-03	pCi/m3	U
1215	574541018	3/28/2022	Iodine-131	4.88E-03	2.13E-03	8.72E-03	pCi/m3	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Actinium-228	4.21E+00	1.19E+01	4.23E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Actinium-228	1.45E+01	2.12E+01	4.31E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Americium-241	1.98E-01	3.89E+00	1.20E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Americium-241	-1.68E+00	2.10E+01	6.46E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Antimony-124	1.38E+01	7.64E+00	3.24E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Antimony-124	-5.39E+00	6.33E+00	1.66E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Antimony-125	1.09E+00	6.05E+00	2.04E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Antimony-125	1.11E-02	6.31E+00	2.12E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Barium-140	8.76E+00	5.79E+01	1.92E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Barium-140	7.36E+01	5.39E+01	1.97E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Beryllium-7	-8.95E+00	3.21E+01	9.83E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Beryllium-7	3.37E+01	2.94E+01	1.06E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Bismuth-214	2.20E+00	5.56E+00	1.82E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Bismuth-214	-8.45E-02	5.84E+00	1.95E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cerium-141	-5.79E+00	6.08E+00	1.85E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cerium-141	-1.09E+01	6.69E+00	1.96E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cerium-144	-2.28E+01	1.26E+01	3.66E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cerium-144	1.15E+01	1.68E+01	5.59E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cesium-134	1.55E-01	2.23E+00	7.14E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cesium-134	9.21E+00	3.94E+00	1.13E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cesium-137	5.69E+00	3.45E+00	1.20E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cesium-137	9.44E+00	4.60E+00	7.48E+00	pCi/kg	UI
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Chromium-51	-1.14E+01	4.04E+01	1.35E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Chromium-51	-3.59E+01	4.29E+01	1.40E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cobalt-57	-9.28E-01	1.72E+00	5.01E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cobalt-57	1.69E+00	2.04E+00	6.88E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cobalt-58	1.36E+00	3.63E+00	1.27E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cobalt-58	2.34E+00	3.15E+00	1.09E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Cobalt-60	4.81E+00	4.11E+00	9.45E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Cobalt-60	1.69E+00	3.12E+00	7.97E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Iron-59	-7.89E+00	1.19E+01	3.74E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Iron-59	5.35E-02	1.05E+01	3.53E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Lanthanum-140	-2.98E+00	2.06E+01	6.47E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Lanthanum-140	3.00E+00	1.65E+01	5.57E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Lead-210	1.14E+02	6.31E+01	1.25E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Lead-210	3.85E+03	1.50E+03	2.86E+03	pCi/kg	UI
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Lead-212	7.34E+00	6.92E+00	1.27E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Lead-212	1.14E+00	6.70E+00	1.45E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Lead-214	-5.65E+00	5.41E+00	1.60E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Lead-214	8.53E+00	8.88E+00	2.10E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Manganese-54	-4.16E+00	3.25E+00	9.95E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Manganese-54	9.06E-01	3.06E+00	1.01E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Molybdenum-99	4.61E+04	1.80E+05	0.00E+00	pCi/kg	UI
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Molybdenum-99	1.09E+05	1.27E+05	0.00E+00	pCi/kg	UI
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Niobium-95	1.88E+00	4.08E+00	1.36E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Niobium-95	-1.16E+00	3.81E+00	1.20E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Potassium-40	3.78E+03	1.71E+02	5.09E+01	pCi/kg	
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Potassium-40	2.92E+03	1.44E+02	7.02E+01	pCi/kg	
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Radium-226	2.20E+00	5.56E+00	1.82E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Radium-226	-8.45E-02	5.84E+00	1.95E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Radium-228	4.21E+00	1.19E+01	4.23E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Radium-228	1.45E+01	2.12E+01	4.31E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Ruthenium-103	-1.71E+00	4.37E+00	1.40E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Ruthenium-103	-5.08E+00	4.37E+00	1.34E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Ruthenium-106	-1.06E+01	2.33E+01	7.22E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Ruthenium-106	-1.47E+01	2.60E+01	7.27E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Selenium-75	1.45E-01	3.33E+00	1.03E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Selenium-75	-1.78E+00	3.63E+00	1.09E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Silver-108m	2.14E-01	2.17E+00	7.25E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Silver-108m	6.05E-01	2.06E+00	7.05E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Silver-110m	1.97E+00	3.64E+00	1.29E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Silver-110m	1.12E+00	4.01E+00	1.32E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Tellurium-132	1.15E+04	5.05E+03	0.00E+00	pCi/kg	UI

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Tellurium-132	-2.83E+03	4.05E+03	0.00E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Thallium-208	-3.27E+00	3.65E+00	1.08E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Thallium-208	6.03E-02	4.13E+00	7.52E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Thorium-228	7.34E+00	6.92E+00	1.27E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Thorium-228	1.14E+00	6.70E+00	1.45E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Thorium-230	2.20E+00	5.56E+00	1.82E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Thorium-230	-8.45E-02	5.84E+00	1.95E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Thorium-232	4.21E+00	1.19E+01	4.23E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Thorium-232	1.45E+01	2.12E+01	4.31E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Thorium-234	9.32E+01	8.80E+01	1.22E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Thorium-234	3.17E+02	2.65E+02	4.91E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Uranium-234	2.20E+00	5.56E+00	1.82E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Uranium-234	-8.45E-02	5.84E+00	1.95E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Zinc-65	3.72E+00	7.80E+00	2.69E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Zinc-65	4.06E+00	1.05E+01	2.46E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957004	4/7/2022	Zirconium-95	-5.07E+00	6.95E+00	2.04E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 370)/1177	578957003	4/7/2022	Zirconium-95	-1.25E-01	6.27E+00	2.02E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Actinium-228	4.70E+00	1.24E+01	4.14E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Actinium-228	3.30E+00	9.49E+00	3.32E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Americium-241	1.34E+00	8.47E+00	2.70E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Americium-241	-1.49E+01	1.00E+01	2.82E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Antimony-124	-1.15E+01	5.94E+00	9.71E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Antimony-124	-3.96E+00	4.51E+00	1.27E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Antimony-125	1.23E+00	5.26E+00	1.74E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Antimony-125	1.03E+01	4.29E+00	1.64E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Barium-140	4.31E+01	5.79E+01	1.96E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Barium-140	2.07E+01	1.59E+01	5.76E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Beryllium-7	-1.72E+01	2.28E+01	6.91E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Beryllium-7	-2.02E+01	1.70E+01	5.24E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Bismuth-214	6.93E+00	4.16E+00	1.50E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Bismuth-214	1.87E+00	4.23E+00	1.42E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cerium-141	6.68E+00	1.02E+01	2.04E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cerium-141	-2.55E+00	4.04E+00	1.26E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cerium-144	-4.44E+00	1.24E+01	4.19E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cerium-144	-4.28E+00	1.01E+01	3.17E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cesium-134	1.69E+00	2.63E+00	9.29E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cesium-134	-3.25E+00	2.30E+00	6.57E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cesium-137	4.31E+00	3.02E+00	6.69E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cesium-137	3.49E-01	1.79E+00	5.92E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Chromium-51	-4.33E+00	4.03E+01	1.18E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Chromium-51	3.61E+01	2.14E+01	7.84E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/3/2022	Cobalt-57	-8.22E-01	1.48E+00	4.94E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cobalt-57	3.58E-01	1.36E+00	4.44E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cobalt-58	1.16E+00	3.00E+00	1.04E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cobalt-58	-2.82E+00	2.35E+00	6.81E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Cobalt-60	-1.89E+00	3.10E+00	9.55E+00	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Cobalt-60	1.03E+00	2.04E+00	7.14E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Iron-59	-4.60E+00	1.02E+01	3.25E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Iron-59	-2.15E+00	6.37E+00	1.84E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Lanthanum-140	6.69E+00	1.58E+01	5.44E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Lanthanum-140	-5.69E+00	5.37E+00	1.48E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Lead-210	-2.52E+02	1.73E+02	5.08E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Lead-210	1.12E+02	3.71E+02	7.88E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Lead-212	5.36E+00	3.86E+00	1.33E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Lead-212	-3.61E+00	3.89E+00	1.16E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Lead-214	-1.14E+00	5.71E+00	1.77E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Lead-214	1.65E+00	4.51E+00	1.48E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Manganese-54	-3.53E+00	3.09E+00	8.13E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Manganese-54	5.00E+00	5.21E+00	5.93E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Molybdenum-99	-5.14E+04	1.90E+05	0.00E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Molybdenum-99	-5.52E+03	2.28E+03	5.76E+03	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Niobium-95	-7.42E-01	2.91E+00	9.64E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Niobium-95	-6.78E-01	2.28E+00	7.21E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Potassium-40	3.54E+03	1.51E+02	9.01E+01	pCi/kg	
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Potassium-40	3.14E+03	1.21E+02	5.57E+01	pCi/kg	
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Radium-226	-1.14E+00	5.71E+00	1.77E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Radium-226	1.65E+00	4.51E+00	1.48E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Radium-228	4.70E+00	1.24E+01	4.14E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Radium-228	3.30E+00	9.49E+00	3.32E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Ruthenium-103	-5.00E+00	3.69E+00	1.07E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Ruthenium-103	-3.13E+00	2.57E+00	7.48E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Ruthenium-106	1.45E+01	2.15E+01	7.20E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Ruthenium-106	-2.77E+01	1.65E+01	4.72E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Selenium-75	1.28E-02	2.93E+00	9.76E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Selenium-75	1.56E+00	2.27E+00	8.03E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Silver-108m	1.09E+00	1.85E+00	6.26E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Silver-108m	5.67E-01	1.55E+00	5.28E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Silver-110m	1.39E-01	3.70E+00	1.24E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Silver-110m	-2.05E+00	2.97E+00	8.95E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Tellurium-132	8.32E+03	5.28E+03	0.00E+00	pCi/kg	UI
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Tellurium-132	5.20E+01	1.23E+02	3.93E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Thallium-208	3.41E+00	3.06E+00	7.03E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Thallium-208	1.84E+00	2.60E+00	6.16E+00	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Thorium-228	5.36E+00	3.86E+00	1.33E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Thorium-228	-3.61E+00	3.89E+00	1.16E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Thorium-230	-1.14E+00	5.71E+00	1.77E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Thorium-230	1.65E+00	4.51E+00	1.48E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Thorium-232	4.70E+00	1.24E+01	4.14E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Thorium-232	3.30E+00	9.49E+00	3.32E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Thorium-234	-2.08E+02	9.67E+01	2.79E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Thorium-234	1.16E+01	1.26E+02	2.48E+02	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Uranium-234	-1.14E+00	5.71E+00	1.77E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Uranium-234	1.65E+00	4.51E+00	1.48E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Zinc-65	1.15E+00	6.46E+00	2.16E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Zinc-65	-2.11E+00	4.27E+00	1.39E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880003	10/4/2022	Zirconium-95	-4.26E+00	4.88E+00	1.53E+01	pCi/kg	U
GUNTERSVILLE RES (TRM 420)/1177	599880004	10/21/2022	Zirconium-95	-5.75E+00	3.70E+00	1.03E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Actinium-228	2.35E+00	1.64E+01	3.88E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Actinium-228	5.71E-01	1.27E+01	3.98E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Actinium-228	-7.34E-01	1.07E+01	3.59E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Actinium-228	8.73E+01	1.70E+01	5.22E+01	pCi/kg	UI
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Americium-241	1.41E+01	1.63E+01	5.15E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Americium-241	-1.94E+01	1.59E+01	4.61E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Americium-241	1.19E+01	1.87E+01	6.49E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Americium-241	-4.58E+00	1.59E+01	4.82E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Antimony-124	-5.74E+00	4.60E+00	1.27E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Antimony-124	6.18E+00	4.46E+00	1.88E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Antimony-124	-9.66E-01	6.58E+00	2.09E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Antimony-124	-5.51E+00	7.37E+00	2.17E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Antimony-125	1.14E+01	5.46E+00	2.04E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Antimony-125	-3.67E+00	5.57E+00	1.77E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Antimony-125	3.14E+00	5.66E+00	1.98E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Antimony-125	7.87E+00	6.83E+00	2.42E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Barium-140	-1.12E+01	3.03E+01	9.58E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Barium-140	-3.20E+01	3.08E+01	9.12E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Barium-140	-2.41E+01	5.34E+01	1.72E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Barium-140	-1.01E+02	6.65E+01	1.92E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Beryllium-7	4.35E+00	2.34E+01	7.80E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Beryllium-7	2.23E+01	2.45E+01	8.57E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Beryllium-7	1.57E+01	2.51E+01	8.78E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Beryllium-7	-2.14E+01	3.00E+01	9.32E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Bismuth-214	7.74E+00	8.05E+00	1.79E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Bismuth-214	1.23E+01	4.68E+00	1.78E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/3/2022	Bismuth-214	3.91E+00	1.15E+01	1.84E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Bismuth-214	2.28E+00	7.82E+00	2.60E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cerium-141	-9.34E-01	5.89E+00	1.68E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cerium-141	-1.06E+01	5.48E+00	1.56E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cerium-141	-5.75E+00	6.59E+00	2.05E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cerium-141	-9.29E+00	7.85E+00	2.36E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cerium-144	8.07E+00	1.26E+01	4.12E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cerium-144	6.48E+00	1.31E+01	4.38E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cerium-144	-9.79E+00	1.40E+01	4.42E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cerium-144	8.38E+00	1.76E+01	5.76E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cesium-134	4.50E+00	2.21E+00	8.44E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cesium-134	-1.02E+00	2.71E+00	8.93E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cesium-134	-2.65E+00	2.85E+00	8.42E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cesium-134	-9.20E-01	3.31E+00	1.10E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cesium-137	-8.69E-01	2.49E+00	7.80E+00	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cesium-137	3.40E+00	2.52E+00	8.92E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cesium-137	1.05E+00	2.33E+00	7.91E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cesium-137	1.17E-01	2.85E+00	9.14E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Chromium-51	-2.73E+01	2.97E+01	9.44E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Chromium-51	-4.12E+01	3.12E+01	9.47E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Chromium-51	6.49E+01	3.70E+01	1.38E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Chromium-51	4.08E+00	9.40E+01	1.67E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cobalt-57	-1.49E+00	1.76E+00	5.33E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cobalt-57	-2.13E+00	1.80E+00	5.55E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cobalt-57	-6.63E-01	1.79E+00	5.74E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cobalt-57	1.95E+00	2.29E+00	7.62E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cobalt-58	4.34E+00	2.88E+00	9.69E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cobalt-58	1.69E+00	2.81E+00	9.94E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cobalt-58	-4.89E+00	3.50E+00	9.81E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cobalt-58	-1.86E-01	4.18E+00	1.24E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Cobalt-60	-5.56E-01	1.98E+00	6.27E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Cobalt-60	-2.47E+00	2.92E+00	8.55E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Cobalt-60	3.91E+00	2.63E+00	1.01E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Cobalt-60	-4.25E+00	3.51E+00	9.89E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Iron-59	-7.62E+00	7.84E+00	2.42E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Iron-59	1.40E+00	8.45E+00	2.82E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Iron-59	-3.47E+00	8.83E+00	2.89E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Iron-59	-9.85E+00	1.10E+01	2.82E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Lanthanum-140	-3.92E+00	1.31E+01	4.11E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Lanthanum-140	-1.81E-01	9.14E+00	2.66E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Lanthanum-140	-3.14E+01	1.79E+01	4.13E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Lanthanum-140	-2.47E+01	1.75E+01	3.95E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Lead-210	-5.19E+02	5.83E+02	1.82E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Lead-210	-1.73E+02	6.28E+02	2.13E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Lead-210	9.84E+02	8.47E+02	3.03E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Lead-210	4.70E+02	4.76E+02	1.66E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Lead-212	-9.40E-01	4.31E+00	1.51E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Lead-212	-2.45E+00	4.66E+00	1.33E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Lead-212	-1.10E+00	4.30E+00	1.36E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Lead-212	5.30E-01	5.84E+00	1.67E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Lead-214	-4.21E+00	5.23E+00	1.53E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Lead-214	1.60E+01	6.59E+00	1.77E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Lead-214	1.22E+01	6.34E+00	1.91E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Lead-214	2.43E+00	9.48E+00	2.23E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Manganese-54	-1.26E+00	2.26E+00	6.77E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Manganese-54	-3.72E-01	2.41E+00	8.06E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Manganese-54	1.16E+00	2.67E+00	8.92E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Manganese-54	6.42E+00	3.41E+00	1.29E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Molybdenum-99	-5.97E+03	2.25E+04	0.00E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Molybdenum-99	-2.57E+04	2.60E+04	0.00E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Molybdenum-99	4.03E+03	1.30E+05	0.00E+00	pCi/kg	UI

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Molybdenum-99	6.26E+04	1.60E+05	0.00E+00	pCi/kg	UI
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Niobium-95	5.03E+00	3.32E+00	1.18E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Niobium-95	-2.42E+00	3.09E+00	9.33E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Niobium-95	-7.19E+00	3.93E+00	1.09E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Niobium-95	9.61E-01	4.09E+00	1.41E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Potassium-40	3.55E+03	1.47E+02	8.60E+01	pCi/kg	
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Potassium-40	3.37E+03	1.43E+02	6.32E+01	pCi/kg	
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Potassium-40	3.42E+03	1.53E+02	5.80E+01	pCi/kg	
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Potassium-40	3.62E+03	1.77E+02	9.95E+01	pCi/kg	
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Radium-226	7.74E+00	8.05E+00	1.79E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Radium-226	1.23E+01	4.68E+00	1.78E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Radium-226	1.22E+01	6.34E+00	1.91E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Radium-226	2.43E+00	9.48E+00	2.23E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Radium-228	2.35E+00	1.64E+01	3.88E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Radium-228	5.71E-01	1.27E+01	3.98E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Radium-228	-7.34E-01	1.07E+01	3.59E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Radium-228	8.73E+01	1.70E+01	5.22E+01	pCi/kg	UI
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Ruthenium-103	-1.96E-01	2.72E+00	8.86E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Ruthenium-103	2.36E+00	3.16E+00	1.09E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Ruthenium-103	-3.16E+00	3.65E+00	1.14E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Ruthenium-103	1.13E+00	4.67E+00	1.55E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Ruthenium-106	1.61E+01	1.83E+01	6.36E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Ruthenium-106	-6.66E+00	2.08E+01	6.53E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Ruthenium-106	6.40E+01	4.47E+01	6.69E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Ruthenium-106	8.32E+00	2.86E+01	9.38E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Selenium-75	-4.21E+00	2.96E+00	9.32E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Selenium-75	-3.94E+00	2.77E+00	8.82E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Selenium-75	-4.17E+00	3.57E+00	1.04E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Selenium-75	-6.17E-01	3.94E+00	1.33E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Silver-108m	-1.07E+00	1.68E+00	5.31E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Silver-108m	-2.93E+00	1.70E+00	4.89E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Silver-108m	5.70E-01	1.84E+00	6.33E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Silver-108m	4.01E+00	2.29E+00	7.81E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Silver-110m	5.54E+00	3.58E+00	1.34E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Silver-110m	3.15E+00	3.38E+00	1.22E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Silver-110m	3.68E+00	3.36E+00	1.20E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Silver-110m	4.13E+00	3.84E+00	1.41E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Tellurium-132	1.54E+03	1.27E+03	2.48E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Tellurium-132	3.26E+02	8.64E+02	2.77E+03	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Tellurium-132	2.97E+03	3.73E+03	0.00E+00	pCi/kg	UI
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Tellurium-132	-1.59E+03	4.43E+03	0.00E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Thallium-208	-3.82E+00	2.78E+00	8.29E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Thallium-208	1.02E+00	2.25E+00	7.56E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Thallium-208	-1.32E+00	2.64E+00	8.17E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Thallium-208	6.15E+00	6.31E+00	8.46E+00	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Thorium-228	-9.40E-01	4.31E+00	1.51E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Thorium-228	-2.45E+00	4.66E+00	1.33E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Thorium-228	-1.10E+00	4.30E+00	1.36E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Thorium-228	5.30E-01	5.84E+00	1.67E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Thorium-230	7.74E+00	8.05E+00	1.79E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Thorium-230	1.23E+01	4.68E+00	1.78E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Thorium-230	1.22E+01	6.34E+00	1.91E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Thorium-230	2.43E+00	9.48E+00	2.23E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Thorium-232	2.35E+00	1.64E+01	3.88E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Thorium-232	5.71E-01	1.27E+01	3.98E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Thorium-232	-7.34E-01	1.07E+01	3.59E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Thorium-232	8.73E+01	1.70E+01	5.22E+01	pCi/kg	UI
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Thorium-234	1.05E+01	1.91E+02	3.92E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Thorium-234	1.27E+02	2.81E+02	4.83E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Thorium-234	-1.25E+02	1.81E+02	5.40E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Thorium-234	8.86E+01	2.94E+02	4.33E+02	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Uranium-234	7.74E+00	8.05E+00	1.79E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Uranium-234	1.23E+01	4.68E+00	1.78E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Uranium-234	1.22E+01	6.34E+00	1.91E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Uranium-234	2.43E+00	9.48E+00	2.23E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Zinc-65	5.80E+00	5.79E+00	2.09E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Zinc-65	-1.40E+01	8.11E+00	1.87E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Zinc-65	-5.98E+00	7.11E+00	2.25E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Zinc-65	7.47E+00	8.31E+00	2.66E+01	pCi/kg	U

Table 11: Complete REMP Results – Fish (pCi/kg)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
WHEELER RES (TRM 294)/1176	578957002	4/14/2022	Zirconium-95	-1.18E+01	5.82E+00	1.52E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	578957001	4/14/2022	Zirconium-95	-4.78E+00	5.18E+00	1.48E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880002	10/6/2022	Zirconium-95	-5.46E+00	6.03E+00	1.79E+01	pCi/kg	U
WHEELER RES (TRM 294)/1176	599880001	10/6/2022	Zirconium-95	1.04E+01	8.03E+00	2.94E+01	pCi/kg	U

Table 12: Complete REMP Results – Food Products (pCi/kg)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114.1	586836004	7/5/2022	Actinium-228	4.03E+01	1.74E+01	3.50E+01	pCi/kg	UI
1114.1	586836004	7/5/2022	Americium-241	7.26E+00	9.53E+00	3.03E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Antimony-124	8.79E-01	3.94E+00	1.33E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Antimony-125	2.63E-01	5.06E+00	1.71E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Barium-140	-2.03E+01	2.01E+01	6.43E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Beryllium-7	3.36E+01	2.13E+01	6.87E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Bismuth-214	1.58E+00	7.56E+00	1.38E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Cerium-141	-3.74E+00	3.83E+00	1.20E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Cerium-144	-2.37E+01	1.11E+01	3.37E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Cesium-134	-5.81E-01	2.24E+00	7.16E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Cesium-137	-2.76E+00	2.66E+00	6.83E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Chromium-51	3.23E+01	2.27E+01	8.08E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Cobalt-57	-4.12E-01	1.47E+00	4.74E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Cobalt-58	2.23E+00	2.50E+00	8.42E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Cobalt-60	3.44E+00	2.94E+00	6.76E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Iodine-131	-7.65E+00	9.32E+00	3.09E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Iron-59	-3.57E+00	5.06E+00	1.65E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Lanthanum-140	6.32E-01	5.87E+00	1.72E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Lead-210	5.25E+02	5.00E+02	7.88E+02	pCi/kg	U
1114.1	586836004	7/5/2022	Lead-212	1.06E+01	6.71E+00	1.24E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Lead-214	-5.57E+00	5.55E+00	1.42E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Manganese-54	-2.06E+00	2.34E+00	7.25E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Molybdenum-99	-2.46E+03	2.47E+03	7.65E+03	pCi/kg	U
1114.1	586836004	7/5/2022	Niobium-95	5.69E+00	2.51E+00	8.94E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Potassium-40	3.71E+03	1.13E+02	6.04E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Radium-226	1.58E+00	7.56E+00	1.38E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Radium-228	4.03E+01	1.74E+01	3.50E+01	pCi/kg	UI
1114.1	586836004	7/5/2022	Ruthenium-103	2.72E+00	2.43E+00	8.46E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Ruthenium-106	1.16E-01	1.97E+01	6.48E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Selenium-75	-4.23E+00	2.79E+00	8.28E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Silver-108m	-2.94E+00	2.36E+00	5.88E+00	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.1	586836004	7/5/2022	Silver-110m	2.30E+00	3.47E+00	1.04E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Tellurium-132	-6.46E+01	1.19E+02	3.70E+02	pCi/kg	U
1114.1	586836004	7/5/2022	Thallium-208	5.12E-02	2.70E+00	7.68E+00	pCi/kg	U
1114.1	586836004	7/5/2022	Thorium-228	1.06E+01	6.71E+00	1.24E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Thorium-230	1.58E+00	7.56E+00	1.38E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Thorium-232	4.03E+01	1.74E+01	3.50E+01	pCi/kg	UI
1114.1	586836004	7/5/2022	Thorium-234	1.98E+02	1.42E+02	3.04E+02	pCi/kg	U
1114.1	586836004	7/5/2022	Uranium-234	1.58E+00	7.56E+00	1.38E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Zinc-65	-9.52E-01	4.99E+00	1.68E+01	pCi/kg	U
1114.1	586836004	7/5/2022	Zirconium-95	-2.86E+00	4.26E+00	1.34E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Actinium-228	2.77E+00	1.73E+01	4.95E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Actinium-228	3.21E+00	1.49E+01	4.89E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Americium-241	-1.28E+01	2.78E+01	8.39E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Americium-241	8.52E+01	3.39E+01	4.59E+01	pCi/kg	UI
1114.2	582793004	6/13/2022	Antimony-124	5.26E+00	7.39E+00	2.63E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Antimony-124	4.79E+00	4.77E+00	1.82E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Antimony-125	-7.97E+00	7.44E+00	2.35E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Antimony-125	-4.94E+00	7.29E+00	2.04E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Barium-140	-2.84E+01	1.76E+01	5.25E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Barium-140	-7.18E+00	1.09E+01	3.56E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Beryllium-7	1.12E+02	4.74E+01	8.89E+01	pCi/kg	UI
1114.2	587445002	7/25/2022	Beryllium-7	-1.07E+01	2.74E+01	7.52E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Bismuth-214	1.16E+01	1.35E+01	2.55E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Bismuth-214	8.67E+00	7.02E+00	2.27E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Cerium-141	-4.05E+00	5.23E+00	1.63E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Cerium-141	-1.90E+00	3.80E+00	1.27E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Cerium-144	-2.46E+00	1.89E+01	6.07E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Cerium-144	-2.98E+00	1.54E+01	5.24E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Cesium-134	-7.69E+00	3.96E+00	8.79E+00	pCi/kg	U
1114.2	587445002	7/25/2022	Cesium-134	-1.41E+00	3.22E+00	1.03E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Cesium-137	1.73E+01	6.30E+00	9.90E+00	pCi/kg	UI
1114.2	587445002	7/25/2022	Cesium-137	5.67E+00	2.48E+00	9.60E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Chromium-51	-9.44E+00	2.88E+01	9.72E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Chromium-51	1.24E+01	2.28E+01	7.64E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Cobalt-57	1.49E+00	2.37E+00	7.88E+00	pCi/kg	U
1114.2	587445002	7/25/2022	Cobalt-57	-1.10E+00	1.86E+00	6.23E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Cobalt-58	4.99E+00	3.91E+00	1.36E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Cobalt-58	7.92E-01	2.60E+00	8.80E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Cobalt-60	3.02E+00	3.41E+00	1.23E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Cobalt-60	-1.61E+00	3.18E+00	1.02E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Iodine-131	-9.71E+00	6.10E+00	1.92E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Iodine-131	-2.21E+00	3.59E+00	1.13E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Iron-59	-1.14E+00	6.72E+00	2.24E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Iron-59	8.16E+00	6.07E+00	2.17E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Lanthanum-140	5.21E+00	5.69E+00	2.06E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Lanthanum-140	0.00E+00	3.95E+00	1.31E+01	pCi/kg	U

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1114.2	582793004	6/13/2022	Lead-210	4.73E+02	1.15E+03	3.92E+03	pCi/kg	U
1114.2	587445002	7/25/2022	Lead-210	1.83E+02	6.02E+02	1.96E+03	pCi/kg	U
1114.2	582793004	6/13/2022	Lead-212	2.68E+00	1.19E+01	2.64E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Lead-212	1.42E+01	9.91E+00	1.87E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Lead-214	3.75E+00	1.32E+01	2.72E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Lead-214	4.25E+00	6.95E+00	2.11E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Manganese-54	-2.45E+00	3.14E+00	9.45E+00	pCi/kg	U
1114.2	587445002	7/25/2022	Manganese-54	-2.40E+00	2.78E+00	8.57E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Molybdenum-99	-3.63E+01	2.95E+02	7.55E+02	pCi/kg	U
1114.2	587445002	7/25/2022	Molybdenum-99	-1.43E+01	5.57E+01	1.82E+02	pCi/kg	U
1114.2	582793004	6/13/2022	Niobium-95	-2.43E+00	3.94E+00	1.22E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Niobium-95	7.61E-02	2.98E+00	8.72E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Potassium-40	1.46E+03	1.27E+02	1.15E+02	pCi/kg	U
1114.2	587445002	7/25/2022	Potassium-40	2.96E+03	1.37E+02	1.04E+02	pCi/kg	U
1114.2	582793004	6/13/2022	Radium-226	1.16E+01	1.35E+01	2.55E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Radium-226	8.67E+00	7.02E+00	2.27E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Radium-228	2.77E+00	1.73E+01	4.95E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Radium-228	3.21E+00	1.49E+01	4.89E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Ruthenium-103	-3.15E+00	3.08E+00	9.64E+00	pCi/kg	U
1114.2	587445002	7/25/2022	Ruthenium-103	-4.12E-01	2.70E+00	8.50E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Ruthenium-106	4.49E+01	2.54E+01	9.31E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Ruthenium-106	6.62E+01	2.57E+01	9.83E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Selenium-75	-3.91E+00	4.43E+00	1.32E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Selenium-75	-5.94E+00	3.34E+00	1.02E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Silver-108m	-1.71E+00	2.49E+00	8.05E+00	pCi/kg	U
1114.2	587445002	7/25/2022	Silver-108m	-9.07E-02	2.39E+00	7.64E+00	pCi/kg	U
1114.2	582793004	6/13/2022	Silver-110m	5.40E+00	3.74E+00	1.36E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Silver-110m	-5.19E+00	4.36E+00	1.19E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Tellurium-132	1.20E+01	1.97E+01	6.34E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Tellurium-132	5.79E+00	5.01E+00	1.74E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Thallium-208	-1.29E+01	4.82E+00	1.27E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Thallium-208	-7.40E+00	3.57E+00	1.06E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Thorium-228	2.68E+00	1.19E+01	2.64E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Thorium-228	1.42E+01	9.91E+00	1.87E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Thorium-230	1.16E+01	1.35E+01	2.55E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Thorium-230	8.67E+00	7.02E+00	2.27E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Thorium-232	2.77E+00	1.73E+01	4.95E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Thorium-232	3.21E+00	1.49E+01	4.89E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Thorium-234	2.29E+02	3.43E+02	6.39E+02	pCi/kg	U
1114.2	587445002	7/25/2022	Thorium-234	4.79E+02	2.60E+02	3.93E+02	pCi/kg	UI
1114.2	582793004	6/13/2022	Uranium-234	1.16E+01	1.35E+01	2.55E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Uranium-234	8.67E+00	7.02E+00	2.27E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Zinc-65	-9.09E-01	7.00E+00	2.34E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Zinc-65	-9.44E+00	6.79E+00	1.92E+01	pCi/kg	U
1114.2	582793004	6/13/2022	Zirconium-95	-2.69E+00	5.58E+00	1.73E+01	pCi/kg	U
1114.2	587445002	7/25/2022	Zirconium-95	8.94E+00	5.00E+00	1.85E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.3	586836005	7/5/2022	Actinium-228	-2.78E+00	1.36E+01	3.67E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Actinium-228	7.76E+00	1.22E+01	3.10E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Americium-241	-5.77E+00	8.26E+00	2.47E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Americium-241	6.32E+00	8.46E+00	2.90E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Antimony-124	-2.26E+00	5.14E+00	1.53E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Antimony-124	-3.25E+00	4.27E+00	1.24E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Antimony-125	-5.11E+00	5.78E+00	1.87E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Antimony-125	-5.76E+00	5.41E+00	1.50E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Barium-140	2.45E+01	2.17E+01	7.58E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Barium-140	-7.61E+00	7.74E+00	2.40E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Beryllium-7	3.72E+00	2.14E+01	7.19E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Beryllium-7	7.14E+00	1.41E+01	4.83E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Bismuth-214	3.48E+01	1.14E+01	2.16E+01	pCi/kg	UI
1114.3	587445001	7/25/2022	Bismuth-214	-6.10E+00	5.31E+00	1.41E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Cerium-141	-1.36E+01	6.50E+00	1.27E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Cerium-141	5.98E-01	2.68E+00	8.06E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Cerium-144	2.22E+01	1.26E+01	4.04E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Cerium-144	9.52E+00	1.03E+01	3.46E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Cesium-134	-1.02E+00	2.90E+00	9.17E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Cesium-134	-3.24E+00	2.02E+00	5.53E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Cesium-137	-3.13E-01	3.45E+00	8.29E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Cesium-137	4.36E-01	1.85E+00	6.13E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Chromium-51	2.13E+01	2.60E+01	9.13E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Chromium-51	2.18E+00	1.44E+01	4.95E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Cobalt-57	1.56E+00	1.48E+00	4.97E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Cobalt-57	2.97E+00	1.31E+00	4.64E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Cobalt-58	-4.30E+00	2.86E+00	8.35E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Cobalt-58	-1.33E+00	1.95E+00	5.89E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Cobalt-60	5.75E-01	2.28E+00	7.77E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Cobalt-60	1.61E+00	2.68E+00	8.31E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Iodine-131	7.46E+00	1.12E+01	3.89E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Iodine-131	2.27E-01	2.25E+00	7.66E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Iron-59	-3.37E+00	5.78E+00	1.89E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Iron-59	-6.69E+00	3.82E+00	1.10E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Lanthanum-140	-8.80E-01	8.30E+00	2.71E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Lanthanum-140	4.46E+00	2.03E+00	8.57E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Lead-210	-4.07E+02	2.52E+02	6.19E+02	pCi/kg	U
1114.3	587445001	7/25/2022	Lead-210	4.69E+02	5.66E+02	6.81E+02	pCi/kg	U
1114.3	586836005	7/5/2022	Lead-212	-5.90E+00	6.20E+00	1.48E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Lead-212	2.68E+00	6.13E+00	1.48E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Lead-214	2.43E+00	4.60E+00	1.59E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Lead-214	1.07E+01	5.56E+00	1.49E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Manganese-54	4.73E+00	2.33E+00	8.41E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Manganese-54	-8.20E-02	1.89E+00	6.03E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Molybdenum-99	-1.99E+03	2.70E+03	8.38E+03	pCi/kg	U
1114.3	587445001	7/25/2022	Molybdenum-99	-3.31E+01	3.44E+01	1.02E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.3	586836005	7/5/2022	Niobium-95	-5.74E+00	3.40E+00	9.22E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Niobium-95	1.21E+00	2.17E+00	6.50E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Potassium-40	1.55E+03	1.06E+02	7.95E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Potassium-40	2.14E+03	1.01E+02	5.36E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Radium-226	3.48E+01	1.14E+01	2.16E+01	pCi/kg	UI
1114.3	587445001	7/25/2022	Radium-226	-6.10E+00	5.31E+00	1.41E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Radium-228	-2.78E+00	1.36E+01	3.67E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Radium-228	7.76E+00	1.22E+01	3.10E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Ruthenium-103	1.14E+00	2.94E+00	9.96E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Ruthenium-103	-2.62E+00	1.59E+00	4.67E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Ruthenium-106	-1.20E+01	2.29E+01	6.48E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Ruthenium-106	1.05E+00	1.78E+01	5.86E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Selenium-75	-5.25E+00	2.93E+00	8.35E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Selenium-75	-1.73E+00	2.32E+00	6.91E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Silver-108m	-1.14E-01	1.89E+00	6.33E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Silver-108m	2.62E+00	2.32E+00	4.79E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Silver-110m	-2.30E+00	3.34E+00	8.85E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Silver-110m	-3.98E-01	2.61E+00	8.19E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Tellurium-132	2.25E+01	1.25E+02	3.95E+02	pCi/kg	U
1114.3	587445001	7/25/2022	Tellurium-132	-3.74E+00	3.26E+00	9.62E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Thallium-208	-6.34E+00	4.02E+00	9.62E+00	pCi/kg	U
1114.3	587445001	7/25/2022	Thallium-208	1.79E+00	3.88E+00	5.15E+00	pCi/kg	U
1114.3	586836005	7/5/2022	Thorium-228	-5.90E+00	6.20E+00	1.48E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Thorium-228	2.68E+00	6.13E+00	1.48E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Thorium-230	3.48E+01	1.14E+01	2.16E+01	pCi/kg	UI
1114.3	587445001	7/25/2022	Thorium-230	-6.10E+00	5.31E+00	1.41E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Thorium-232	-2.78E+00	1.36E+01	3.67E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Thorium-232	7.76E+00	1.22E+01	3.10E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Thorium-234	2.71E+02	1.21E+02	2.20E+02	pCi/kg	UI
1114.3	587445001	7/25/2022	Thorium-234	-1.23E+01	1.02E+02	3.41E+02	pCi/kg	U
1114.3	586836005	7/5/2022	Uranium-234	3.48E+01	1.14E+01	2.16E+01	pCi/kg	UI
1114.3	587445001	7/25/2022	Uranium-234	-6.10E+00	5.31E+00	1.41E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Zinc-65	6.36E-01	5.33E+00	1.82E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Zinc-65	4.46E+00	5.02E+00	1.78E+01	pCi/kg	U
1114.3	586836005	7/5/2022	Zirconium-95	2.82E+00	4.57E+00	1.54E+01	pCi/kg	U
1114.3	587445001	7/25/2022	Zirconium-95	-1.71E+00	3.36E+00	1.04E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Actinium-228	3.51E+01	1.70E+01	4.02E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Americium-241	-1.44E+01	2.03E+01	6.69E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Antimony-124	-9.10E-01	4.93E+00	1.57E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Antimony-125	-1.29E+01	5.82E+00	1.75E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Barium-140	1.78E+01	1.18E+01	4.25E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Beryllium-7	-1.28E+01	1.85E+01	5.97E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Bismuth-214	1.97E+01	1.22E+01	2.05E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Cerium-141	-2.08E-02	3.61E+00	1.17E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Cerium-144	-5.10E+00	1.34E+01	4.32E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Cesium-134	5.09E+00	3.31E+00	1.05E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.4	582793006	6/13/2022	Cesium-137	4.97E+00	2.21E+00	8.07E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Chromium-51	8.45E+00	1.94E+01	6.77E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Cobalt-57	1.56E+00	1.75E+00	5.89E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Cobalt-58	3.22E+00	2.41E+00	8.52E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Cobalt-60	-8.84E-01	2.77E+00	8.99E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Iodine-131	4.11E+00	4.67E+00	1.64E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Iron-59	9.81E+00	6.57E+00	2.40E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Lanthanum-140	3.10E+00	3.17E+00	1.18E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Lead-210	-1.53E+03	1.27E+03	2.99E+03	pCi/kg	U
1114.4	582793006	6/13/2022	Lead-212	6.49E-01	8.54E+00	1.40E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Lead-214	-7.70E+00	6.16E+00	1.73E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Manganese-54	-3.39E+00	2.65E+00	7.76E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Molybdenum-99	2.29E+02	1.58E+02	5.67E+02	pCi/kg	U
1114.4	582793006	6/13/2022	Niobium-95	1.84E-01	2.60E+00	8.45E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Potassium-40	4.42E+03	1.54E+02	5.63E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Radium-226	1.97E+01	1.22E+01	2.05E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Radium-228	3.51E+01	1.70E+01	4.02E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Ruthenium-103	2.01E+00	2.18E+00	7.64E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Ruthenium-106	1.68E+01	2.29E+01	7.12E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Selenium-75	2.82E+00	3.02E+00	9.86E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Silver-108m	1.06E+00	1.90E+00	6.56E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Silver-110m	-2.09E+00	3.69E+00	1.14E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Tellurium-132	-1.87E+00	1.40E+01	4.40E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Thallium-208	7.43E+00	4.66E+00	7.66E+00	pCi/kg	U
1114.4	582793006	6/13/2022	Thorium-228	6.49E-01	8.54E+00	1.40E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Thorium-230	1.97E+01	1.22E+01	2.05E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Thorium-232	3.51E+01	1.70E+01	4.02E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Thorium-234	-1.46E+02	1.93E+02	5.28E+02	pCi/kg	U
1114.4	582793006	6/13/2022	Uranium-234	1.97E+01	1.22E+01	2.05E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Zinc-65	-3.14E+00	6.36E+00	2.09E+01	pCi/kg	U
1114.4	582793006	6/13/2022	Zirconium-95	3.07E+00	4.71E+00	1.59E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Actinium-228	-1.39E+01	1.77E+01	4.67E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Americium-241	3.29E+01	2.08E+01	6.71E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Antimony-124	-9.65E+00	6.28E+00	1.56E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Antimony-125	-1.32E+01	7.16E+00	2.13E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Barium-140	8.52E+00	1.40E+01	4.74E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Beryllium-7	-8.18E+00	2.26E+01	7.26E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Bismuth-214	4.32E+00	1.06E+01	2.39E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cerium-141	3.74E+00	7.68E+00	1.31E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cerium-144	-5.26E+00	1.68E+01	5.21E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cesium-134	-9.51E-02	3.28E+00	1.04E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cesium-137	6.15E+00	3.29E+00	1.17E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Chromium-51	2.40E+00	2.68E+01	8.12E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cobalt-57	-6.75E-02	2.18E+00	6.87E+00	pCi/kg	U
1114.5	582793003	6/13/2022	Cobalt-58	2.03E+00	3.37E+00	1.12E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Cobalt-60	9.92E-01	3.20E+00	1.09E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.5	582793003	6/13/2022	Iodine-131	-1.08E+00	5.35E+00	1.77E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Iron-59	1.78E+00	5.62E+00	1.93E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Lanthanum-140	-9.20E-01	4.79E+00	1.52E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Lead-210	5.28E+02	7.73E+02	2.59E+03	pCi/kg	U
1114.5	582793003	6/13/2022	Lead-212	-2.31E+00	6.53E+00	2.00E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Lead-214	-1.10E+01	8.08E+00	2.14E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Manganese-54	-1.75E+00	2.81E+00	8.46E+00	pCi/kg	U
1114.5	582793003	6/13/2022	Molybdenum-99	-3.77E+01	1.85E+02	5.81E+02	pCi/kg	U
1114.5	582793003	6/13/2022	Niobium-95	5.89E+00	3.32E+00	1.18E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Potassium-40	2.05E+03	1.30E+02	8.97E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Radium-226	4.32E+00	1.06E+01	2.39E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Radium-228	-1.39E+01	1.77E+01	4.67E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Ruthenium-103	-4.54E+00	2.63E+00	7.63E+00	pCi/kg	U
1114.5	582793003	6/13/2022	Ruthenium-106	-1.81E-01	2.31E+01	7.48E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Selenium-75	-8.76E-01	3.63E+00	1.22E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Silver-108m	3.27E+00	2.36E+00	8.34E+00	pCi/kg	U
1114.5	582793003	6/13/2022	Silver-110m	-6.32E+00	3.56E+00	1.05E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Tellurium-132	-9.17E+00	1.53E+01	5.09E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Thallium-208	3.38E-01	5.30E+00	9.81E+00	pCi/kg	U
1114.5	582793003	6/13/2022	Thorium-228	-2.31E+00	6.53E+00	2.00E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Thorium-230	4.32E+00	1.06E+01	2.39E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Thorium-232	-1.39E+01	1.77E+01	4.67E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Thorium-234	4.04E+02	3.37E+02	5.15E+02	pCi/kg	U
1114.5	582793003	6/13/2022	Uranium-234	4.32E+00	1.06E+01	2.39E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Zinc-65	2.11E+00	5.55E+00	1.92E+01	pCi/kg	U
1114.5	582793003	6/13/2022	Zirconium-95	4.71E+00	5.45E+00	1.84E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Actinium-228	1.01E+01	2.41E+01	3.94E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Americium-241	2.33E-01	2.58E+00	8.30E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Antimony-124	2.98E+00	6.58E+00	2.31E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Antimony-125	-5.80E+00	5.93E+00	1.89E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Barium-140	-6.21E+01	2.22E+01	6.01E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Beryllium-7	2.80E+01	2.30E+01	8.03E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Bismuth-214	4.16E+00	7.40E+00	1.95E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Cerium-141	-1.45E+00	3.44E+00	1.11E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Cerium-144	5.68E-01	9.50E+00	3.13E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Cesium-134	3.15E+00	2.74E+00	9.90E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Cesium-137	1.17E+01	5.33E+00	8.77E+00	pCi/kg	UI
1114.6	586836006	7/5/2022	Chromium-51	3.18E+00	2.58E+01	8.85E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Cobalt-57	1.05E+00	1.17E+00	3.98E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Cobalt-58	1.78E+00	2.62E+00	9.23E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Cobalt-60	-1.01E+00	2.65E+00	8.26E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Iodine-131	-2.37E+00	1.03E+01	3.43E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Iron-59	-4.23E+00	7.75E+00	2.12E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Lanthanum-140	2.27E+00	7.78E+00	2.39E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Lead-210	1.24E+02	6.18E+01	7.97E+01	pCi/kg	UI
1114.6	586836006	7/5/2022	Lead-212	3.21E+00	5.78E+00	1.27E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1114.6	586836006	7/5/2022	Lead-214	5.34E+00	8.24E+00	1.70E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Manganese-54	6.61E+00	2.40E+00	9.36E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Molybdenum-99	5.77E+02	2.66E+03	8.58E+03	pCi/kg	U
1114.6	586836006	7/5/2022	Niobium-95	4.91E-01	3.26E+00	1.04E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Potassium-40	8.28E+02	1.20E+02	9.12E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Radium-226	4.16E+00	7.40E+00	1.95E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Radium-228	1.01E+01	2.41E+01	3.94E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Ruthenium-103	2.59E+00	2.75E+00	9.50E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Ruthenium-106	-1.83E+00	2.27E+01	7.29E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Selenium-75	2.52E+00	2.68E+00	8.73E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Silver-108m	1.00E-01	1.85E+00	6.19E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Silver-110m	1.18E+01	6.61E+00	1.28E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Tellurium-132	6.84E+01	1.12E+02	3.62E+02	pCi/kg	U
1114.6	586836006	7/5/2022	Thallium-208	1.54E+00	4.71E+00	7.78E+00	pCi/kg	U
1114.6	586836006	7/5/2022	Thorium-228	3.21E+00	5.78E+00	1.27E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Thorium-230	4.16E+00	7.40E+00	1.95E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Thorium-232	1.01E+01	2.41E+01	3.94E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Thorium-234	2.39E+01	6.32E+01	8.05E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Uranium-234	4.16E+00	7.40E+00	1.95E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Zinc-65	-3.84E+00	6.58E+00	2.08E+01	pCi/kg	U
1114.6	586836006	7/5/2022	Zirconium-95	1.96E+00	5.23E+00	1.70E+01	pCi/kg	U
1246	582793005	6/13/2022	Actinium-228	6.64E+00	1.52E+01	4.68E+01	pCi/kg	U
1246	582793005	6/13/2022	Americium-241	-3.61E+00	4.23E+00	1.27E+01	pCi/kg	U
1246	582793005	6/13/2022	Antimony-124	3.64E+00	5.85E+00	2.04E+01	pCi/kg	U
1246	582793005	6/13/2022	Antimony-125	-1.02E+00	6.77E+00	1.99E+01	pCi/kg	U
1246	582793005	6/13/2022	Barium-140	-2.20E-01	1.57E+01	5.11E+01	pCi/kg	U
1246	582793005	6/13/2022	Beryllium-7	7.32E+00	2.05E+01	6.87E+01	pCi/kg	U
1246	582793005	6/13/2022	Bismuth-214	7.85E+00	6.07E+00	2.10E+01	pCi/kg	U
1246	582793005	6/13/2022	Cerium-141	2.36E+00	6.68E+00	1.04E+01	pCi/kg	U
1246	582793005	6/13/2022	Cerium-144	-3.07E+00	1.12E+01	3.56E+01	pCi/kg	U
1246	582793005	6/13/2022	Cesium-134	1.84E-01	3.47E+00	1.10E+01	pCi/kg	U
1246	582793005	6/13/2022	Cesium-137	-1.33E+00	3.13E+00	9.81E+00	pCi/kg	U
1246	582793005	6/13/2022	Chromium-51	1.37E+00	2.09E+01	7.09E+01	pCi/kg	U
1246	582793005	6/13/2022	Cobalt-57	7.84E-01	1.40E+00	4.62E+00	pCi/kg	U
1246	582793005	6/13/2022	Cobalt-58	1.81E+00	3.16E+00	1.11E+01	pCi/kg	U
1246	582793005	6/13/2022	Cobalt-60	-2.05E+00	3.01E+00	9.17E+00	pCi/kg	U
1246	582793005	6/13/2022	Iodine-131	2.41E+00	5.00E+00	1.71E+01	pCi/kg	U
1246	582793005	6/13/2022	Iron-59	-4.87E+00	6.58E+00	2.07E+01	pCi/kg	U
1246	582793005	6/13/2022	Lanthanum-140	1.32E+00	5.83E+00	1.92E+01	pCi/kg	U
1246	582793005	6/13/2022	Lead-210	-1.44E+01	5.31E+01	1.69E+02	pCi/kg	U
1246	582793005	6/13/2022	Lead-212	-1.58E+00	4.52E+00	1.47E+01	pCi/kg	U
1246	582793005	6/13/2022	Lead-214	-3.92E-01	6.20E+00	1.81E+01	pCi/kg	U
1246	582793005	6/13/2022	Manganese-54	-7.89E-01	3.11E+00	1.04E+01	pCi/kg	U
1246	582793005	6/13/2022	Molybdenum-99	2.51E+02	2.26E+02	7.69E+02	pCi/kg	U
1246	582793005	6/13/2022	Niobium-95	1.83E+00	3.13E+00	9.35E+00	pCi/kg	U
1246	582793005	6/13/2022	Potassium-40	3.84E+03	1.56E+02	9.25E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1246	582793005	6/13/2022	Radium-226	7.85E+00	6.07E+00	2.10E+01	pCi/kg	U
1246	582793005	6/13/2022	Radium-228	6.64E+00	1.52E+01	4.68E+01	pCi/kg	U
1246	582793005	6/13/2022	Ruthenium-103	3.51E-01	2.56E+00	8.47E+00	pCi/kg	U
1246	582793005	6/13/2022	Ruthenium-106	-3.16E+00	2.51E+01	8.05E+01	pCi/kg	U
1246	582793005	6/13/2022	Selenium-75	1.66E+00	2.66E+00	9.31E+00	pCi/kg	U
1246	582793005	6/13/2022	Silver-108m	4.66E+00	3.33E+00	6.65E+00	pCi/kg	U
1246	582793005	6/13/2022	Silver-110m	-1.83E+00	4.02E+00	1.32E+01	pCi/kg	U
1246	582793005	6/13/2022	Tellurium-132	2.00E+01	1.14E+01	3.86E+01	pCi/kg	U
1246	582793005	6/13/2022	Thallium-208	-5.42E+00	4.00E+00	1.05E+01	pCi/kg	U
1246	582793005	6/13/2022	Thorium-228	-1.58E+00	4.52E+00	1.47E+01	pCi/kg	U
1246	582793005	6/13/2022	Thorium-230	7.85E+00	6.07E+00	2.10E+01	pCi/kg	U
1246	582793005	6/13/2022	Thorium-232	6.64E+00	1.52E+01	4.68E+01	pCi/kg	U
1246	582793005	6/13/2022	Thorium-234	8.01E+01	8.67E+01	2.18E+02	pCi/kg	U
1246	582793005	6/13/2022	Uranium-234	7.85E+00	6.07E+00	2.10E+01	pCi/kg	U
1246	582793005	6/13/2022	Zinc-65	-7.02E+00	7.15E+00	2.22E+01	pCi/kg	U
1246	582793005	6/13/2022	Zirconium-95	2.38E+00	5.61E+00	1.75E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Actinium-228	4.68E+01	2.07E+01	5.86E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Actinium-228	-1.43E+01	1.26E+01	3.48E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Americium-241	-4.38E+00	1.35E+01	3.87E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Americium-241	-2.63E+01	2.00E+01	6.31E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Antimony-124	-2.45E+00	8.79E+00	2.73E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Antimony-124	1.48E+00	5.28E+00	1.81E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Antimony-125	1.02E+00	8.63E+00	2.83E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Antimony-125	3.36E+00	6.82E+00	2.36E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Barium-140	1.13E+01	1.91E+01	6.35E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Barium-140	-1.37E+01	1.25E+01	3.88E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Beryllium-7	1.05E+02	4.77E+01	7.30E+01	pCi/kg	UI
1246.2	587445003	7/25/2022	Beryllium-7	-9.19E+00	2.07E+01	6.75E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Bismuth-214	1.81E+01	1.32E+01	2.69E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Bismuth-214	1.58E+01	9.00E+00	1.63E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Cerium-141	-9.60E+00	6.37E+00	1.67E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cerium-141	-2.32E-01	4.05E+00	1.31E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Cerium-144	1.54E+01	2.14E+01	5.57E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cerium-144	-8.56E-01	1.47E+01	4.78E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Cesium-134	4.99E+00	5.89E+00	1.54E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cesium-134	1.25E+00	2.81E+00	9.45E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Cesium-137	3.54E+00	4.24E+00	1.41E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cesium-137	8.40E+00	4.08E+00	8.86E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Chromium-51	-3.49E+01	3.00E+01	9.37E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Chromium-51	3.15E+00	2.24E+01	7.01E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Cobalt-57	-1.61E+00	2.22E+00	7.44E+00	pCi/kg	U
1246.2	587445003	7/25/2022	Cobalt-57	-7.12E-02	1.88E+00	6.14E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Cobalt-58	1.47E+00	3.30E+00	1.14E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cobalt-58	1.55E+00	2.44E+00	8.35E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Cobalt-60	-4.57E+00	4.06E+00	1.19E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Cobalt-60	-9.08E-01	3.27E+00	1.06E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1246.2	582793001	6/13/2022	Iodine-131	-2.75E+00	6.53E+00	2.09E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Iodine-131	-5.25E+00	3.80E+00	1.21E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Iron-59	3.52E+00	8.14E+00	2.77E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Iron-59	9.61E+00	5.98E+00	2.23E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Lanthanum-140	6.90E+00	5.80E+00	2.13E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Lanthanum-140	-7.02E+00	5.45E+00	1.21E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Lead-210	-3.59E+02	3.42E+02	9.31E+02	pCi/kg	U
1246.2	587445003	7/25/2022	Lead-210	-4.37E+02	1.25E+03	3.69E+03	pCi/kg	U
1246.2	582793001	6/13/2022	Lead-212	2.79E+01	1.14E+01	2.39E+01	pCi/kg	UI
1246.2	587445003	7/25/2022	Lead-212	5.88E+00	6.87E+00	1.56E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Lead-214	2.58E+01	2.00E+01	2.76E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Lead-214	9.31E+00	1.00E+01	2.29E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Manganese-54	5.21E+00	3.31E+00	1.22E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Manganese-54	1.92E+00	2.62E+00	8.97E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Molybdenum-99	-3.81E+02	2.67E+02	8.30E+02	pCi/kg	U
1246.2	587445003	7/25/2022	Molybdenum-99	1.59E+02	8.06E+01	2.98E+02	pCi/kg	U
1246.2	582793001	6/13/2022	Niobium-95	1.79E+00	3.32E+00	1.16E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Niobium-95	5.19E+00	2.38E+00	9.16E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Potassium-40	1.58E+03	1.20E+02	8.69E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Potassium-40	2.44E+03	1.42E+02	9.20E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Radium-226	1.81E+01	1.32E+01	2.69E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Radium-226	1.58E+01	9.00E+00	1.63E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Radium-228	4.68E+01	2.07E+01	5.86E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Radium-228	-1.43E+01	1.26E+01	3.48E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Ruthenium-103	4.72E+00	3.60E+00	1.24E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Ruthenium-103	-3.85E+00	2.34E+00	6.90E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Ruthenium-106	-2.22E+01	3.39E+01	1.04E+02	pCi/kg	U
1246.2	587445003	7/25/2022	Ruthenium-106	-7.62E+00	2.13E+01	6.82E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Selenium-75	8.98E-02	4.06E+00	1.35E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Selenium-75	-6.67E+00	3.57E+00	1.00E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Silver-108m	-2.54E+00	2.64E+00	8.07E+00	pCi/kg	U
1246.2	587445003	7/25/2022	Silver-108m	-1.88E+00	2.14E+00	6.82E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Silver-110m	-3.26E+00	5.26E+00	1.70E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Silver-110m	-6.86E-01	4.37E+00	1.22E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Tellurium-132	-8.66E+00	1.75E+01	5.76E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Tellurium-132	8.36E-01	6.23E+00	1.99E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Thallium-208	-5.23E+00	5.23E+00	1.35E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Thallium-208	6.89E+00	5.41E+00	9.06E+00	pCi/kg	U
1246.2	582793001	6/13/2022	Thorium-228	2.79E+01	1.14E+01	2.39E+01	pCi/kg	UI
1246.2	587445003	7/25/2022	Thorium-228	5.88E+00	6.87E+00	1.56E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Thorium-230	1.81E+01	1.32E+01	2.69E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Thorium-230	1.58E+01	9.00E+00	1.63E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Thorium-232	4.68E+01	2.07E+01	5.86E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Thorium-232	-1.43E+01	1.26E+01	3.48E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Thorium-234	1.32E+01	1.93E+02	3.36E+02	pCi/kg	U
1246.2	587445003	7/25/2022	Thorium-234	-1.97E+02	2.01E+02	6.11E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1246.2	582793001	6/13/2022	Uranium-234	1.81E+01	1.32E+01	2.69E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Uranium-234	1.58E+01	9.00E+00	1.63E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Zinc-65	8.20E+00	7.70E+00	2.74E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Zinc-65	2.48E+00	6.11E+00	2.13E+01	pCi/kg	U
1246.2	582793001	6/13/2022	Zirconium-95	-7.74E+00	5.85E+00	1.80E+01	pCi/kg	U
1246.2	587445003	7/25/2022	Zirconium-95	-5.59E-01	4.17E+00	1.34E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Actinium-228	7.27E+00	1.12E+01	1.94E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Actinium-228	3.82E+01	1.84E+01	5.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Americium-241	1.85E+00	4.73E+00	1.59E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Americium-241	-1.71E+01	1.51E+01	4.92E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Antimony-124	-8.11E-01	2.62E+00	8.16E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Antimony-124	-1.70E+00	6.40E+00	2.06E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Antimony-125	-3.72E+00	2.54E+00	7.92E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Antimony-125	3.94E+00	8.33E+00	2.85E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Barium-140	6.60E+00	1.04E+01	3.53E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Barium-140	-2.61E+00	1.32E+01	4.27E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Beryllium-7	2.15E+01	1.04E+01	3.74E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Beryllium-7	6.35E+01	3.72E+01	8.56E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Bismuth-214	-5.73E+00	3.70E+00	7.69E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Bismuth-214	-5.03E+00	8.55E+00	2.58E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cerium-141	1.75E-01	2.22E+00	7.12E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cerium-141	-1.22E+01	4.75E+00	1.21E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cerium-144	6.32E+00	6.43E+00	2.12E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Cerium-144	-4.10E+00	1.62E+01	5.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cesium-134	1.72E+00	1.50E+00	4.62E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cesium-134	1.34E+00	3.90E+00	1.35E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cesium-137	6.00E-01	1.19E+00	3.96E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cesium-137	3.55E+00	5.52E+00	9.84E+00	pCi/kg	U
1246.3	586836001	7/5/2022	Chromium-51	1.69E+01	1.30E+01	4.60E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Chromium-51	6.91E+00	2.18E+01	7.57E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cobalt-57	-6.18E-01	7.92E-01	2.50E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cobalt-57	1.07E+00	2.29E+00	7.70E+00	pCi/kg	U
1246.3	586836001	7/5/2022	Cobalt-58	-1.71E+00	1.47E+00	3.75E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cobalt-58	-1.19E-01	3.15E+00	1.06E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Cobalt-60	9.25E-01	1.35E+00	4.65E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Cobalt-60	3.65E+00	4.74E+00	1.53E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Iodine-131	-7.80E+00	5.36E+00	1.71E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Iodine-131	1.99E+00	3.61E+00	1.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Iron-59	1.66E+00	3.58E+00	1.22E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Iron-59	-1.76E+01	7.84E+00	2.18E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Lanthanum-140	-1.87E+00	2.67E+00	7.85E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Lanthanum-140	9.84E+00	4.29E+00	1.78E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Lead-210	-8.07E+02	1.71E+02	4.75E+02	pCi/kg	U
1246.3	587445005	7/25/2022	Lead-210	-1.26E+03	6.10E+02	1.63E+03	pCi/kg	U
1246.3	586836001	7/5/2022	Lead-212	1.50E+00	3.33E+00	5.28E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Lead-212	1.13E+01	9.10E+00	2.10E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1246.3	586836001	7/5/2022	Lead-214	4.24E+00	4.43E+00	8.42E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Lead-214	2.53E+00	1.13E+01	2.41E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Manganese-54	-8.19E-01	1.24E+00	3.78E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Manganese-54	4.07E-01	3.54E+00	1.20E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Molybdenum-99	1.63E+03	1.38E+03	4.73E+03	pCi/kg	U
1246.3	587445005	7/25/2022	Molybdenum-99	-7.42E+01	6.36E+01	1.81E+02	pCi/kg	U
1246.3	586836001	7/5/2022	Niobium-95	-2.88E-01	1.43E+00	4.53E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Niobium-95	4.37E+00	3.92E+00	1.22E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Potassium-40	2.64E+03	7.75E+01	3.56E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Potassium-40	2.52E+03	1.52E+02	1.18E+02	pCi/kg	U
1246.3	586836001	7/5/2022	Radium-226	-5.73E+00	3.70E+00	7.69E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Radium-226	-5.03E+00	8.55E+00	2.58E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Radium-228	7.27E+00	1.12E+01	1.94E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Radium-228	3.82E+01	1.84E+01	5.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Ruthenium-103	-4.69E-02	1.37E+00	4.52E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Ruthenium-103	-1.10E+00	3.08E+00	9.93E+00	pCi/kg	U
1246.3	586836001	7/5/2022	Ruthenium-106	-2.24E+01	1.06E+01	3.08E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Ruthenium-106	3.73E+01	2.86E+01	1.01E+02	pCi/kg	U
1246.3	586836001	7/5/2022	Selenium-75	8.84E-01	1.29E+00	4.52E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Selenium-75	8.78E-01	3.99E+00	1.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Silver-108m	1.34E+00	9.17E-01	3.23E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Silver-108m	-2.91E-01	2.75E+00	9.10E+00	pCi/kg	U
1246.3	586836001	7/5/2022	Silver-110m	-3.02E-01	1.78E+00	6.00E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Silver-110m	6.44E+00	4.66E+00	1.71E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Tellurium-132	-4.78E+01	7.14E+01	2.18E+02	pCi/kg	U
1246.3	587445005	7/25/2022	Tellurium-132	-9.98E+00	5.71E+00	1.63E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Thallium-208	1.15E+00	2.54E+00	3.82E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Thallium-208	-5.41E+00	4.34E+00	1.15E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Thorium-228	1.50E+00	3.33E+00	5.28E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Thorium-228	1.13E+01	9.10E+00	2.10E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Thorium-230	-5.73E+00	3.70E+00	7.69E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Thorium-230	-5.03E+00	8.55E+00	2.58E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Thorium-232	7.27E+00	1.12E+01	1.94E+01	pCi/kg	U
1246.3	587445005	7/25/2022	Thorium-232	3.82E+01	1.84E+01	5.26E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Thorium-234	-1.69E+00	6.11E+01	1.64E+02	pCi/kg	U
1246.3	587445005	7/25/2022	Thorium-234	-3.20E+02	1.74E+02	5.57E+02	pCi/kg	U
1246.3	586836001	7/5/2022	Uranium-234	-5.73E+00	3.70E+00	7.69E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Uranium-234	-5.03E+00	8.55E+00	2.58E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Zinc-65	1.58E+00	2.79E+00	9.62E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Zinc-65	-5.71E+00	8.87E+00	2.79E+01	pCi/kg	U
1246.3	586836001	7/5/2022	Zirconium-95	2.32E+00	2.53E+00	8.15E+00	pCi/kg	U
1246.3	587445005	7/25/2022	Zirconium-95	5.15E+00	5.23E+00	1.81E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Actinium-228	-4.44E+00	1.64E+01	4.66E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Actinium-228	2.55E+01	1.83E+01	3.84E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Americium-241	2.25E+01	2.21E+01	6.60E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Americium-241	9.64E+00	6.88E+00	2.22E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1246.4	586836002	7/5/2022	Antimony-124	-1.13E+00	7.89E+00	2.52E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Antimony-124	2.10E+00	5.64E+00	1.88E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Antimony-125	1.36E+01	7.91E+00	2.75E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Antimony-125	-8.09E-01	5.89E+00	1.93E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Barium-140	2.21E+01	3.20E+01	1.06E+02	pCi/kg	U
1246.4	587445004	7/25/2022	Barium-140	1.88E+00	9.19E+00	3.02E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Beryllium-7	1.82E+01	2.96E+01	9.84E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Beryllium-7	-7.58E+00	1.70E+01	5.44E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Bismuth-214	4.71E-01	9.00E+00	2.22E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Bismuth-214	9.89E+00	6.42E+00	1.42E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Cerium-141	9.41E-01	1.12E+01	1.88E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Cerium-141	-1.11E+00	3.23E+00	9.22E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Cerium-144	2.30E+00	1.62E+01	5.51E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Cerium-144	1.51E+01	1.13E+01	3.80E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Cesium-134	4.29E+00	3.33E+00	1.20E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Cesium-134	-1.60E+00	2.36E+00	7.64E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Cesium-137	1.00E+01	5.72E+00	1.09E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Cesium-137	1.25E+00	2.35E+00	7.79E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Chromium-51	-3.42E+01	3.52E+01	1.11E+02	pCi/kg	U
1246.4	587445004	7/25/2022	Chromium-51	-7.41E+00	1.60E+01	5.25E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Cobalt-57	1.82E+00	2.05E+00	7.12E+00	pCi/kg	U
1246.4	587445004	7/25/2022	Cobalt-57	-1.70E-01	1.49E+00	4.71E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Cobalt-58	-8.55E+00	4.09E+00	9.94E+00	pCi/kg	U
1246.4	587445004	7/25/2022	Cobalt-58	-3.22E+00	1.80E+00	5.22E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Cobalt-60	-2.90E+00	3.31E+00	1.02E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Cobalt-60	-2.12E+00	2.59E+00	7.81E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Iodine-131	-1.73E+01	1.53E+01	4.78E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Iodine-131	3.03E+00	2.73E+00	9.57E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Iron-59	7.06E+00	8.70E+00	3.02E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Iron-59	1.44E+01	8.04E+00	1.54E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Lanthanum-140	9.90E+00	1.02E+01	3.59E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Lanthanum-140	-1.02E+00	2.92E+00	8.97E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Lead-210	8.03E+02	8.25E+02	2.03E+03	pCi/kg	U
1246.4	587445004	7/25/2022	Lead-210	3.06E+02	1.93E+02	3.20E+02	pCi/kg	U
1246.4	586836002	7/5/2022	Lead-212	6.75E+00	8.76E+00	1.96E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Lead-212	-7.73E+00	4.27E+00	1.21E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Lead-214	-9.51E+00	8.83E+00	2.24E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Lead-214	9.89E+00	5.42E+00	1.78E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Manganese-54	-4.61E+00	3.17E+00	9.90E+00	pCi/kg	U
1246.4	587445004	7/25/2022	Manganese-54	-3.99E-01	2.31E+00	7.73E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Molybdenum-99	1.25E+03	3.66E+03	1.26E+04	pCi/kg	U
1246.4	587445004	7/25/2022	Molybdenum-99	2.09E+01	3.84E+01	1.28E+02	pCi/kg	U
1246.4	586836002	7/5/2022	Niobium-95	2.90E+00	3.69E+00	1.29E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Niobium-95	1.89E+00	2.05E+00	6.96E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Potassium-40	2.20E+03	1.46E+02	1.12E+02	pCi/kg	U
1246.4	587445004	7/25/2022	Potassium-40	2.22E+03	1.20E+02	8.13E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1246.4	586836002	7/5/2022	Radium-226	4.71E-01	9.00E+00	2.22E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Radium-226	9.89E+00	6.42E+00	1.42E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Radium-228	-4.44E+00	1.64E+01	4.66E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Radium-228	2.55E+01	1.83E+01	3.84E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Ruthenium-103	-4.15E+00	3.78E+00	1.15E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Ruthenium-103	-1.75E+00	2.05E+00	6.35E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Ruthenium-106	1.37E+01	2.73E+01	8.92E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Ruthenium-106	4.44E+01	1.66E+01	6.35E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Selenium-75	2.62E+00	3.80E+00	1.28E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Selenium-75	7.56E+00	3.55E+00	9.39E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Silver-108m	3.79E+00	2.53E+00	8.75E+00	pCi/kg	U
1246.4	587445004	7/25/2022	Silver-108m	-4.69E-01	1.87E+00	6.09E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Silver-110m	5.00E+00	3.84E+00	1.39E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Silver-110m	4.29E-01	2.87E+00	9.77E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Tellurium-132	1.18E+02	2.30E+02	6.19E+02	pCi/kg	U
1246.4	587445004	7/25/2022	Tellurium-132	-6.15E+00	4.20E+00	1.25E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Thallium-208	-2.63E+00	4.74E+00	1.21E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Thallium-208	-2.03E+00	2.96E+00	8.74E+00	pCi/kg	U
1246.4	586836002	7/5/2022	Thorium-228	6.75E+00	8.76E+00	1.96E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Thorium-228	-7.73E+00	4.27E+00	1.21E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Thorium-230	4.71E-01	9.00E+00	2.21E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Thorium-230	9.89E+00	6.42E+00	1.42E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Thorium-232	-4.44E+00	1.64E+01	4.66E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Thorium-232	2.55E+01	1.83E+01	3.84E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Thorium-234	7.71E+02	3.85E+02	6.53E+02	pCi/kg	UI
1246.4	587445004	7/25/2022	Thorium-234	3.81E+01	1.07E+02	1.83E+02	pCi/kg	U
1246.4	586836002	7/5/2022	Uranium-234	4.71E-01	9.00E+00	2.21E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Uranium-234	9.89E+00	6.42E+00	1.42E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Zinc-65	-7.92E-01	8.21E+00	2.71E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Zinc-65	-4.32E+00	5.90E+00	1.86E+01	pCi/kg	U
1246.4	586836002	7/5/2022	Zirconium-95	-2.05E-01	6.09E+00	2.06E+01	pCi/kg	U
1246.4	587445004	7/25/2022	Zirconium-95	-1.69E+00	4.08E+00	1.25E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Actinium-228	2.62E+01	1.29E+01	4.82E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Americium-241	2.57E+00	2.28E+01	7.26E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Antimony-124	-5.46E+00	6.00E+00	1.76E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Antimony-125	4.54E+00	7.25E+00	2.49E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Barium-140	-8.49E+00	1.71E+01	5.41E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Beryllium-7	2.23E+02	4.39E+01	7.24E+01	pCi/kg	
1248.1	582793002	6/13/2022	Bismuth-214	-3.73E+00	8.57E+00	2.43E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Cerium-141	-2.06E+00	4.85E+00	1.42E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Cerium-144	-1.52E+01	1.65E+01	5.17E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Cesium-134	2.72E+00	3.68E+00	1.30E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Cesium-137	-1.34E-01	3.23E+00	1.03E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Chromium-51	2.04E+01	2.81E+01	9.79E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Cobalt-57	1.61E+00	2.23E+00	7.48E+00	pCi/kg	U
1248.1	582793002	6/13/2022	Cobalt-58	5.41E+00	5.09E+00	8.51E+00	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1248.1	582793002	6/13/2022	Cobalt-60	-6.54E+00	3.92E+00	1.08E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Iodine-131	-2.71E+00	5.40E+00	1.77E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Iron-59	-1.36E+01	1.05E+01	2.70E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Lanthanum-140	1.03E+00	4.56E+00	1.57E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Lead-210	1.19E+03	9.76E+02	3.49E+03	pCi/kg	U
1248.1	582793002	6/13/2022	Lead-212	-1.34E+01	6.76E+00	1.81E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Lead-214	1.68E+01	1.30E+01	2.64E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Manganese-54	5.01E-01	3.15E+00	1.07E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Molybdenum-99	1.85E+02	2.28E+02	7.64E+02	pCi/kg	U
1248.1	582793002	6/13/2022	Niobium-95	-2.94E+00	3.17E+00	1.02E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Potassium-40	4.69E+03	1.85E+02	1.11E+02	pCi/kg	U
1248.1	582793002	6/13/2022	Radium-226	-3.73E+00	8.57E+00	2.43E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Radium-228	2.62E+01	1.29E+01	4.82E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Ruthenium-103	-2.88E+00	3.55E+00	9.81E+00	pCi/kg	U
1248.1	582793002	6/13/2022	Ruthenium-106	1.63E+01	2.77E+01	9.26E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Selenium-75	2.58E+00	3.47E+00	1.22E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Silver-108m	-1.03E+00	2.45E+00	7.97E+00	pCi/kg	U
1248.1	582793002	6/13/2022	Silver-110m	5.88E-01	4.87E+00	1.53E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Tellurium-132	1.66E+01	1.71E+01	5.60E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Thallium-208	-2.94E+00	3.66E+00	1.10E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Thorium-228	-1.34E+01	6.76E+00	1.81E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Thorium-230	-3.73E+00	8.57E+00	2.43E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Thorium-232	2.62E+01	1.29E+01	4.82E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Thorium-234	5.75E+02	3.62E+02	5.51E+02	pCi/kg	UI
1248.1	582793002	6/13/2022	Uranium-234	-3.73E+00	8.57E+00	2.43E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Zinc-65	5.89E-02	1.40E+01	2.91E+01	pCi/kg	U
1248.1	582793002	6/13/2022	Zirconium-95	-9.73E+00	5.89E+00	1.63E+01	pCi/kg	U
1256	586836003	7/5/2022	Actinium-228	1.11E+01	1.33E+01	3.25E+01	pCi/kg	U
1256	586836003	7/5/2022	Americium-241	2.50E+01	1.14E+01	3.89E+01	pCi/kg	U
1256	586836003	7/5/2022	Antimony-124	-7.20E-01	5.43E+00	1.77E+01	pCi/kg	U
1256	586836003	7/5/2022	Antimony-125	-3.83E+00	4.73E+00	1.55E+01	pCi/kg	U
1256	586836003	7/5/2022	Barium-140	2.33E+00	1.65E+01	5.60E+01	pCi/kg	U
1256	586836003	7/5/2022	Beryllium-7	9.74E+00	1.70E+01	5.91E+01	pCi/kg	U
1256	586836003	7/5/2022	Bismuth-214	-5.74E+00	6.03E+00	1.54E+01	pCi/kg	U
1256	586836003	7/5/2022	Cerium-141	-6.36E+00	3.74E+00	1.15E+01	pCi/kg	U
1256	586836003	7/5/2022	Cerium-144	-9.31E+00	1.42E+01	3.26E+01	pCi/kg	U
1256	586836003	7/5/2022	Cesium-134	5.39E+00	2.73E+00	7.94E+00	pCi/kg	U
1256	586836003	7/5/2022	Cesium-137	-4.14E+00	2.74E+00	6.78E+00	pCi/kg	U
1256	586836003	7/5/2022	Chromium-51	-2.19E+01	2.53E+01	7.61E+01	pCi/kg	U
1256	586836003	7/5/2022	Cobalt-57	-2.23E+00	1.53E+00	4.40E+00	pCi/kg	U
1256	586836003	7/5/2022	Cobalt-58	4.57E-01	2.16E+00	7.14E+00	pCi/kg	U
1256	586836003	7/5/2022	Cobalt-60	-3.39E+00	2.00E+00	5.74E+00	pCi/kg	U
1256	586836003	7/5/2022	Iodine-131	1.45E+01	9.59E+00	3.47E+01	pCi/kg	U
1256	586836003	7/5/2022	Iron-59	-5.13E+00	5.28E+00	1.55E+01	pCi/kg	U
1256	586836003	7/5/2022	Lanthanum-140	9.78E+00	6.91E+00	2.58E+01	pCi/kg	U
1256	586836003	7/5/2022	Lead-210	4.63E+02	7.37E+02	1.09E+03	pCi/kg	U

Table 12: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1256	586836003	7/5/2022	Lead-212	5.39E+00	6.81E+00	1.37E+01	pCi/kg	U
1256	586836003	7/5/2022	Lead-214	-3.27E+00	5.71E+00	1.31E+01	pCi/kg	U
1256	586836003	7/5/2022	Manganese-54	-1.29E+00	1.90E+00	5.89E+00	pCi/kg	U
1256	586836003	7/5/2022	Molybdenum-99	-7.56E+01	2.22E+03	7.26E+03	pCi/kg	U
1256	586836003	7/5/2022	Niobium-95	2.18E+00	2.53E+00	8.68E+00	pCi/kg	U
1256	586836003	7/5/2022	Potassium-40	1.67E+03	9.21E+01	5.44E+01	pCi/kg	
1256	586836003	7/5/2022	Radium-226	-5.74E+00	6.03E+00	1.54E+01	pCi/kg	U
1256	586836003	7/5/2022	Radium-228	1.11E+01	1.33E+01	3.25E+01	pCi/kg	U
1256	586836003	7/5/2022	Ruthenium-103	1.14E+00	2.56E+00	7.96E+00	pCi/kg	U
1256	586836003	7/5/2022	Ruthenium-106	1.30E+01	1.61E+01	5.60E+01	pCi/kg	U
1256	586836003	7/5/2022	Selenium-75	4.07E-01	2.53E+00	8.06E+00	pCi/kg	U
1256	586836003	7/5/2022	Silver-108m	-5.88E-01	1.64E+00	5.49E+00	pCi/kg	U
1256	586836003	7/5/2022	Silver-110m	2.48E+00	2.95E+00	1.01E+01	pCi/kg	U
1256	586836003	7/5/2022	Tellurium-132	-2.46E+01	1.21E+02	3.82E+02	pCi/kg	U
1256	586836003	7/5/2022	Thallium-208	-2.98E+00	2.99E+00	7.81E+00	pCi/kg	U
1256	586836003	7/5/2022	Thorium-228	5.39E+00	6.81E+00	1.37E+01	pCi/kg	U
1256	586836003	7/5/2022	Thorium-230	-5.74E+00	6.03E+00	1.54E+01	pCi/kg	U
1256	586836003	7/5/2022	Thorium-232	1.11E+01	1.33E+01	3.25E+01	pCi/kg	U
1256	586836003	7/5/2022	Thorium-234	2.77E+01	1.25E+02	3.52E+02	pCi/kg	U
1256	586836003	7/5/2022	Uranium-234	-5.74E+00	6.03E+00	1.54E+01	pCi/kg	U
1256	586836003	7/5/2022	Zinc-65	-1.72E+00	4.93E+00	1.53E+01	pCi/kg	U
1256	586836003	7/5/2022	Zirconium-95	4.42E+00	4.16E+00	1.45E+01	pCi/kg	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	567643010	1/18/2022	Actinium-228	-1.57E+00	3.50E+00	9.56E+00	pCi/L	U
1141	570264010	2/14/2022	Actinium-228	3.53E+00	2.54E+00	9.06E+00	pCi/L	U
1141	573043007	3/14/2022	Actinium-228	-5.14E-01	5.52E+00	1.75E+01	pCi/L	U
1141	576091008	4/11/2022	Actinium-228	9.13E+00	4.65E+00	1.57E+01	pCi/L	U
1141	579261007	5/9/2022	Actinium-228	-6.12E+00	4.09E+00	1.04E+01	pCi/L	U
1141	581945008	6/6/2022	Actinium-228	-2.67E+00	5.90E+00	1.96E+01	pCi/L	U
1141	584821007	7/4/2022	Actinium-228	-2.67E+00	4.09E+00	1.24E+01	pCi/L	U
1141	587888007	8/1/2022	Actinium-228	-3.17E+00	4.82E+00	1.58E+01	pCi/L	U
1141	587888007	8/1/2022	Actinium-228	1.82E+00	6.45E+00	2.14E+01	pCi/L	U
1141	590547008	8/29/2022	Actinium-228	1.24E+00	9.39E+00	1.78E+01	pCi/L	U
1141	594423006	9/26/2022	Actinium-228	1.42E+00	5.65E+00	1.86E+01	pCi/L	U
1141	597936007	10/24/2022	Actinium-228	-5.19E+00	6.32E+00	1.83E+01	pCi/L	U
1141	601450006	11/21/2022	Actinium-228	-4.28E+00	6.36E+00	1.66E+01	pCi/L	U
1141	604619007	12/19/2022	Actinium-228	-5.80E+00	6.82E+00	2.30E+01	pCi/L	U
1141	567643010	1/18/2022	Americium-241	1.03E+01	5.11E+00	1.18E+01	pCi/L	U
1141	570264010	2/14/2022	Americium-241	8.29E-01	1.10E+00	3.47E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	573043007	3/14/2022	Americium-241	-9.53E-01	1.09E+01	3.24E+01	pCi/L	U
1141	576091008	4/11/2022	Americium-241	6.76E+00	6.46E+00	2.13E+01	pCi/L	U
1141	579261007	5/9/2022	Americium-241	-1.94E+00	8.00E+00	2.68E+01	pCi/L	U
1141	581945008	6/6/2022	Americium-241	7.69E+00	1.31E+01	3.96E+01	pCi/L	U
1141	584821007	7/4/2022	Americium-241	1.30E+00	5.13E+00	1.51E+01	pCi/L	U
1141	587888007	8/1/2022	Americium-241	-2.76E+00	5.76E+00	1.73E+01	pCi/L	U
1141	587888007	8/1/2022	Americium-241	-1.85E+01	1.29E+01	3.64E+01	pCi/L	U
1141	590547008	8/29/2022	Americium-241	-1.48E+01	1.01E+01	2.98E+01	pCi/L	U
1141	594423006	9/26/2022	Americium-241	1.65E+01	7.32E+00	2.82E+01	pCi/L	U
1141	597936007	10/24/2022	Americium-241	3.95E+00	6.95E+00	2.45E+01	pCi/L	U
1141	601450006	11/21/2022	Americium-241	-1.43E+01	6.56E+00	2.00E+01	pCi/L	U
1141	604619007	12/19/2022	Americium-241	1.17E+01	1.24E+01	4.18E+01	pCi/L	U
1141	567643010	1/18/2022	Antimony-124	-7.38E-01	1.55E+00	4.78E+00	pCi/L	U
1141	570264010	2/14/2022	Antimony-124	-2.42E+00	2.37E+00	4.58E+00	pCi/L	U
1141	573043007	3/14/2022	Antimony-124	6.11E-01	2.64E+00	8.88E+00	pCi/L	U
1141	576091008	4/11/2022	Antimony-124	-2.96E+00	1.91E+00	3.80E+00	pCi/L	U
1141	579261007	5/9/2022	Antimony-124	7.81E-01	2.05E+00	6.96E+00	pCi/L	U
1141	581945008	6/6/2022	Antimony-124	8.72E-01	3.35E+00	1.14E+01	pCi/L	U
1141	584821007	7/4/2022	Antimony-124	4.94E-01	1.94E+00	6.54E+00	pCi/L	U
1141	587888007	8/1/2022	Antimony-124	-1.96E+00	2.79E+00	8.43E+00	pCi/L	U
1141	587888007	8/1/2022	Antimony-124	-7.67E+00	4.01E+00	6.85E+00	pCi/L	U
1141	590547008	8/29/2022	Antimony-124	1.01E-02	2.56E+00	8.45E+00	pCi/L	U
1141	594423006	9/26/2022	Antimony-124	-2.06E+00	1.55E+00	2.71E+00	pCi/L	U
1141	597936007	10/24/2022	Antimony-124	-6.79E-01	2.38E+00	7.55E+00	pCi/L	U
1141	601450006	11/21/2022	Antimony-124	1.89E+00	2.36E+00	8.74E+00	pCi/L	U
1141	604619007	12/19/2022	Antimony-124	2.27E+00	3.11E+00	1.14E+01	pCi/L	U
1141	567643010	1/18/2022	Antimony-125	1.25E+00	1.87E+00	6.47E+00	pCi/L	U
1141	570264010	2/14/2022	Antimony-125	-5.62E-01	1.46E+00	4.76E+00	pCi/L	U
1141	573043007	3/14/2022	Antimony-125	5.82E-01	3.11E+00	9.76E+00	pCi/L	U
1141	576091008	4/11/2022	Antimony-125	3.09E+00	2.42E+00	8.85E+00	pCi/L	U
1141	579261007	5/9/2022	Antimony-125	6.99E-01	2.08E+00	7.13E+00	pCi/L	U
1141	581945008	6/6/2022	Antimony-125	7.38E+00	3.38E+00	1.25E+01	pCi/L	U
1141	584821007	7/4/2022	Antimony-125	3.69E+00	2.78E+00	9.88E+00	pCi/L	U
1141	587888007	8/1/2022	Antimony-125	5.67E-01	2.82E+00	9.45E+00	pCi/L	U
1141	587888007	8/1/2022	Antimony-125	-5.44E+00	3.61E+00	1.08E+01	pCi/L	U
1141	590547008	8/29/2022	Antimony-125	5.62E-01	3.56E+00	1.16E+01	pCi/L	U
1141	594423006	9/26/2022	Antimony-125	-7.11E-01	3.26E+00	1.06E+01	pCi/L	U
1141	597936007	10/24/2022	Antimony-125	1.01E+00	2.87E+00	9.85E+00	pCi/L	U
1141	601450006	11/21/2022	Antimony-125	-2.14E+00	3.01E+00	8.52E+00	pCi/L	U
1141	604619007	12/19/2022	Antimony-125	-3.07E-01	2.86E+00	9.62E+00	pCi/L	U
1141	567643010	1/18/2022	Barium-140	-1.71E+00	3.33E+00	1.07E+01	pCi/L	U
1141	570264010	2/14/2022	Barium-140	-4.08E+00	3.15E+00	9.73E+00	pCi/L	U
1141	573043007	3/14/2022	Barium-140	-2.62E+00	6.48E+00	2.03E+01	pCi/L	U
1141	576091008	4/11/2022	Barium-140	-9.19E-01	5.40E+00	1.76E+01	pCi/L	U
1141	579261007	5/9/2022	Barium-140	-1.93E-01	4.25E+00	1.41E+01	pCi/L	U
1141	581945008	6/6/2022	Barium-140	1.45E-01	5.34E+00	1.81E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	584821007	7/4/2022	Barium-140	1.01E+01	6.07E+00	1.48E+01	pCi/L	U
1141	587888007	8/1/2022	Barium-140	-7.81E+00	7.00E+00	2.06E+01	pCi/L	U
1141	587888007	8/1/2022	Barium-140	-7.34E+00	3.17E+01	1.03E+02	pCi/L	U
1141	590547008	8/29/2022	Barium-140	5.47E+00	4.59E+00	1.71E+01	pCi/L	U
1141	594423006	9/26/2022	Barium-140	8.93E+00	4.11E+00	1.59E+01	pCi/L	U
1141	597936007	10/24/2022	Barium-140	9.30E+00	5.63E+00	1.73E+01	pCi/L	U
1141	601450006	11/21/2022	Barium-140	1.69E+00	6.63E+00	2.25E+01	pCi/L	U
1141	604619007	12/19/2022	Barium-140	5.76E+00	9.19E+00	3.03E+01	pCi/L	U
1141	567643010	1/18/2022	Beryllium-7	-3.04E+00	4.76E+00	1.52E+01	pCi/L	U
1141	570264010	2/14/2022	Beryllium-7	-1.84E+00	4.81E+00	1.56E+01	pCi/L	U
1141	573043007	3/14/2022	Beryllium-7	5.73E+00	1.04E+01	3.57E+01	pCi/L	U
1141	576091008	4/11/2022	Beryllium-7	1.27E+00	8.53E+00	2.87E+01	pCi/L	U
1141	579261007	5/9/2022	Beryllium-7	9.51E+00	7.22E+00	2.56E+01	pCi/L	U
1141	581945008	6/6/2022	Beryllium-7	1.75E+01	1.23E+01	4.15E+01	pCi/L	U
1141	584821007	7/4/2022	Beryllium-7	-7.68E+00	9.50E+00	2.89E+01	pCi/L	U
1141	587888007	8/1/2022	Beryllium-7	-2.97E+00	1.05E+01	3.36E+01	pCi/L	U
1141	587888007	8/1/2022	Beryllium-7	-3.69E+00	1.62E+01	5.33E+01	pCi/L	U
1141	590547008	8/29/2022	Beryllium-7	-4.42E+00	1.02E+01	3.11E+01	pCi/L	U
1141	594423006	9/26/2022	Beryllium-7	-2.97E+01	1.30E+01	2.63E+01	pCi/L	U
1141	597936007	10/24/2022	Beryllium-7	4.31E+00	8.53E+00	2.95E+01	pCi/L	U
1141	601450006	11/21/2022	Beryllium-7	-4.22E+00	1.04E+01	3.41E+01	pCi/L	U
1141	604619007	12/19/2022	Beryllium-7	-5.03E+00	1.04E+01	3.37E+01	pCi/L	U
1141	567643010	1/18/2022	BETA	-1.40E+00	8.74E-01	3.16E+00	pCi/L	U
1141	570264010	2/14/2022	BETA	4.01E-01	6.45E-01	2.00E+00	pCi/L	U
1141	573043007	3/14/2022	BETA	-1.40E+00	9.44E-01	3.34E+00	pCi/L	U
1141	576091008	4/11/2022	BETA	-5.07E-02	7.90E-01	2.61E+00	pCi/L	U
1141	579261007	5/9/2022	BETA	-9.72E-01	7.46E-01	2.67E+00	pCi/L	U
1141	581945008	6/6/2022	BETA	1.54E+00	1.07E+00	3.23E+00	pCi/L	U
1141	584821007	7/4/2022	BETA	2.33E+00	1.00E+00	2.79E+00	pCi/L	U
1141	587888007	8/1/2022	BETA	7.16E-01	1.01E+00	3.23E+00	pCi/L	U
1141	590547008	8/29/2022	BETA	1.17E+00	1.01E+00	3.19E+00	pCi/L	U
1141	594423006	9/26/2022	BETA	1.23E+00	9.73E-01	2.95E+00	pCi/L	U
1141	597936007	10/24/2022	BETA	1.20E+00	9.93E-01	3.02E+00	pCi/L	U
1141	601450006	11/21/2022	BETA	-5.46E-01	6.75E-01	2.32E+00	pCi/L	U
1141	604619007	12/19/2022	BETA	3.62E-01	2.13E+00	3.50E+00	pCi/L	U
1141	567643010	1/18/2022	Bismuth-214	1.12E+01	2.91E+00	4.54E+00	pCi/L	U
1141	570264010	2/14/2022	Bismuth-214	8.73E+00	2.46E+00	5.13E+00	pCi/L	UI
1141	573043007	3/14/2022	Bismuth-214	5.20E+00	3.69E+00	9.63E+00	pCi/L	U
1141	576091008	4/11/2022	Bismuth-214	1.31E+00	4.06E+00	8.78E+00	pCi/L	U
1141	579261007	5/9/2022	Bismuth-214	9.12E+00	3.39E+00	5.20E+00	pCi/L	U
1141	581945008	6/6/2022	Bismuth-214	8.51E+00	4.09E+00	1.25E+01	pCi/L	U
1141	584821007	7/4/2022	Bismuth-214	5.08E+00	3.28E+00	8.21E+00	pCi/L	U
1141	587888007	8/1/2022	Bismuth-214	-2.66E+00	2.47E+00	7.20E+00	pCi/L	U
1141	587888007	8/1/2022	Bismuth-214	-9.52E-01	3.82E+00	1.22E+01	pCi/L	U
1141	590547008	8/29/2022	Bismuth-214	1.91E+00	3.06E+00	1.03E+01	pCi/L	U
1141	594423006	9/26/2022	Bismuth-214	4.70E-01	3.99E+00	7.00E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	597936007	10/24/2022	Bismuth-214	8.09E+00	4.35E+00	1.21E+01	pCi/L	U
1141	601450006	11/21/2022	Bismuth-214	3.55E+00	2.73E+00	8.99E+00	pCi/L	U
1141	604619007	12/19/2022	Bismuth-214	2.29E+00	5.73E+00	9.06E+00	pCi/L	U
1141	567643010	1/18/2022	Cerium-141	-1.11E+00	1.20E+00	3.70E+00	pCi/L	U
1141	570264010	2/14/2022	Cerium-141	1.88E+00	8.54E-01	2.69E+00	pCi/L	U
1141	573043007	3/14/2022	Cerium-141	-1.32E+00	2.48E+00	6.90E+00	pCi/L	U
1141	576091008	4/11/2022	Cerium-141	-6.24E+00	2.24E+00	6.07E+00	pCi/L	U
1141	579261007	5/9/2022	Cerium-141	1.18E-01	2.20E+00	5.57E+00	pCi/L	U
1141	581945008	6/6/2022	Cerium-141	1.34E-01	2.22E+00	6.78E+00	pCi/L	U
1141	584821007	7/4/2022	Cerium-141	8.89E-01	1.66E+00	5.75E+00	pCi/L	U
1141	587888007	8/1/2022	Cerium-141	-4.28E+00	2.45E+00	6.85E+00	pCi/L	U
1141	587888007	8/1/2022	Cerium-141	-5.27E+00	4.73E+00	1.45E+01	pCi/L	U
1141	590547008	8/29/2022	Cerium-141	-1.55E-01	2.23E+00	7.25E+00	pCi/L	U
1141	594423006	9/26/2022	Cerium-141	-2.67E-01	2.14E+00	6.13E+00	pCi/L	U
1141	597936007	10/24/2022	Cerium-141	-2.19E+00	2.06E+00	5.90E+00	pCi/L	U
1141	601450006	11/21/2022	Cerium-141	-1.88E+00	2.25E+00	7.06E+00	pCi/L	U
1141	604619007	12/19/2022	Cerium-141	1.18E+00	2.44E+00	8.19E+00	pCi/L	U
1141	567643010	1/18/2022	Cerium-144	-5.76E+00	4.75E+00	1.33E+01	pCi/L	U
1141	570264010	2/14/2022	Cerium-144	2.44E+00	3.02E+00	9.90E+00	pCi/L	U
1141	573043007	3/14/2022	Cerium-144	4.02E+00	8.80E+00	2.83E+01	pCi/L	U
1141	576091008	4/11/2022	Cerium-144	-6.83E+00	6.33E+00	1.93E+01	pCi/L	U
1141	579261007	5/9/2022	Cerium-144	7.97E+00	5.77E+00	1.96E+01	pCi/L	U
1141	581945008	6/6/2022	Cerium-144	-7.08E+00	8.57E+00	2.82E+01	pCi/L	U
1141	584821007	7/4/2022	Cerium-144	-1.33E+01	6.77E+00	2.02E+01	pCi/L	U
1141	587888007	8/1/2022	Cerium-144	3.25E+00	7.24E+00	2.38E+01	pCi/L	U
1141	587888007	8/1/2022	Cerium-144	-4.91E-01	1.08E+01	3.49E+01	pCi/L	U
1141	590547008	8/29/2022	Cerium-144	-2.19E+00	8.42E+00	2.55E+01	pCi/L	U
1141	594423006	9/26/2022	Cerium-144	5.98E+00	7.93E+00	2.60E+01	pCi/L	U
1141	597936007	10/24/2022	Cerium-144	9.12E+00	8.00E+00	2.76E+01	pCi/L	U
1141	601450006	11/21/2022	Cerium-144	1.56E+00	7.70E+00	2.54E+01	pCi/L	U
1141	604619007	12/19/2022	Cerium-144	3.46E+00	8.56E+00	2.88E+01	pCi/L	U
1141	567643010	1/18/2022	Cesium-134	-2.37E-01	7.37E-01	2.32E+00	pCi/L	U
1141	570264010	2/14/2022	Cesium-134	1.11E+00	6.98E-01	2.39E+00	pCi/L	U
1141	573043007	3/14/2022	Cesium-134	5.78E-01	1.92E+00	3.63E+00	pCi/L	U
1141	576091008	4/11/2022	Cesium-134	1.62E-01	1.12E+00	3.66E+00	pCi/L	U
1141	579261007	5/9/2022	Cesium-134	1.24E+00	7.95E-01	2.86E+00	pCi/L	U
1141	581945008	6/6/2022	Cesium-134	-2.24E-01	1.32E+00	4.28E+00	pCi/L	U
1141	584821007	7/4/2022	Cesium-134	-5.81E-01	1.10E+00	3.54E+00	pCi/L	U
1141	587888007	8/1/2022	Cesium-134	3.46E+00	1.03E+00	4.00E+00	pCi/L	U
1141	587888007	8/1/2022	Cesium-134	-8.79E-01	1.48E+00	4.47E+00	pCi/L	U
1141	590547008	8/29/2022	Cesium-134	-2.79E-01	1.38E+00	4.48E+00	pCi/L	U
1141	594423006	9/26/2022	Cesium-134	4.73E-01	9.69E-01	3.29E+00	pCi/L	U
1141	597936007	10/24/2022	Cesium-134	1.31E+00	1.48E+00	4.93E+00	pCi/L	U
1141	601450006	11/21/2022	Cesium-134	-1.20E+00	1.20E+00	3.48E+00	pCi/L	U
1141	604619007	12/19/2022	Cesium-134	-9.37E-01	1.43E+00	4.29E+00	pCi/L	U
1141	567643010	1/18/2022	Cesium-137	-1.72E+00	7.29E-01	1.99E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	570264010	2/14/2022	Cesium-137	1.37E-01	6.00E-01	1.95E+00	pCi/L	U
1141	573043007	3/14/2022	Cesium-137	-3.92E-02	1.17E+00	3.76E+00	pCi/L	U
1141	576091008	4/11/2022	Cesium-137	2.81E+00	1.88E+00	3.00E+00	pCi/L	U
1141	579261007	5/9/2022	Cesium-137	-9.14E-01	8.03E-01	2.44E+00	pCi/L	U
1141	581945008	6/6/2022	Cesium-137	-2.88E+00	1.27E+00	3.36E+00	pCi/L	U
1141	584821007	7/4/2022	Cesium-137	-2.85E+00	1.27E+00	2.98E+00	pCi/L	U
1141	587888007	8/1/2022	Cesium-137	1.59E+00	2.11E+00	3.33E+00	pCi/L	U
1141	587888007	8/1/2022	Cesium-137	2.54E+00	1.21E+00	4.76E+00	pCi/L	U
1141	590547008	8/29/2022	Cesium-137	7.89E-01	1.03E+00	3.73E+00	pCi/L	U
1141	594423006	9/26/2022	Cesium-137	-5.09E-01	1.03E+00	3.13E+00	pCi/L	U
1141	597936007	10/24/2022	Cesium-137	2.19E+00	1.36E+00	5.00E+00	pCi/L	U
1141	601450006	11/21/2022	Cesium-137	5.33E-01	1.14E+00	3.88E+00	pCi/L	U
1141	604619007	12/19/2022	Cesium-137	2.88E-01	1.34E+00	4.50E+00	pCi/L	U
1141	567643010	1/18/2022	Chromium-51	-3.22E+00	5.98E+00	2.00E+01	pCi/L	U
1141	570264010	2/14/2022	Chromium-51	2.92E+00	4.72E+00	1.62E+01	pCi/L	U
1141	573043007	3/14/2022	Chromium-51	-1.89E+01	1.27E+01	3.89E+01	pCi/L	U
1141	576091008	4/11/2022	Chromium-51	1.08E+01	9.65E+00	3.49E+01	pCi/L	U
1141	579261007	5/9/2022	Chromium-51	6.38E+00	7.90E+00	2.79E+01	pCi/L	U
1141	581945008	6/6/2022	Chromium-51	-6.31E+00	1.23E+01	3.88E+01	pCi/L	U
1141	584821007	7/4/2022	Chromium-51	-9.85E+00	7.63E+00	2.28E+01	pCi/L	U
1141	587888007	8/1/2022	Chromium-51	1.87E+01	1.10E+01	4.05E+01	pCi/L	U
1141	587888007	8/1/2022	Chromium-51	-1.43E+01	2.62E+01	8.72E+01	pCi/L	U
1141	590547008	8/29/2022	Chromium-51	-1.63E+01	1.13E+01	2.94E+01	pCi/L	U
1141	594423006	9/26/2022	Chromium-51	2.56E+00	8.21E+00	2.81E+01	pCi/L	U
1141	597936007	10/24/2022	Chromium-51	-4.73E+00	9.07E+00	2.99E+01	pCi/L	U
1141	601450006	11/21/2022	Chromium-51	8.64E+00	1.05E+01	3.76E+01	pCi/L	U
1141	604619007	12/19/2022	Chromium-51	8.29E+00	1.40E+01	4.55E+01	pCi/L	U
1141	567643010	1/18/2022	Cobalt-57	4.89E-01	5.67E-01	1.89E+00	pCi/L	U
1141	570264010	2/14/2022	Cobalt-57	4.39E-01	3.86E-01	1.28E+00	pCi/L	U
1141	573043007	3/14/2022	Cobalt-57	-1.13E+00	1.15E+00	3.46E+00	pCi/L	U
1141	576091008	4/11/2022	Cobalt-57	2.64E-01	8.66E-01	2.86E+00	pCi/L	U
1141	579261007	5/9/2022	Cobalt-57	-6.42E-01	7.68E-01	2.45E+00	pCi/L	U
1141	581945008	6/6/2022	Cobalt-57	4.62E-01	1.16E+00	4.00E+00	pCi/L	U
1141	584821007	7/4/2022	Cobalt-57	-8.71E-01	8.54E-01	2.81E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-57	4.49E-01	9.66E-01	3.18E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-57	1.37E+00	1.29E+00	4.42E+00	pCi/L	U
1141	590547008	8/29/2022	Cobalt-57	1.35E-01	1.08E+00	3.72E+00	pCi/L	U
1141	594423006	9/26/2022	Cobalt-57	3.69E-01	1.05E+00	3.38E+00	pCi/L	U
1141	597936007	10/24/2022	Cobalt-57	5.87E-01	8.84E-01	3.02E+00	pCi/L	U
1141	601450006	11/21/2022	Cobalt-57	7.81E-01	9.18E-01	3.13E+00	pCi/L	U
1141	604619007	12/19/2022	Cobalt-57	-1.71E+00	1.17E+00	3.59E+00	pCi/L	U
1141	567643010	1/18/2022	Cobalt-58	-9.13E-01	6.22E-01	1.74E+00	pCi/L	U
1141	570264010	2/14/2022	Cobalt-58	2.62E-01	6.02E-01	2.09E+00	pCi/L	U
1141	573043007	3/14/2022	Cobalt-58	-4.03E-01	1.47E+00	3.99E+00	pCi/L	U
1141	576091008	4/11/2022	Cobalt-58	6.87E-01	9.38E-01	3.25E+00	pCi/L	U
1141	579261007	5/9/2022	Cobalt-58	-7.13E-02	9.36E-01	2.67E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	581945008	6/6/2022	Cobalt-58	3.64E-01	1.17E+00	3.98E+00	pCi/L	U
1141	584821007	7/4/2022	Cobalt-58	-1.37E-01	1.01E+00	3.35E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-58	-4.42E-01	1.05E+00	3.41E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-58	-1.71E-01	1.33E+00	4.19E+00	pCi/L	U
1141	590547008	8/29/2022	Cobalt-58	-7.70E-01	1.25E+00	3.88E+00	pCi/L	U
1141	594423006	9/26/2022	Cobalt-58	8.65E-02	8.30E-01	2.68E+00	pCi/L	U
1141	597936007	10/24/2022	Cobalt-58	-4.22E-02	1.02E+00	3.44E+00	pCi/L	U
1141	601450006	11/21/2022	Cobalt-58	1.66E-02	1.07E+00	3.47E+00	pCi/L	U
1141	604619007	12/19/2022	Cobalt-58	4.33E-01	1.01E+00	3.47E+00	pCi/L	U
1141	567643010	1/18/2022	Cobalt-60	-3.38E+00	9.47E-01	1.84E+00	pCi/L	U
1141	570264010	2/14/2022	Cobalt-60	-1.76E-01	5.69E-01	1.82E+00	pCi/L	U
1141	573043007	3/14/2022	Cobalt-60	6.20E-01	8.65E-01	3.19E+00	pCi/L	U
1141	576091008	4/11/2022	Cobalt-60	-3.51E-01	9.36E-01	2.93E+00	pCi/L	U
1141	579261007	5/9/2022	Cobalt-60	-5.22E-01	8.71E-01	2.76E+00	pCi/L	U
1141	581945008	6/6/2022	Cobalt-60	-1.42E-01	1.28E+00	3.67E+00	pCi/L	U
1141	584821007	7/4/2022	Cobalt-60	1.02E+00	1.17E+00	4.19E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-60	2.88E-01	1.08E+00	3.64E+00	pCi/L	U
1141	587888007	8/1/2022	Cobalt-60	-6.99E-01	1.08E+00	3.17E+00	pCi/L	U
1141	590547008	8/29/2022	Cobalt-60	-3.01E-01	9.30E-01	2.45E+00	pCi/L	U
1141	594423006	9/26/2022	Cobalt-60	2.78E+00	1.19E+00	4.75E+00	pCi/L	U
1141	597936007	10/24/2022	Cobalt-60	7.43E-01	1.19E+00	4.22E+00	pCi/L	U
1141	601450006	11/21/2022	Cobalt-60	-4.08E-01	1.14E+00	3.64E+00	pCi/L	U
1141	604619007	12/19/2022	Cobalt-60	-4.18E-01	1.33E+00	4.26E+00	pCi/L	U
1141	567643010	1/18/2022	Iodine-131	3.83E-01	1.21E+00	4.15E+00	pCi/L	U
1141	570264010	2/14/2022	Iodine-131	-4.13E-01	9.93E-01	3.29E+00	pCi/L	U
1141	573043007	3/14/2022	Iodine-131	5.55E+00	3.02E+00	1.11E+01	pCi/L	U
1141	576091008	4/11/2022	Iodine-131	-1.01E+00	2.08E+00	6.84E+00	pCi/L	U
1141	579261007	5/9/2022	Iodine-131	-1.63E+00	1.69E+00	5.54E+00	pCi/L	U
1141	581945008	6/6/2022	Iodine-131	-1.05E+00	1.95E+00	6.07E+00	pCi/L	U
1141	584821007	7/4/2022	Iodine-131	-1.87E+00	1.38E+00	4.10E+00	pCi/L	U
1141	587888007	8/1/2022	Iodine-131	4.01E+00	2.89E+00	1.04E+01	pCi/L	U
1141	587888007	8/1/2022	Iodine-131	-1.50E+01	3.18E+01	1.05E+02	pCi/L	U
1141	590547008	8/29/2022	Iodine-131	3.20E+00	1.94E+00	6.42E+00	pCi/L	U
1141	594423006	9/26/2022	Iodine-131	3.83E-02	1.38E+00	4.61E+00	pCi/L	U
1141	597936007	10/24/2022	Iodine-131	-8.41E-01	1.57E+00	5.10E+00	pCi/L	U
1141	601450006	11/21/2022	Iodine-131	-1.58E+00	2.39E+00	7.86E+00	pCi/L	U
1141	604619007	12/19/2022	Iodine-131	1.14E+00	2.98E+00	9.53E+00	pCi/L	U
1141	567643010	1/18/2022	Iron-59	5.04E-02	1.26E+00	4.30E+00	pCi/L	U
1141	570264010	2/14/2022	Iron-59	2.50E-01	1.38E+00	4.63E+00	pCi/L	U
1141	573043007	3/14/2022	Iron-59	3.53E+00	2.64E+00	9.92E+00	pCi/L	U
1141	576091008	4/11/2022	Iron-59	-1.84E+00	1.63E+00	4.58E+00	pCi/L	U
1141	579261007	5/9/2022	Iron-59	4.11E+00	1.49E+00	5.77E+00	pCi/L	U
1141	581945008	6/6/2022	Iron-59	-6.79E-01	2.62E+00	8.20E+00	pCi/L	U
1141	584821007	7/4/2022	Iron-59	-1.17E+00	1.70E+00	5.12E+00	pCi/L	U
1141	587888007	8/1/2022	Iron-59	2.07E+00	2.19E+00	7.98E+00	pCi/L	U
1141	587888007	8/1/2022	Iron-59	-3.19E+00	3.62E+00	1.08E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	590547008	8/29/2022	Iron-59	-7.74E-01	3.20E+00	8.68E+00	pCi/L	U
1141	594423006	9/26/2022	Iron-59	-2.90E-01	2.44E+00	8.08E+00	pCi/L	U
1141	597936007	10/24/2022	Iron-59	-2.02E+00	2.61E+00	7.84E+00	pCi/L	U
1141	601450006	11/21/2022	Iron-59	-2.05E+00	1.71E+00	4.79E+00	pCi/L	U
1141	604619007	12/19/2022	Iron-59	6.82E-01	2.44E+00	8.54E+00	pCi/L	U
1141	567643010	1/18/2022	Lanthanum-140	-6.51E-02	1.22E+00	4.00E+00	pCi/L	U
1141	570264010	2/14/2022	Lanthanum-140	7.66E-01	1.08E+00	3.67E+00	pCi/L	U
1141	573043007	3/14/2022	Lanthanum-140	-8.57E-01	2.27E+00	6.95E+00	pCi/L	U
1141	576091008	4/11/2022	Lanthanum-140	2.43E+00	1.92E+00	7.30E+00	pCi/L	U
1141	579261007	5/9/2022	Lanthanum-140	8.07E-01	1.57E+00	5.39E+00	pCi/L	U
1141	581945008	6/6/2022	Lanthanum-140	3.73E-01	2.31E+00	7.77E+00	pCi/L	U
1141	584821007	7/4/2022	Lanthanum-140	-6.59E-01	1.52E+00	4.57E+00	pCi/L	U
1141	587888007	8/1/2022	Lanthanum-140	2.66E-01	3.02E+00	9.01E+00	pCi/L	U
1141	587888007	8/1/2022	Lanthanum-140	-3.67E+00	9.21E+00	2.79E+01	pCi/L	U
1141	590547008	8/29/2022	Lanthanum-140	1.72E+00	1.87E+00	6.94E+00	pCi/L	U
1141	594423006	9/26/2022	Lanthanum-140	-1.53E-01	1.65E+00	5.30E+00	pCi/L	U
1141	597936007	10/24/2022	Lanthanum-140	5.35E-01	2.19E+00	7.59E+00	pCi/L	U
1141	601450006	11/21/2022	Lanthanum-140	-8.08E-02	2.17E+00	7.12E+00	pCi/L	U
1141	604619007	12/19/2022	Lanthanum-140	-7.03E+00	4.33E+00	5.27E+00	pCi/L	U
1141	567643010	1/18/2022	Lead-210	-7.15E+01	8.26E+01	2.25E+02	pCi/L	U
1141	570264010	2/14/2022	Lead-210	-2.90E+01	1.80E+01	4.63E+01	pCi/L	U
1141	573043007	3/14/2022	Lead-210	6.76E+01	3.53E+02	1.16E+03	pCi/L	U
1141	576091008	4/11/2022	Lead-210	4.39E+02	3.38E+02	5.08E+02	pCi/L	U
1141	579261007	5/9/2022	Lead-210	-1.17E+02	4.88E+02	1.27E+03	pCi/L	U
1141	581945008	6/6/2022	Lead-210	6.66E+02	4.69E+02	1.61E+03	pCi/L	U
1141	584821007	7/4/2022	Lead-210	3.34E+01	1.32E+02	2.66E+02	pCi/L	U
1141	587888007	8/1/2022	Lead-210	2.50E+02	1.29E+02	4.34E+02	pCi/L	U
1141	587888007	8/1/2022	Lead-210	1.60E+02	6.79E+02	2.17E+03	pCi/L	U
1141	590547008	8/29/2022	Lead-210	3.19E+02	3.22E+02	1.04E+03	pCi/L	U
1141	594423006	9/26/2022	Lead-210	-4.68E+02	3.82E+02	1.09E+03	pCi/L	U
1141	597936007	10/24/2022	Lead-210	-1.56E+02	2.35E+02	7.33E+02	pCi/L	U
1141	601450006	11/21/2022	Lead-210	9.32E+01	1.56E+02	5.45E+02	pCi/L	U
1141	604619007	12/19/2022	Lead-210	6.96E+02	8.65E+02	1.88E+03	pCi/L	U
1141	567643010	1/18/2022	Lead-212	-9.10E-01	1.72E+00	5.12E+00	pCi/L	U
1141	570264010	2/14/2022	Lead-212	1.36E+00	1.47E+00	3.72E+00	pCi/L	U
1141	573043007	3/14/2022	Lead-212	-2.23E+00	2.81E+00	9.00E+00	pCi/L	U
1141	576091008	4/11/2022	Lead-212	-2.54E-01	2.39E+00	7.20E+00	pCi/L	U
1141	579261007	5/9/2022	Lead-212	3.89E+00	2.81E+00	6.17E+00	pCi/L	U
1141	581945008	6/6/2022	Lead-212	-1.20E+00	3.14E+00	1.04E+01	pCi/L	U
1141	584821007	7/4/2022	Lead-212	3.02E+00	2.95E+00	7.73E+00	pCi/L	U
1141	587888007	8/1/2022	Lead-212	5.21E+00	4.15E+00	8.45E+00	pCi/L	U
1141	587888007	8/1/2022	Lead-212	-5.33E-01	3.36E+00	9.71E+00	pCi/L	U
1141	590547008	8/29/2022	Lead-212	4.47E+00	5.55E+00	1.02E+01	pCi/L	U
1141	594423006	9/26/2022	Lead-212	6.18E+00	3.97E+00	1.01E+01	pCi/L	U
1141	597936007	10/24/2022	Lead-212	3.14E+00	2.64E+00	8.70E+00	pCi/L	U
1141	601450006	11/21/2022	Lead-212	6.24E+00	4.43E+00	8.88E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	604619007	12/19/2022	Lead-212	-7.95E-01	2.65E+00	8.06E+00	pCi/L	U
1141	567643010	1/18/2022	Lead-214	4.32E+00	3.84E+00	6.90E+00	pCi/L	U
1141	570264010	2/14/2022	Lead-214	-2.00E+00	2.01E+00	4.00E+00	pCi/L	U
1141	573043007	3/14/2022	Lead-214	-4.34E+00	2.94E+00	8.63E+00	pCi/L	U
1141	576091008	4/11/2022	Lead-214	2.72E+00	3.44E+00	8.62E+00	pCi/L	U
1141	579261007	5/9/2022	Lead-214	1.06E+00	3.46E+00	7.87E+00	pCi/L	U
1141	581945008	6/6/2022	Lead-214	2.89E+00	5.13E+00	1.19E+01	pCi/L	U
1141	584821007	7/4/2022	Lead-214	2.37E-01	2.46E+00	8.27E+00	pCi/L	U
1141	587888007	8/1/2022	Lead-214	-4.49E+00	2.92E+00	8.18E+00	pCi/L	U
1141	587888007	8/1/2022	Lead-214	5.95E+00	5.21E+00	1.19E+01	pCi/L	U
1141	590547008	8/29/2022	Lead-214	-4.71E+00	3.12E+00	8.36E+00	pCi/L	U
1141	594423006	9/26/2022	Lead-214	1.89E+00	4.60E+00	1.02E+01	pCi/L	U
1141	597936007	10/24/2022	Lead-214	7.56E+00	4.26E+00	9.95E+00	pCi/L	U
1141	601450006	11/21/2022	Lead-214	3.32E+00	3.22E+00	1.05E+01	pCi/L	U
1141	604619007	12/19/2022	Lead-214	-5.17E+00	3.43E+00	9.82E+00	pCi/L	U
1141	567643010	1/18/2022	Manganese-54	4.14E-01	6.35E-01	2.15E+00	pCi/L	U
1141	570264010	2/14/2022	Manganese-54	7.75E-01	6.61E-01	2.34E+00	pCi/L	U
1141	573043007	3/14/2022	Manganese-54	-1.76E+00	1.40E+00	3.89E+00	pCi/L	U
1141	576091008	4/11/2022	Manganese-54	2.83E+00	1.08E+00	3.01E+00	pCi/L	U
1141	579261007	5/9/2022	Manganese-54	5.55E-02	7.77E-01	2.51E+00	pCi/L	U
1141	581945008	6/6/2022	Manganese-54	-2.04E+00	1.31E+00	3.69E+00	pCi/L	U
1141	584821007	7/4/2022	Manganese-54	7.20E-01	8.91E-01	2.96E+00	pCi/L	U
1141	587888007	8/1/2022	Manganese-54	1.45E-01	9.76E-01	3.34E+00	pCi/L	U
1141	587888007	8/1/2022	Manganese-54	-1.07E+00	1.31E+00	3.78E+00	pCi/L	U
1141	590547008	8/29/2022	Manganese-54	5.37E-01	1.06E+00	3.59E+00	pCi/L	U
1141	594423006	9/26/2022	Manganese-54	6.73E-01	1.17E+00	3.93E+00	pCi/L	U
1141	597936007	10/24/2022	Manganese-54	5.13E-02	1.23E+00	3.68E+00	pCi/L	U
1141	601450006	11/21/2022	Manganese-54	1.70E+00	1.33E+00	4.73E+00	pCi/L	U
1141	604619007	12/19/2022	Manganese-54	1.11E-01	1.22E+00	3.97E+00	pCi/L	U
1141	567643010	1/18/2022	Molybdenum-99	-2.36E+01	3.45E+01	1.06E+02	pCi/L	U
1141	570264010	2/14/2022	Molybdenum-99	2.92E+01	3.87E+01	1.28E+02	pCi/L	U
1141	573043007	3/14/2022	Molybdenum-99	2.71E+02	2.57E+02	4.22E+02	pCi/L	U
1141	576091008	4/11/2022	Molybdenum-99	-3.35E+00	7.94E+01	2.55E+02	pCi/L	U
1141	579261007	5/9/2022	Molybdenum-99	-6.14E+01	5.48E+01	1.64E+02	pCi/L	U
1141	581945008	6/6/2022	Molybdenum-99	-6.70E+00	3.20E+01	1.04E+02	pCi/L	U
1141	584821007	7/4/2022	Molybdenum-99	-1.64E+01	1.88E+01	5.83E+01	pCi/L	U
1141	587888007	8/1/2022	Molybdenum-99	8.55E+01	1.27E+02	4.31E+02	pCi/L	U
1141	587888007	8/1/2022	Molybdenum-99	-2.03E+05	1.13E+05	0.00E+00	pCi/L	U
1141	590547008	8/29/2022	Molybdenum-99	-4.09E+01	2.39E+01	6.46E+01	pCi/L	U
1141	594423006	9/26/2022	Molybdenum-99	8.46E-01	1.61E+01	5.19E+01	pCi/L	U
1141	597936007	10/24/2022	Molybdenum-99	-5.78E+01	2.61E+01	5.85E+01	pCi/L	U
1141	601450006	11/21/2022	Molybdenum-99	1.39E+02	8.69E+01	3.25E+02	pCi/L	U
1141	604619007	12/19/2022	Molybdenum-99	2.74E+01	1.20E+02	4.00E+02	pCi/L	U
1141	567643010	1/18/2022	Niobium-95	-3.41E-01	7.95E-01	2.50E+00	pCi/L	U
1141	570264010	2/14/2022	Niobium-95	5.02E-01	6.46E-01	2.13E+00	pCi/L	U
1141	573043007	3/14/2022	Niobium-95	1.26E+00	1.19E+00	3.90E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	576091008	4/11/2022	Niobium-95	-3.43E-01	1.01E+00	3.14E+00	pCi/L	U
1141	579261007	5/9/2022	Niobium-95	1.34E-01	7.88E-01	2.58E+00	pCi/L	U
1141	581945008	6/6/2022	Niobium-95	4.77E-01	1.39E+00	4.73E+00	pCi/L	U
1141	584821007	7/4/2022	Niobium-95	-1.18E+00	1.13E+00	3.24E+00	pCi/L	U
1141	587888007	8/1/2022	Niobium-95	1.37E-01	1.10E+00	3.37E+00	pCi/L	U
1141	587888007	8/1/2022	Niobium-95	4.65E-01	1.66E+00	5.56E+00	pCi/L	U
1141	590547008	8/29/2022	Niobium-95	-7.88E-01	1.34E+00	4.22E+00	pCi/L	U
1141	594423006	9/26/2022	Niobium-95	1.18E+00	1.37E+00	4.52E+00	pCi/L	U
1141	597936007	10/24/2022	Niobium-95	4.74E-01	1.24E+00	4.10E+00	pCi/L	U
1141	601450006	11/21/2022	Niobium-95	6.11E-01	1.12E+00	3.83E+00	pCi/L	U
1141	604619007	12/19/2022	Niobium-95	-9.06E-01	1.10E+00	3.15E+00	pCi/L	U
1141	567643010	1/18/2022	Potassium-40	-5.90E+00	1.09E+01	3.32E+01	pCi/L	U
1141	570264010	2/14/2022	Potassium-40	-4.03E+00	1.03E+01	2.89E+01	pCi/L	U
1141	573043007	3/14/2022	Potassium-40	-1.82E+01	1.61E+01	5.37E+01	pCi/L	U
1141	576091008	4/11/2022	Potassium-40	2.13E+01	1.64E+01	6.32E+01	pCi/L	U
1141	579261007	5/9/2022	Potassium-40	-2.35E+01	1.35E+01	4.06E+01	pCi/L	U
1141	581945008	6/6/2022	Potassium-40	4.23E+01	2.82E+01	4.51E+01	pCi/L	U
1141	584821007	7/4/2022	Potassium-40	-1.25E+01	1.58E+01	5.06E+01	pCi/L	U
1141	587888007	8/1/2022	Potassium-40	-2.13E+01	1.77E+01	4.87E+01	pCi/L	U
1141	587888007	8/1/2022	Potassium-40	-2.35E+01	1.73E+01	6.01E+01	pCi/L	U
1141	590547008	8/29/2022	Potassium-40	-1.31E+01	1.97E+01	6.49E+01	pCi/L	U
1141	594423006	9/26/2022	Potassium-40	-4.98E+01	1.74E+01	4.46E+01	pCi/L	U
1141	597936007	10/24/2022	Potassium-40	-2.03E+01	1.79E+01	5.59E+01	pCi/L	U
1141	601450006	11/21/2022	Potassium-40	-2.04E+01	1.55E+01	4.81E+01	pCi/L	U
1141	604619007	12/19/2022	Potassium-40	1.01E+02	2.49E+01	2.53E+01	pCi/L	U
1141	567643010	1/18/2022	Radium-226	6.07E+01	3.20E+01	4.42E+01	pCi/L	UI
1141	570264010	2/14/2022	Radium-226	1.87E+01	2.37E+01	3.03E+01	pCi/L	U
1141	573043007	3/14/2022	Radium-226	5.22E+01	6.45E+01	7.69E+01	pCi/L	U
1141	576091008	4/11/2022	Radium-226	9.01E+01	4.66E+01	6.13E+01	pCi/L	UI
1141	579261007	5/9/2022	Radium-226	4.49E+01	4.50E+01	5.41E+01	pCi/L	U
1141	581945008	6/6/2022	Radium-226	-2.68E+01	3.68E+01	1.32E+02	pCi/L	U
1141	584821007	7/4/2022	Radium-226	4.96E+01	4.92E+01	6.44E+01	pCi/L	U
1141	587888007	8/1/2022	Radium-226	-7.36E+01	3.17E+01	1.02E+02	pCi/L	U
1141	587888007	8/1/2022	Radium-226	1.32E+01	5.00E+01	9.64E+01	pCi/L	U
1141	590547008	8/29/2022	Radium-226	5.89E+01	4.40E+01	8.21E+01	pCi/L	U
1141	594423006	9/26/2022	Radium-226	-7.01E+01	3.63E+01	1.23E+02	pCi/L	U
1141	597936007	10/24/2022	Radium-226	1.42E+01	5.04E+01	7.15E+01	pCi/L	U
1141	601450006	11/21/2022	Radium-226	-1.35E+01	3.29E+01	1.06E+02	pCi/L	U
1141	604619007	12/19/2022	Radium-226	-8.63E+01	3.71E+01	1.07E+02	pCi/L	U
1141	567643010	1/18/2022	Radium-228	-1.57E+00	3.50E+00	9.56E+00	pCi/L	U
1141	570264010	2/14/2022	Radium-228	3.53E+00	2.54E+00	9.06E+00	pCi/L	U
1141	573043007	3/14/2022	Radium-228	-5.14E-01	5.52E+00	1.75E+01	pCi/L	U
1141	576091008	4/11/2022	Radium-228	9.13E+00	4.65E+00	1.57E+01	pCi/L	U
1141	579261007	5/9/2022	Radium-228	-6.12E+00	4.09E+00	1.04E+01	pCi/L	U
1141	581945008	6/6/2022	Radium-228	-2.67E+00	5.90E+00	1.96E+01	pCi/L	U
1141	584821007	7/4/2022	Radium-228	-2.67E+00	4.09E+00	1.24E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	587888007	8/1/2022	Radium-228	-3.17E+00	4.82E+00	1.58E+01	pCi/L	U
1141	587888007	8/1/2022	Radium-228	1.82E+00	6.45E+00	2.14E+01	pCi/L	U
1141	590547008	8/29/2022	Radium-228	1.24E+00	9.39E+00	1.78E+01	pCi/L	U
1141	594423006	9/26/2022	Radium-228	1.42E+00	5.65E+00	1.86E+01	pCi/L	U
1141	597936007	10/24/2022	Radium-228	-5.19E+00	6.32E+00	1.83E+01	pCi/L	U
1141	601450006	11/21/2022	Radium-228	-4.28E+00	6.36E+00	1.66E+01	pCi/L	U
1141	604619007	12/19/2022	Radium-228	-5.80E+00	6.82E+00	2.30E+01	pCi/L	U
1141	567643010	1/18/2022	Ruthenium-103	-1.44E+00	7.27E-01	2.16E+00	pCi/L	U
1141	570264010	2/14/2022	Ruthenium-103	2.35E-01	6.34E-01	1.90E+00	pCi/L	U
1141	573043007	3/14/2022	Ruthenium-103	-4.65E-01	1.50E+00	4.81E+00	pCi/L	U
1141	576091008	4/11/2022	Ruthenium-103	-1.21E+00	1.10E+00	3.34E+00	pCi/L	U
1141	579261007	5/9/2022	Ruthenium-103	-3.87E-01	9.98E-01	2.92E+00	pCi/L	U
1141	581945008	6/6/2022	Ruthenium-103	1.45E+00	1.55E+00	4.77E+00	pCi/L	U
1141	584821007	7/4/2022	Ruthenium-103	-7.19E-01	9.67E-01	2.92E+00	pCi/L	U
1141	587888007	8/1/2022	Ruthenium-103	8.75E-01	1.26E+00	4.34E+00	pCi/L	U
1141	587888007	8/1/2022	Ruthenium-103	-1.93E+00	2.34E+00	7.30E+00	pCi/L	U
1141	590547008	8/29/2022	Ruthenium-103	5.73E-01	1.14E+00	3.45E+00	pCi/L	U
1141	594423006	9/26/2022	Ruthenium-103	-1.41E+00	1.01E+00	2.91E+00	pCi/L	U
1141	597936007	10/24/2022	Ruthenium-103	-3.14E-01	1.10E+00	3.54E+00	pCi/L	U
1141	601450006	11/21/2022	Ruthenium-103	2.44E-02	1.15E+00	3.85E+00	pCi/L	U
1141	604619007	12/19/2022	Ruthenium-103	-1.02E+00	1.44E+00	4.59E+00	pCi/L	U
1141	567643010	1/18/2022	Ruthenium-106	-1.80E+00	5.67E+00	1.82E+01	pCi/L	U
1141	570264010	2/14/2022	Ruthenium-106	-4.19E-01	5.35E+00	1.72E+01	pCi/L	U
1141	573043007	3/14/2022	Ruthenium-106	2.17E+01	1.09E+01	4.08E+01	pCi/L	U
1141	576091008	4/11/2022	Ruthenium-106	-1.29E+01	9.79E+00	2.85E+01	pCi/L	U
1141	579261007	5/9/2022	Ruthenium-106	7.81E+00	7.48E+00	2.60E+01	pCi/L	U
1141	581945008	6/6/2022	Ruthenium-106	6.45E+00	1.04E+01	3.66E+01	pCi/L	U
1141	584821007	7/4/2022	Ruthenium-106	1.28E+00	8.84E+00	2.56E+01	pCi/L	U
1141	587888007	8/1/2022	Ruthenium-106	9.38E+00	9.83E+00	3.16E+01	pCi/L	U
1141	587888007	8/1/2022	Ruthenium-106	9.36E-02	1.34E+01	4.43E+01	pCi/L	U
1141	590547008	8/29/2022	Ruthenium-106	1.38E+01	1.05E+01	3.91E+01	pCi/L	U
1141	594423006	9/26/2022	Ruthenium-106	1.93E+01	9.52E+00	3.63E+01	pCi/L	U
1141	597936007	10/24/2022	Ruthenium-106	-6.87E+00	1.15E+01	3.52E+01	pCi/L	U
1141	601450006	11/21/2022	Ruthenium-106	1.71E+00	1.15E+01	3.82E+01	pCi/L	U
1141	604619007	12/19/2022	Ruthenium-106	-4.19E+00	1.12E+01	3.56E+01	pCi/L	U
1141	567643010	1/18/2022	Selenium-75	-9.91E-01	1.00E+00	2.97E+00	pCi/L	U
1141	570264010	2/14/2022	Selenium-75	-7.43E-01	6.57E-01	2.18E+00	pCi/L	U
1141	573043007	3/14/2022	Selenium-75	2.54E-01	1.51E+00	5.17E+00	pCi/L	U
1141	576091008	4/11/2022	Selenium-75	9.28E-01	1.28E+00	4.20E+00	pCi/L	U
1141	579261007	5/9/2022	Selenium-75	1.75E+00	1.21E+00	4.01E+00	pCi/L	U
1141	581945008	6/6/2022	Selenium-75	-1.57E+00	1.86E+00	5.87E+00	pCi/L	U
1141	584821007	7/4/2022	Selenium-75	-7.62E-01	1.36E+00	4.40E+00	pCi/L	U
1141	587888007	8/1/2022	Selenium-75	4.45E+00	4.15E+00	4.84E+00	pCi/L	U
1141	587888007	8/1/2022	Selenium-75	-3.83E+00	2.70E+00	7.76E+00	pCi/L	U
1141	590547008	8/29/2022	Selenium-75	2.70E+00	1.83E+00	6.50E+00	pCi/L	U
1141	594423006	9/26/2022	Selenium-75	1.66E-01	1.43E+00	4.88E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	597936007	10/24/2022	Selenium-75	7.38E-01	1.42E+00	4.63E+00	pCi/L	U
1141	601450006	11/21/2022	Selenium-75	3.22E-02	1.91E+00	5.38E+00	pCi/L	U
1141	604619007	12/19/2022	Selenium-75	5.12E-01	1.68E+00	5.05E+00	pCi/L	U
1141	567643010	1/18/2022	Silver-108m	1.75E-01	6.40E-01	2.18E+00	pCi/L	U
1141	570264010	2/14/2022	Silver-108m	-6.85E-01	4.70E-01	1.47E+00	pCi/L	U
1141	573043007	3/14/2022	Silver-108m	2.74E-01	1.13E+00	3.79E+00	pCi/L	U
1141	576091008	4/11/2022	Silver-108m	-5.12E-01	7.70E-01	2.44E+00	pCi/L	U
1141	579261007	5/9/2022	Silver-108m	4.03E-01	7.21E-01	2.49E+00	pCi/L	U
1141	581945008	6/6/2022	Silver-108m	4.30E-01	1.11E+00	3.66E+00	pCi/L	U
1141	584821007	7/4/2022	Silver-108m	1.15E+00	8.34E-01	3.00E+00	pCi/L	U
1141	587888007	8/1/2022	Silver-108m	-2.28E-01	8.60E-01	2.78E+00	pCi/L	U
1141	587888007	8/1/2022	Silver-108m	3.16E+00	2.05E+00	4.90E+00	pCi/L	U
1141	590547008	8/29/2022	Silver-108m	1.97E+00	1.18E+00	4.23E+00	pCi/L	U
1141	594423006	9/26/2022	Silver-108m	1.47E+00	1.08E+00	3.89E+00	pCi/L	U
1141	597936007	10/24/2022	Silver-108m	-1.65E-02	1.03E+00	3.42E+00	pCi/L	U
1141	601450006	11/21/2022	Silver-108m	-2.37E-01	1.35E+00	3.88E+00	pCi/L	U
1141	604619007	12/19/2022	Silver-108m	-3.57E-01	1.16E+00	3.84E+00	pCi/L	U
1141	567643010	1/18/2022	Silver-110m	-3.75E-01	8.78E-01	2.36E+00	pCi/L	U
1141	570264010	2/14/2022	Silver-110m	-3.51E-01	8.65E-01	2.87E+00	pCi/L	U
1141	573043007	3/14/2022	Silver-110m	1.37E+00	1.54E+00	5.63E+00	pCi/L	U
1141	576091008	4/11/2022	Silver-110m	5.53E-01	1.03E+00	3.53E+00	pCi/L	U
1141	579261007	5/9/2022	Silver-110m	-1.64E-01	1.08E+00	3.42E+00	pCi/L	U
1141	581945008	6/6/2022	Silver-110m	-1.79E+00	1.91E+00	5.72E+00	pCi/L	U
1141	584821007	7/4/2022	Silver-110m	2.03E+00	1.48E+00	5.51E+00	pCi/L	U
1141	587888007	8/1/2022	Silver-110m	-2.65E+00	1.23E+00	3.01E+00	pCi/L	U
1141	587888007	8/1/2022	Silver-110m	2.77E+00	1.54E+00	6.12E+00	pCi/L	U
1141	590547008	8/29/2022	Silver-110m	7.12E-01	1.86E+00	6.34E+00	pCi/L	U
1141	594423006	9/26/2022	Silver-110m	-1.22E+00	1.22E+00	3.65E+00	pCi/L	U
1141	597936007	10/24/2022	Silver-110m	6.13E-02	1.71E+00	5.78E+00	pCi/L	U
1141	601450006	11/21/2022	Silver-110m	1.74E+00	1.40E+00	5.09E+00	pCi/L	U
1141	604619007	12/19/2022	Silver-110m	1.95E+00	1.88E+00	6.72E+00	pCi/L	U
1141	567643010	1/18/2022	Tellurium-132	3.88E+00	4.04E+00	9.14E+00	pCi/L	U
1141	570264010	2/14/2022	Tellurium-132	3.53E+00	2.67E+00	8.66E+00	pCi/L	U
1141	573043007	3/14/2022	Tellurium-132	5.34E+00	1.08E+01	3.75E+01	pCi/L	U
1141	576091008	4/11/2022	Tellurium-132	1.85E+00	6.84E+00	2.19E+01	pCi/L	U
1141	579261007	5/9/2022	Tellurium-132	-3.49E+00	5.14E+00	1.58E+01	pCi/L	U
1141	581945008	6/6/2022	Tellurium-132	5.07E-01	3.09E+00	1.03E+01	pCi/L	U
1141	584821007	7/4/2022	Tellurium-132	4.56E-01	1.91E+00	6.48E+00	pCi/L	U
1141	587888007	8/1/2022	Tellurium-132	1.84E+01	9.96E+00	3.70E+01	pCi/L	U
1141	587888007	8/1/2022	Tellurium-132	-3.97E+03	4.01E+03	0.00E+00	pCi/L	U
1141	590547008	8/29/2022	Tellurium-132	-1.69E-01	2.59E+00	8.61E+00	pCi/L	U
1141	594423006	9/26/2022	Tellurium-132	-2.41E+00	2.06E+00	6.67E+00	pCi/L	U
1141	597936007	10/24/2022	Tellurium-132	-1.25E-02	2.41E+00	7.62E+00	pCi/L	U
1141	601450006	11/21/2022	Tellurium-132	-4.73E-01	7.51E+00	2.37E+01	pCi/L	U
1141	604619007	12/19/2022	Tellurium-132	1.20E+01	1.01E+01	3.46E+01	pCi/L	U
1141	567643010	1/18/2022	Thallium-208	-1.35E+00	9.13E-01	2.48E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	570264010	2/14/2022	Thallium-208	-8.83E-01	1.05E+00	2.54E+00	pCi/L	U
1141	573043007	3/14/2022	Thallium-208	-3.76E+00	1.65E+00	4.68E+00	pCi/L	U
1141	576091008	4/11/2022	Thallium-208	-9.70E-01	1.27E+00	3.94E+00	pCi/L	U
1141	579261007	5/9/2022	Thallium-208	9.29E-01	1.46E+00	2.68E+00	pCi/L	U
1141	581945008	6/6/2022	Thallium-208	4.13E+00	3.18E+00	4.15E+00	pCi/L	U
1141	584821007	7/4/2022	Thallium-208	5.32E+00	2.24E+00	2.91E+00	pCi/L	UI
1141	587888007	8/1/2022	Thallium-208	1.73E+00	1.50E+00	5.19E+00	pCi/L	U
1141	587888007	8/1/2022	Thallium-208	5.10E-02	2.61E+00	4.53E+00	pCi/L	U
1141	590547008	8/29/2022	Thallium-208	2.90E+00	2.18E+00	3.41E+00	pCi/L	U
1141	594423006	9/26/2022	Thallium-208	2.86E-01	1.51E+00	5.11E+00	pCi/L	U
1141	597936007	10/24/2022	Thallium-208	-1.13E+00	1.48E+00	4.55E+00	pCi/L	U
1141	601450006	11/21/2022	Thallium-208	-4.78E-01	1.55E+00	4.89E+00	pCi/L	U
1141	604619007	12/19/2022	Thallium-208	-1.09E+00	1.75E+00	5.07E+00	pCi/L	U
1141	567643010	1/18/2022	Thorium-228	-9.10E-01	1.72E+00	5.12E+00	pCi/L	U
1141	570264010	2/14/2022	Thorium-228	1.36E+00	1.47E+00	3.72E+00	pCi/L	U
1141	573043007	3/14/2022	Thorium-228	-2.23E+00	2.81E+00	9.00E+00	pCi/L	U
1141	576091008	4/11/2022	Thorium-228	-2.54E-01	2.39E+00	7.20E+00	pCi/L	U
1141	579261007	5/9/2022	Thorium-228	3.89E+00	2.81E+00	6.17E+00	pCi/L	U
1141	581945008	6/6/2022	Thorium-228	-1.20E+00	3.14E+00	1.04E+01	pCi/L	U
1141	584821007	7/4/2022	Thorium-228	3.02E+00	2.95E+00	7.73E+00	pCi/L	U
1141	587888007	8/1/2022	Thorium-228	5.21E+00	4.15E+00	8.45E+00	pCi/L	U
1141	587888007	8/1/2022	Thorium-228	-5.33E-01	3.36E+00	9.71E+00	pCi/L	U
1141	590547008	8/29/2022	Thorium-228	4.47E+00	5.55E+00	1.02E+01	pCi/L	U
1141	594423006	9/26/2022	Thorium-228	6.18E+00	3.97E+00	1.01E+01	pCi/L	U
1141	597936007	10/24/2022	Thorium-228	3.14E+00	2.64E+00	8.70E+00	pCi/L	U
1141	601450006	11/21/2022	Thorium-228	6.24E+00	4.43E+00	8.88E+00	pCi/L	U
1141	604619007	12/19/2022	Thorium-228	-7.95E-01	2.65E+00	8.06E+00	pCi/L	U
1141	567643010	1/18/2022	Thorium-230	4.18E+02	2.55E+02	8.32E+02	pCi/L	U
1141	570264010	2/14/2022	Thorium-230	6.60E+02	2.20E+02	3.01E+02	pCi/L	UI
1141	573043007	3/14/2022	Thorium-230	2.27E+02	5.78E+02	1.90E+03	pCi/L	U
1141	576091008	4/11/2022	Thorium-230	5.64E+02	6.96E+02	1.37E+03	pCi/L	U
1141	579261007	5/9/2022	Thorium-230	1.98E+03	8.54E+02	1.44E+03	pCi/L	UI
1141	581945008	6/6/2022	Thorium-230	-1.53E+03	9.23E+02	2.44E+03	pCi/L	U
1141	584821007	7/4/2022	Thorium-230	-3.54E+02	4.00E+02	1.12E+03	pCi/L	U
1141	587888007	8/1/2022	Thorium-230	6.74E+02	5.42E+02	1.21E+03	pCi/L	U
1141	587888007	8/1/2022	Thorium-230	1.27E+02	8.28E+02	2.60E+03	pCi/L	U
1141	590547008	8/29/2022	Thorium-230	2.49E+02	6.32E+02	2.04E+03	pCi/L	U
1141	594423006	9/26/2022	Thorium-230	2.67E+03	9.07E+02	1.93E+03	pCi/L	U
1141	597936007	10/24/2022	Thorium-230	-1.44E+02	4.91E+02	1.65E+03	pCi/L	U
1141	601450006	11/21/2022	Thorium-230	-3.41E+02	4.47E+02	1.38E+03	pCi/L	U
1141	604619007	12/19/2022	Thorium-230	7.22E+02	7.57E+02	2.52E+03	pCi/L	U
1141	567643010	1/18/2022	Thorium-232	3.41E+03	9.42E+02	1.39E+03	pCi/L	UI
1141	570264010	2/14/2022	Thorium-232	4.17E+02	3.28E+02	4.54E+02	pCi/L	U
1141	573043007	3/14/2022	Thorium-232	1.30E+03	2.13E+03	3.31E+03	pCi/L	U
1141	576091008	4/11/2022	Thorium-232	6.84E+02	1.14E+03	2.39E+03	pCi/L	U
1141	579261007	5/9/2022	Thorium-232	-1.27E+03	1.16E+03	3.10E+03	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1141	581945008	6/6/2022	Thorium-232	2.33E+03	2.69E+03	3.84E+03	pCi/L	U
1141	584821007	7/4/2022	Thorium-232	4.35E+02	9.47E+02	1.70E+03	pCi/L	U
1141	587888007	8/1/2022	Thorium-232	2.31E+02	1.11E+03	2.10E+03	pCi/L	U
1141	587888007	8/1/2022	Thorium-232	5.17E+02	2.59E+03	4.08E+03	pCi/L	U
1141	590547008	8/29/2022	Thorium-232	-1.66E+03	1.38E+03	4.14E+03	pCi/L	U
1141	594423006	9/26/2022	Thorium-232	1.42E+03	1.88E+03	3.08E+03	pCi/L	U
1141	597936007	10/24/2022	Thorium-232	-1.41E+02	1.10E+03	3.18E+03	pCi/L	U
1141	601450006	11/21/2022	Thorium-232	-7.72E+02	8.59E+02	2.72E+03	pCi/L	U
1141	604619007	12/19/2022	Thorium-232	1.11E+04	3.57E+03	4.31E+03	pCi/L	UI
1141	567643010	1/18/2022	Thorium-234	-1.59E+01	4.34E+01	1.13E+02	pCi/L	U
1141	570264010	2/14/2022	Thorium-234	2.93E+01	2.31E+01	3.19E+01	pCi/L	U
1141	573043007	3/14/2022	Thorium-234	9.16E+01	1.50E+02	2.40E+02	pCi/L	U
1141	576091008	4/11/2022	Thorium-234	4.81E+01	8.00E+01	2.08E+02	pCi/L	U
1141	579261007	5/9/2022	Thorium-234	-8.50E+01	8.49E+01	2.27E+02	pCi/L	U
1141	581945008	6/6/2022	Thorium-234	1.64E+02	1.89E+02	3.94E+02	pCi/L	U
1141	584821007	7/4/2022	Thorium-234	3.06E+01	6.65E+01	1.22E+02	pCi/L	U
1141	587888007	8/1/2022	Thorium-234	1.62E+01	7.83E+01	1.89E+02	pCi/L	U
1141	587888007	8/1/2022	Thorium-234	3.63E+01	1.82E+02	2.97E+02	pCi/L	U
1141	590547008	8/29/2022	Thorium-234	1.48E+01	9.97E+01	3.18E+02	pCi/L	U
1141	594423006	9/26/2022	Thorium-234	9.98E+01	1.32E+02	3.42E+02	pCi/L	U
1141	597936007	10/24/2022	Thorium-234	-7.04E+01	8.03E+01	2.25E+02	pCi/L	U
1141	601450006	11/21/2022	Thorium-234	-9.39E+01	6.34E+01	1.96E+02	pCi/L	U
1141	604619007	12/19/2022	Thorium-234	-6.05E+01	1.17E+02	3.76E+02	pCi/L	U
1141	576887007	3/14/2022	Tritium	-5.15E+02	2.15E+02	7.51E+02	pCi/L	U
1141	585634008	6/6/2022	Tritium	-2.64E+02	1.89E+02	6.63E+02	pCi/L	U
1141	600026006	9/26/2022	Tritium	-3.93E+01	1.96E+02	6.47E+02	pCi/L	U
1141	609577007	12/19/2022	Tritium	2.34E+02	2.42E+02	7.75E+02	pCi/L	U
1141	567643010	1/18/2022	Uranium-234	2.97E+02	1.62E+03	4.71E+03	pCi/L	U
1141	570264010	2/14/2022	Uranium-234	1.48E+03	7.86E+02	9.76E+02	pCi/L	UI
1141	573043007	3/14/2022	Uranium-234	3.34E+03	5.16E+03	1.73E+04	pCi/L	U
1141	576091008	4/11/2022	Uranium-234	5.42E+03	2.95E+03	1.08E+04	pCi/L	U
1141	579261007	5/9/2022	Uranium-234	-7.31E+03	5.80E+03	1.55E+04	pCi/L	U
1141	581945008	6/6/2022	Uranium-234	1.61E+04	1.49E+04	2.03E+04	pCi/L	U
1141	584821007	7/4/2022	Uranium-234	1.81E+03	1.65E+03	5.54E+03	pCi/L	U
1141	587888007	8/1/2022	Uranium-234	3.65E+01	2.21E+03	7.40E+03	pCi/L	U
1141	587888007	8/1/2022	Uranium-234	6.40E+03	7.72E+03	2.71E+04	pCi/L	U
1141	590547008	8/29/2022	Uranium-234	3.38E+04	1.03E+04	1.52E+04	pCi/L	UI
1141	594423006	9/26/2022	Uranium-234	-1.18E+03	4.71E+03	1.51E+04	pCi/L	U
1141	597936007	10/24/2022	Uranium-234	1.92E+04	6.58E+03	1.20E+04	pCi/L	UI
1141	601450006	11/21/2022	Uranium-234	6.79E+02	2.70E+03	9.24E+03	pCi/L	U
1141	604619007	12/19/2022	Uranium-234	1.04E+04	8.31E+03	2.74E+04	pCi/L	U
1141	567643010	1/18/2022	Zinc-65	3.55E-01	1.41E+00	4.35E+00	pCi/L	U
1141	570264010	2/14/2022	Zinc-65	-2.59E-01	1.23E+00	4.03E+00	pCi/L	U
1141	573043007	3/14/2022	Zinc-65	2.97E+00	2.67E+00	9.10E+00	pCi/L	U
1141	576091008	4/11/2022	Zinc-65	-3.20E-01	2.40E+00	7.97E+00	pCi/L	U
1141	579261007	5/9/2022	Zinc-65	2.53E+00	1.82E+00	6.68E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1141	581945008	6/6/2022	Zinc-65	1.28E+00	2.28E+00	7.88E+00	pCi/L	U
1141	584821007	7/4/2022	Zinc-65	6.83E-01	1.84E+00	6.37E+00	pCi/L	U
1141	587888007	8/1/2022	Zinc-65	-3.12E+00	2.26E+00	6.19E+00	pCi/L	U
1141	587888007	8/1/2022	Zinc-65	2.14E-01	3.39E+00	1.02E+01	pCi/L	U
1141	590547008	8/29/2022	Zinc-65	2.43E+00	2.87E+00	1.01E+01	pCi/L	U
1141	594423006	9/26/2022	Zinc-65	1.93E+00	2.06E+00	7.07E+00	pCi/L	U
1141	597936007	10/24/2022	Zinc-65	6.60E-01	2.71E+00	9.19E+00	pCi/L	U
1141	601450006	11/21/2022	Zinc-65	-2.64E+00	1.79E+00	3.39E+00	pCi/L	U
1141	604619007	12/19/2022	Zinc-65	-4.60E+00	3.16E+00	9.22E+00	pCi/L	U
1141	567643010	1/18/2022	Zirconium-95	7.66E-01	1.32E+00	4.44E+00	pCi/L	U
1141	570264010	2/14/2022	Zirconium-95	8.14E-01	1.12E+00	3.70E+00	pCi/L	U
1141	573043007	3/14/2022	Zirconium-95	-4.14E-01	2.31E+00	7.25E+00	pCi/L	U
1141	576091008	4/11/2022	Zirconium-95	6.12E-01	1.88E+00	6.24E+00	pCi/L	U
1141	579261007	5/9/2022	Zirconium-95	5.73E-01	1.45E+00	4.83E+00	pCi/L	U
1141	581945008	6/6/2022	Zirconium-95	-1.25E+00	2.48E+00	7.87E+00	pCi/L	U
1141	584821007	7/4/2022	Zirconium-95	8.51E-01	1.72E+00	6.08E+00	pCi/L	U
1141	587888007	8/1/2022	Zirconium-95	-2.77E-01	2.40E+00	7.12E+00	pCi/L	U
1141	587888007	8/1/2022	Zirconium-95	-2.98E+00	3.37E+00	9.87E+00	pCi/L	U
1141	590547008	8/29/2022	Zirconium-95	-3.75E+00	2.37E+00	6.69E+00	pCi/L	U
1141	594423006	9/26/2022	Zirconium-95	-3.62E+00	2.14E+00	5.58E+00	pCi/L	U
1141	597936007	10/24/2022	Zirconium-95	1.93E+00	1.91E+00	6.82E+00	pCi/L	U
1141	601450006	11/21/2022	Zirconium-95	3.76E+00	2.33E+00	8.57E+00	pCi/L	U
1141	604619007	12/19/2022	Zirconium-95	-3.29E+00	2.81E+00	8.08E+00	pCi/L	U
1142	567643007	1/18/2022	Actinium-228	-4.52E-01	4.92E+00	1.45E+01	pCi/L	U
1142	570264007	2/14/2022	Actinium-228	4.93E+00	4.07E+00	7.38E+00	pCi/L	U
1142	573043005	3/14/2022	Actinium-228	2.26E+00	4.65E+00	1.62E+01	pCi/L	U
1142	576091006	4/11/2022	Actinium-228	6.13E-01	4.13E+00	1.41E+01	pCi/L	U
1142	579261005	5/9/2022	Actinium-228	6.96E+00	3.42E+00	1.24E+01	pCi/L	U
1142	581945006	6/6/2022	Actinium-228	-4.07E-01	8.01E+00	2.67E+01	pCi/L	U
1142	584821005	7/4/2022	Actinium-228	-5.47E+00	4.56E+00	1.38E+01	pCi/L	U
1142	587888005	8/1/2022	Actinium-228	-6.49E+00	5.85E+00	1.67E+01	pCi/L	U
1142	590547005	8/29/2022	Actinium-228	-4.63E+00	5.41E+00	1.77E+01	pCi/L	U
1142	594423004	9/26/2022	Actinium-228	1.17E+00	5.47E+00	1.78E+01	pCi/L	U
1142	597936005	10/24/2022	Actinium-228	4.89E+00	7.76E+00	2.17E+01	pCi/L	U
1142	601450004	11/21/2022	Actinium-228	8.55E+00	6.90E+00	2.26E+01	pCi/L	U
1142	604619005	12/19/2022	Actinium-228	9.13E+00	7.62E+00	2.15E+01	pCi/L	U
1142	567643007	1/18/2022	Americium-241	4.14E+00	8.46E+00	2.48E+01	pCi/L	U
1142	570264007	2/14/2022	Americium-241	1.82E-01	2.19E+00	6.28E+00	pCi/L	U
1142	573043005	3/14/2022	Americium-241	8.76E-01	4.92E+00	1.53E+01	pCi/L	U
1142	576091006	4/11/2022	Americium-241	-1.26E+00	1.59E+00	5.14E+00	pCi/L	U
1142	579261005	5/9/2022	Americium-241	4.58E+00	5.60E+00	1.86E+01	pCi/L	U
1142	581945006	6/6/2022	Americium-241	2.51E+00	3.31E+00	9.20E+00	pCi/L	U
1142	584821005	7/4/2022	Americium-241	6.80E+00	5.22E+00	1.74E+01	pCi/L	U
1142	587888005	8/1/2022	Americium-241	-1.28E+01	1.40E+01	3.85E+01	pCi/L	U
1142	590547005	8/29/2022	Americium-241	-9.15E+00	7.27E+00	2.28E+01	pCi/L	U
1142	594423004	9/26/2022	Americium-241	2.12E+00	6.75E+00	2.20E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	597936005	10/24/2022	Americium-241	1.17E+01	1.20E+01	3.97E+01	pCi/L	U
1142	601450004	11/21/2022	Americium-241	1.04E+00	1.12E+01	3.36E+01	pCi/L	U
1142	604619005	12/19/2022	Americium-241	-3.43E+00	9.29E+00	2.99E+01	pCi/L	U
1142	567643007	1/18/2022	Antimony-124	1.55E+00	2.00E+00	7.02E+00	pCi/L	U
1142	570264007	2/14/2022	Antimony-124	4.86E-01	1.27E+00	4.27E+00	pCi/L	U
1142	573043005	3/14/2022	Antimony-124	-4.64E+00	2.85E+00	7.00E+00	pCi/L	U
1142	576091006	4/11/2022	Antimony-124	-1.63E+00	2.11E+00	5.93E+00	pCi/L	U
1142	579261005	5/9/2022	Antimony-124	-3.33E-01	2.56E+00	8.42E+00	pCi/L	U
1142	581945006	6/6/2022	Antimony-124	2.16E-01	4.43E+00	1.44E+01	pCi/L	U
1142	584821005	7/4/2022	Antimony-124	1.91E+00	2.89E+00	1.05E+01	pCi/L	U
1142	587888005	8/1/2022	Antimony-124	-2.75E+00	3.31E+00	9.57E+00	pCi/L	U
1142	590547005	8/29/2022	Antimony-124	-1.39E+00	2.81E+00	8.73E+00	pCi/L	U
1142	594423004	9/26/2022	Antimony-124	-2.12E+00	2.72E+00	7.74E+00	pCi/L	U
1142	597936005	10/24/2022	Antimony-124	-7.03E+00	3.47E+00	8.01E+00	pCi/L	U
1142	601450004	11/21/2022	Antimony-124	-1.31E+00	3.26E+00	9.92E+00	pCi/L	U
1142	604619005	12/19/2022	Antimony-124	2.10E+00	3.61E+00	1.28E+01	pCi/L	U
1142	567643007	1/18/2022	Antimony-125	-1.29E+00	2.34E+00	7.38E+00	pCi/L	U
1142	570264007	2/14/2022	Antimony-125	-1.71E+00	1.38E+00	4.20E+00	pCi/L	U
1142	573043005	3/14/2022	Antimony-125	-9.99E-02	2.55E+00	8.54E+00	pCi/L	U
1142	576091006	4/11/2022	Antimony-125	1.83E+00	2.34E+00	8.11E+00	pCi/L	U
1142	579261005	5/9/2022	Antimony-125	-1.85E+00	2.09E+00	6.43E+00	pCi/L	U
1142	581945006	6/6/2022	Antimony-125	1.02E+01	9.61E+00	1.30E+01	pCi/L	U
1142	584821005	7/4/2022	Antimony-125	-4.26E-01	2.60E+00	8.49E+00	pCi/L	U
1142	587888005	8/1/2022	Antimony-125	3.17E+00	3.33E+00	1.14E+01	pCi/L	U
1142	590547005	8/29/2022	Antimony-125	5.66E+00	4.22E+00	9.05E+00	pCi/L	U
1142	594423004	9/26/2022	Antimony-125	-8.83E-01	2.66E+00	8.62E+00	pCi/L	U
1142	597936005	10/24/2022	Antimony-125	-4.49E-01	3.60E+00	1.14E+01	pCi/L	U
1142	601450004	11/21/2022	Antimony-125	-1.29E+00	3.74E+00	1.16E+01	pCi/L	U
1142	604619005	12/19/2022	Antimony-125	-3.84E+00	3.60E+00	9.17E+00	pCi/L	U
1142	567643007	1/18/2022	Barium-140	1.21E+00	4.02E+00	1.32E+01	pCi/L	U
1142	570264007	2/14/2022	Barium-140	2.72E+00	2.53E+00	8.79E+00	pCi/L	U
1142	573043005	3/14/2022	Barium-140	-6.11E+00	6.91E+00	2.04E+01	pCi/L	U
1142	576091006	4/11/2022	Barium-140	8.66E+00	5.13E+00	1.85E+01	pCi/L	U
1142	579261005	5/9/2022	Barium-140	8.75E+00	4.24E+00	1.58E+01	pCi/L	U
1142	581945006	6/6/2022	Barium-140	-2.03E+00	6.52E+00	2.04E+01	pCi/L	U
1142	584821005	7/4/2022	Barium-140	-1.13E+00	4.21E+00	1.33E+01	pCi/L	U
1142	587888005	8/1/2022	Barium-140	-5.04E+00	6.47E+00	2.05E+01	pCi/L	U
1142	590547005	8/29/2022	Barium-140	5.15E+00	5.09E+00	1.81E+01	pCi/L	U
1142	594423004	9/26/2022	Barium-140	-6.85E+00	4.74E+00	1.36E+01	pCi/L	U
1142	597936005	10/24/2022	Barium-140	-1.33E-01	4.82E+00	1.63E+01	pCi/L	U
1142	601450004	11/21/2022	Barium-140	1.17E+01	1.36E+01	2.70E+01	pCi/L	U
1142	604619005	12/19/2022	Barium-140	2.45E+00	6.98E+00	2.31E+01	pCi/L	U
1142	567643007	1/18/2022	Beryllium-7	4.76E+00	6.78E+00	2.28E+01	pCi/L	U
1142	570264007	2/14/2022	Beryllium-7	2.71E+00	4.36E+00	1.50E+01	pCi/L	U
1142	573043005	3/14/2022	Beryllium-7	6.42E+00	7.61E+00	2.63E+01	pCi/L	U
1142	576091006	4/11/2022	Beryllium-7	1.74E+00	7.19E+00	2.40E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	579261005	5/9/2022	Beryllium-7	-1.04E+01	7.99E+00	2.38E+01	pCi/L	U
1142	581945006	6/6/2022	Beryllium-7	-1.47E+01	1.89E+01	3.73E+01	pCi/L	U
1142	584821005	7/4/2022	Beryllium-7	-9.08E+00	8.87E+00	2.67E+01	pCi/L	U
1142	587888005	8/1/2022	Beryllium-7	-2.56E+01	1.21E+01	3.14E+01	pCi/L	U
1142	590547005	8/29/2022	Beryllium-7	3.22E+01	1.71E+01	3.50E+01	pCi/L	U
1142	594423004	9/26/2022	Beryllium-7	1.61E+01	9.37E+00	3.44E+01	pCi/L	U
1142	597936005	10/24/2022	Beryllium-7	6.01E+00	1.11E+01	3.66E+01	pCi/L	U
1142	601450004	11/21/2022	Beryllium-7	3.20E+00	1.04E+01	3.40E+01	pCi/L	U
1142	604619005	12/19/2022	Beryllium-7	-3.50E+00	1.22E+01	3.84E+01	pCi/L	U
1142	567643007	1/18/2022	BETA	1.09E+00	1.14E+00	3.62E+00	pCi/L	U
1142	570264007	2/14/2022	BETA	8.86E-01	1.15E+00	3.65E+00	pCi/L	U
1142	573043005	3/14/2022	BETA	1.57E+00	7.94E-01	2.19E+00	pCi/L	U
1142	576091006	4/11/2022	BETA	1.26E+00	1.01E+00	3.16E+00	pCi/L	U
1142	579261005	5/9/2022	BETA	1.20E+00	1.09E+00	3.40E+00	pCi/L	U
1142	581945006	6/6/2022	BETA	2.58E+00	1.08E+00	2.93E+00	pCi/L	U
1142	584821005	7/4/2022	BETA	6.58E-01	9.02E-01	2.80E+00	pCi/L	U
1142	587888005	8/1/2022	BETA	-2.19E-01	1.06E+00	3.52E+00	pCi/L	U
1142	590547005	8/29/2022	BETA	2.51E+00	1.08E+00	3.02E+00	pCi/L	U
1142	594423004	9/26/2022	BETA	1.97E-01	9.33E-01	3.01E+00	pCi/L	U
1142	597936005	10/3/2022	BETA	3.57E-01	8.34E-01	2.65E+00	pCi/L	U
1142	601450004	11/21/2022	BETA	1.66E+00	9.29E-01	2.65E+00	pCi/L	U
1142	604619005	12/19/2022	BETA	2.38E+00	1.97E+00	2.77E+00	pCi/L	U
1142	567643007	1/18/2022	Bismuth-214	1.05E+01	3.67E+00	9.38E+00	pCi/L	UI
1142	570264007	2/14/2022	Bismuth-214	5.33E-01	2.01E+00	3.31E+00	pCi/L	U
1142	573043005	3/14/2022	Bismuth-214	9.65E+00	4.13E+00	4.84E+00	pCi/L	UI
1142	576091006	4/11/2022	Bismuth-214	1.46E+00	3.25E+00	7.30E+00	pCi/L	U
1142	579261005	5/9/2022	Bismuth-214	1.78E+01	3.13E+00	8.34E+00	pCi/L	UI
1142	581945006	6/6/2022	Bismuth-214	-3.00E+00	3.99E+00	1.26E+01	pCi/L	U
1142	584821005	7/4/2022	Bismuth-214	-6.80E-01	3.06E+00	9.26E+00	pCi/L	U
1142	587888005	8/1/2022	Bismuth-214	6.58E+00	5.49E+00	1.14E+01	pCi/L	U
1142	590547005	8/29/2022	Bismuth-214	-1.12E+00	2.23E+00	6.84E+00	pCi/L	U
1142	594423004	9/26/2022	Bismuth-214	8.71E+00	4.93E+00	1.00E+01	pCi/L	U
1142	597936005	10/24/2022	Bismuth-214	3.78E+00	3.43E+00	1.08E+01	pCi/L	U
1142	601450004	11/21/2022	Bismuth-214	1.11E+01	4.34E+00	5.99E+00	pCi/L	U
1142	604619005	12/19/2022	Bismuth-214	-2.31E+00	3.21E+00	9.86E+00	pCi/L	U
1142	567643007	1/18/2022	Cerium-141	4.02E+00	2.92E+00	5.19E+00	pCi/L	U
1142	570264007	2/14/2022	Cerium-141	-1.64E+00	1.37E+00	2.90E+00	pCi/L	U
1142	573043005	3/14/2022	Cerium-141	-7.75E-01	2.01E+00	5.73E+00	pCi/L	U
1142	576091006	4/11/2022	Cerium-141	1.99E+00	2.36E+00	3.80E+00	pCi/L	U
1142	579261005	5/9/2022	Cerium-141	-2.30E-02	1.35E+00	4.35E+00	pCi/L	U
1142	581945006	6/6/2022	Cerium-141	-7.32E-01	2.03E+00	6.83E+00	pCi/L	U
1142	584821005	7/4/2022	Cerium-141	-6.44E-01	2.11E+00	6.09E+00	pCi/L	U
1142	587888005	8/1/2022	Cerium-141	5.22E+00	4.40E+00	7.28E+00	pCi/L	U
1142	590547005	8/29/2022	Cerium-141	-7.49E-01	1.83E+00	5.74E+00	pCi/L	U
1142	594423004	9/26/2022	Cerium-141	-1.42E+00	1.88E+00	5.94E+00	pCi/L	U
1142	597936005	10/24/2022	Cerium-141	-3.63E+00	2.27E+00	7.23E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	601450004	11/21/2022	Cerium-141	-4.18E+00	2.45E+00	7.44E+00	pCi/L	U
1142	604619005	12/19/2022	Cerium-141	-3.27E+00	2.52E+00	7.35E+00	pCi/L	U
1142	567643007	1/18/2022	Cerium-144	5.52E+00	5.64E+00	1.96E+01	pCi/L	U
1142	570264007	2/14/2022	Cerium-144	-1.42E+00	3.11E+00	1.04E+01	pCi/L	U
1142	573043005	3/14/2022	Cerium-144	-3.47E+00	6.77E+00	2.13E+01	pCi/L	U
1142	576091006	4/11/2022	Cerium-144	5.42E+00	4.88E+00	1.63E+01	pCi/L	U
1142	579261005	5/9/2022	Cerium-144	9.58E+00	5.34E+00	1.71E+01	pCi/L	U
1142	581945006	6/6/2022	Cerium-144	5.99E+00	8.36E+00	2.93E+01	pCi/L	U
1142	584821005	7/4/2022	Cerium-144	2.29E+01	1.39E+01	2.28E+01	pCi/L	UI
1142	587888005	8/1/2022	Cerium-144	2.21E+00	8.88E+00	3.05E+01	pCi/L	U
1142	590547005	8/29/2022	Cerium-144	-4.85E+00	7.96E+00	2.49E+01	pCi/L	U
1142	594423004	9/26/2022	Cerium-144	1.26E+00	7.26E+00	2.23E+01	pCi/L	U
1142	597936005	10/24/2022	Cerium-144	7.33E+00	8.61E+00	3.02E+01	pCi/L	U
1142	601450004	11/21/2022	Cerium-144	-6.48E+00	8.76E+00	2.78E+01	pCi/L	U
1142	604619005	12/19/2022	Cerium-144	1.23E+01	8.05E+00	2.75E+01	pCi/L	U
1142	567643007	1/18/2022	Cesium-134	9.55E-01	8.56E-01	3.10E+00	pCi/L	U
1142	570264007	2/14/2022	Cesium-134	-5.23E-02	5.08E-01	1.66E+00	pCi/L	U
1142	573043005	3/14/2022	Cesium-134	1.14E+00	9.68E-01	3.53E+00	pCi/L	U
1142	576091006	4/11/2022	Cesium-134	-1.23E+00	1.46E+00	2.62E+00	pCi/L	U
1142	579261005	5/9/2022	Cesium-134	9.19E-01	9.25E-01	3.20E+00	pCi/L	U
1142	581945006	6/6/2022	Cesium-134	1.31E+00	1.62E+00	5.90E+00	pCi/L	U
1142	584821005	7/4/2022	Cesium-134	-3.84E-01	1.16E+00	3.51E+00	pCi/L	U
1142	587888005	8/1/2022	Cesium-134	1.81E+00	1.51E+00	5.46E+00	pCi/L	U
1142	590547005	8/29/2022	Cesium-134	1.11E+00	1.09E+00	4.09E+00	pCi/L	U
1142	594423004	9/26/2022	Cesium-134	9.53E-01	1.13E+00	4.09E+00	pCi/L	U
1142	597936005	10/24/2022	Cesium-134	-5.84E-01	1.41E+00	3.81E+00	pCi/L	U
1142	601450004	11/21/2022	Cesium-134	-8.03E-01	1.25E+00	3.92E+00	pCi/L	U
1142	604619005	12/19/2022	Cesium-134	6.45E-01	1.29E+00	4.52E+00	pCi/L	U
1142	567643007	1/18/2022	Cesium-137	-8.14E-01	9.83E-01	2.95E+00	pCi/L	U
1142	570264007	2/14/2022	Cesium-137	3.11E-01	5.23E-01	1.77E+00	pCi/L	U
1142	573043005	3/14/2022	Cesium-137	-8.37E-01	9.39E-01	2.79E+00	pCi/L	U
1142	576091006	4/11/2022	Cesium-137	-1.76E+00	1.04E+00	2.90E+00	pCi/L	U
1142	579261005	5/9/2022	Cesium-137	2.09E+00	1.67E+00	3.09E+00	pCi/L	U
1142	581945006	6/6/2022	Cesium-137	1.07E+00	2.26E+00	7.18E+00	pCi/L	U
1142	584821005	7/4/2022	Cesium-137	-2.50E+00	1.86E+00	6.34E+00	pCi/L	U
1142	587888005	8/1/2022	Cesium-137	-1.66E+00	1.23E+00	3.63E+00	pCi/L	U
1142	590547005	8/29/2022	Cesium-137	-6.46E-01	1.35E+00	4.12E+00	pCi/L	U
1142	594423004	9/26/2022	Cesium-137	1.43E+00	1.22E+00	4.28E+00	pCi/L	U
1142	597936005	10/24/2022	Cesium-137	6.30E-01	1.25E+00	4.33E+00	pCi/L	U
1142	601450004	11/21/2022	Cesium-137	1.78E+00	1.42E+00	5.21E+00	pCi/L	U
1142	604619005	12/19/2022	Cesium-137	1.75E-01	1.19E+00	4.09E+00	pCi/L	U
1142	567643007	1/18/2022	Chromium-51	8.44E+00	7.50E+00	2.59E+01	pCi/L	U
1142	570264007	2/14/2022	Chromium-51	8.23E+00	5.33E+00	1.61E+01	pCi/L	U
1142	573043005	3/14/2022	Chromium-51	-6.33E+00	1.03E+01	3.22E+01	pCi/L	U
1142	576091006	4/11/2022	Chromium-51	5.39E-01	8.02E+00	2.72E+01	pCi/L	U
1142	579261005	5/9/2022	Chromium-51	6.69E+00	7.68E+00	2.63E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	581945006	6/6/2022	Chromium-51	-2.78E+01	1.31E+01	3.27E+01	pCi/L	U
1142	584821005	7/4/2022	Chromium-51	6.79E+01	2.09E+01	2.90E+01	pCi/L	UI
1142	587888005	8/1/2022	Chromium-51	-1.42E+01	1.03E+01	2.98E+01	pCi/L	U
1142	590547005	8/29/2022	Chromium-51	5.45E+00	9.51E+00	3.33E+01	pCi/L	U
1142	594423004	9/26/2022	Chromium-51	3.06E+00	9.26E+00	3.20E+01	pCi/L	U
1142	597936005	10/24/2022	Chromium-51	9.00E+00	1.09E+01	3.74E+01	pCi/L	U
1142	601450004	11/21/2022	Chromium-51	-8.04E+00	1.30E+01	4.02E+01	pCi/L	U
1142	604619005	12/19/2022	Chromium-51	-2.54E+01	1.27E+01	3.67E+01	pCi/L	U
1142	567643007	1/18/2022	Cobalt-57	8.72E-01	8.53E-01	2.70E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-57	-1.11E-01	4.16E-01	1.40E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-57	-6.59E-01	8.77E-01	2.74E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-57	-4.72E-01	7.35E-01	2.10E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-57	-3.16E-01	6.27E-01	2.01E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-57	5.00E-01	9.55E-01	3.35E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-57	-4.97E-01	9.64E-01	3.03E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-57	-1.07E+00	1.20E+00	3.97E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-57	-1.53E-03	9.42E-01	3.05E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-57	-1.02E+00	9.28E-01	2.91E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-57	-1.65E+00	1.11E+00	3.58E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-57	-1.10E-01	1.10E+00	3.60E+00	pCi/L	U
1142	604619005	12/19/2022	Cobalt-57	-4.17E-01	1.19E+00	3.71E+00	pCi/L	U
1142	567643007	1/18/2022	Cobalt-58	-2.36E-01	8.63E-01	2.87E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-58	-8.40E-01	4.76E-01	1.45E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-58	1.61E+00	9.90E-01	3.73E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-58	-2.51E-01	9.26E-01	3.09E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-58	-9.88E-01	8.62E-01	2.58E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-58	-2.27E+00	1.62E+00	4.77E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-58	8.00E-02	9.96E-01	3.39E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-58	-6.60E-01	1.27E+00	3.99E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-58	1.36E-02	9.67E-01	3.29E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-58	-2.91E-01	1.08E+00	3.55E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-58	4.74E-01	1.22E+00	4.14E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-58	-1.15E+00	1.32E+00	4.07E+00	pCi/L	U
1142	604619005	12/19/2022	Cobalt-58	6.11E-01	9.52E-01	3.43E+00	pCi/L	U
1142	567643007	1/18/2022	Cobalt-60	-4.57E-01	9.54E-01	3.01E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-60	4.46E-01	4.68E-01	1.64E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-60	-1.65E-01	1.01E+00	3.29E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-60	5.53E-01	1.04E+00	3.58E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-60	7.88E-01	8.83E-01	3.09E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-60	6.29E-02	1.94E+00	6.37E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-60	1.11E+00	1.02E+00	3.80E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-60	-1.81E-01	1.05E+00	3.44E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-60	7.23E-01	1.58E+00	5.43E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-60	1.12E+00	1.16E+00	4.18E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-60	1.71E+00	1.53E+00	5.24E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-60	6.96E-01	1.11E+00	3.94E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	604619005	12/19/2022	Cobalt-60	1.33E+00	1.03E+00	4.04E+00	pCi/L	U
1142	567643007	1/18/2022	Iodine-131	-1.31E+00	1.62E+00	5.07E+00	pCi/L	U
1142	570264007	2/14/2022	Iodine-131	-1.64E+00	9.90E-01	3.02E+00	pCi/L	U
1142	573043005	3/14/2022	Iodine-131	8.93E-01	2.42E+00	8.39E+00	pCi/L	U
1142	576091006	4/11/2022	Iodine-131	-4.40E-01	1.82E+00	6.02E+00	pCi/L	U
1142	579261005	5/9/2022	Iodine-131	-1.97E-01	1.60E+00	5.21E+00	pCi/L	U
1142	581945006	6/6/2022	Iodine-131	2.22E+00	2.05E+00	7.23E+00	pCi/L	U
1142	584821005	7/4/2022	Iodine-131	-9.40E-01	1.34E+00	4.26E+00	pCi/L	U
1142	587888005	8/1/2022	Iodine-131	5.15E-01	2.23E-01	6.55E-01	pCi/L	U
1142	590547005	8/29/2022	Iodine-131	4.67E+00	2.94E+00	4.48E+00	pCi/L	UI
1142	590547005	8/29/2022	Iodine-131	-4.42E-01	2.72E-01	9.47E-01	pCi/L	U
1142	594423004	9/26/2022	Iodine-131	-5.47E-01	1.45E+00	4.77E+00	pCi/L	U
1142	594423004	9/26/2022	Iodine-131	6.16E-01	2.84E-01	8.47E-01	pCi/L	U
1142	597936005	10/24/2022	Iodine-131	8.43E-02	2.74E-01	8.95E-01	pCi/L	U
1142	601450004	11/21/2022	Iodine-131	1.62E-01	2.09E-01	6.47E-01	pCi/L	U
1142	601450004	11/21/2022	Iodine-131	-3.84E-01	2.54E+00	8.03E+00	pCi/L	U
1142	604619005	12/19/2022	Iodine-131	-2.00E+00	2.80E+00	8.73E+00	pCi/L	U
1142	604619005	12/19/2022	Iodine-131	8.04E-02	2.19E-01	7.13E-01	pCi/L	U
1142	567643007	1/18/2022	Iron-59	8.06E-01	1.79E+00	6.14E+00	pCi/L	U
1142	570264007	2/14/2022	Iron-59	2.97E-01	1.07E+00	3.47E+00	pCi/L	U
1142	573043005	3/14/2022	Iron-59	1.35E+00	1.85E+00	6.78E+00	pCi/L	U
1142	576091006	4/11/2022	Iron-59	3.70E+00	2.24E+00	5.41E+00	pCi/L	U
1142	579261005	5/9/2022	Iron-59	-3.87E+00	2.10E+00	4.89E+00	pCi/L	U
1142	581945006	6/6/2022	Iron-59	-1.06E+01	4.00E+00	9.66E+00	pCi/L	U
1142	584821005	7/4/2022	Iron-59	-1.74E+00	1.97E+00	5.79E+00	pCi/L	U
1142	587888005	8/1/2022	Iron-59	-4.40E+00	2.88E+00	7.55E+00	pCi/L	U
1142	590547005	8/29/2022	Iron-59	1.30E+00	2.82E+00	9.77E+00	pCi/L	U
1142	594423004	9/26/2022	Iron-59	-1.49E+00	1.96E+00	5.79E+00	pCi/L	U
1142	597936005	10/24/2022	Iron-59	-1.15E+00	2.71E+00	8.29E+00	pCi/L	U
1142	601450004	11/21/2022	Iron-59	1.13E+00	2.47E+00	8.58E+00	pCi/L	U
1142	604619005	12/19/2022	Iron-59	1.22E+00	2.74E+00	9.37E+00	pCi/L	U
1142	567643007	1/18/2022	Lanthanum-140	-2.98E+00	1.91E+00	4.66E+00	pCi/L	U
1142	570264007	2/14/2022	Lanthanum-140	-1.63E+00	8.14E-01	2.35E+00	pCi/L	U
1142	573043005	3/14/2022	Lanthanum-140	1.17E+00	2.03E+00	7.23E+00	pCi/L	U
1142	576091006	4/11/2022	Lanthanum-140	-3.46E-01	1.32E+00	4.06E+00	pCi/L	U
1142	579261005	5/9/2022	Lanthanum-140	-4.11E-01	1.70E+00	5.58E+00	pCi/L	U
1142	581945006	6/6/2022	Lanthanum-140	1.25E+00	2.53E+00	8.78E+00	pCi/L	U
1142	584821005	7/4/2022	Lanthanum-140	-2.48E+00	1.75E+00	4.87E+00	pCi/L	U
1142	587888005	8/1/2022	Lanthanum-140	-2.07E+00	2.79E+00	8.58E+00	pCi/L	U
1142	590547005	8/29/2022	Lanthanum-140	-1.49E+00	1.82E+00	4.97E+00	pCi/L	U
1142	594423004	9/26/2022	Lanthanum-140	-4.87E-01	1.64E+00	5.25E+00	pCi/L	U
1142	597936005	10/24/2022	Lanthanum-140	-1.83E+00	1.74E+00	4.79E+00	pCi/L	U
1142	601450004	11/21/2022	Lanthanum-140	1.15E+00	2.24E+00	7.79E+00	pCi/L	U
1142	604619005	12/19/2022	Lanthanum-140	-2.02E+00	1.87E+00	4.80E+00	pCi/L	U
1142	567643007	1/18/2022	Lead-210	-4.69E+02	3.69E+02	9.22E+02	pCi/L	U
1142	570264007	2/14/2022	Lead-210	1.07E+01	6.80E+01	1.07E+02	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	573043005	3/14/2022	Lead-210	-2.94E+01	1.09E+02	3.30E+02	pCi/L	U
1142	576091006	4/11/2022	Lead-210	-4.26E+00	2.35E+01	7.93E+01	pCi/L	U
1142	579261005	5/9/2022	Lead-210	1.58E+00	1.38E+02	4.83E+02	pCi/L	U
1142	581945006	6/6/2022	Lead-210	-1.73E+01	3.35E+01	1.09E+02	pCi/L	U
1142	584821005	7/4/2022	Lead-210	-6.08E+01	1.32E+02	4.16E+02	pCi/L	U
1142	587888005	8/1/2022	Lead-210	5.95E+01	4.31E+02	1.39E+03	pCi/L	U
1142	590547005	8/29/2022	Lead-210	-2.09E+02	2.48E+02	7.26E+02	pCi/L	U
1142	594423004	9/26/2022	Lead-210	-1.32E+02	1.67E+02	5.60E+02	pCi/L	U
1142	597936005	10/24/2022	Lead-210	8.41E+02	4.60E+02	1.60E+03	pCi/L	U
1142	601450004	11/21/2022	Lead-210	-6.47E+02	3.67E+02	1.01E+03	pCi/L	U
1142	604619005	12/19/2022	Lead-210	2.30E+02	2.91E+02	1.00E+03	pCi/L	U
1142	567643007	1/18/2022	Lead-212	2.37E+00	2.57E+00	6.28E+00	pCi/L	U
1142	570264007	2/14/2022	Lead-212	3.93E-01	1.40E+00	3.42E+00	pCi/L	U
1142	573043005	3/14/2022	Lead-212	-6.44E+00	2.30E+00	6.68E+00	pCi/L	U
1142	576091006	4/11/2022	Lead-212	5.63E+00	3.10E+00	5.63E+00	pCi/L	U
1142	579261005	5/9/2022	Lead-212	5.02E+00	2.44E+00	4.16E+00	pCi/L	U
1142	581945006	6/6/2022	Lead-212	6.90E+00	3.69E+00	1.05E+01	pCi/L	U
1142	584821005	7/4/2022	Lead-212	-3.20E+00	2.29E+00	7.40E+00	pCi/L	U
1142	587888005	8/1/2022	Lead-212	2.20E+00	4.27E+00	7.94E+00	pCi/L	U
1142	590547005	8/29/2022	Lead-212	-5.03E+00	2.41E+00	6.69E+00	pCi/L	U
1142	594423004	9/26/2022	Lead-212	7.19E-01	2.62E+00	8.58E+00	pCi/L	U
1142	597936005	10/24/2022	Lead-212	2.54E+00	4.18E+00	1.07E+01	pCi/L	U
1142	601450004	11/21/2022	Lead-212	8.05E+00	4.13E+00	7.93E+00	pCi/L	UI
1142	604619005	12/19/2022	Lead-212	8.66E-01	2.97E+00	9.99E+00	pCi/L	U
1142	567643007	1/18/2022	Lead-214	7.95E+00	4.21E+00	8.77E+00	pCi/L	U
1142	570264007	2/14/2022	Lead-214	2.07E+00	1.84E+00	4.16E+00	pCi/L	U
1142	573043005	3/14/2022	Lead-214	-1.43E+00	2.48E+00	7.11E+00	pCi/L	U
1142	576091006	4/11/2022	Lead-214	2.47E+00	2.27E+00	6.98E+00	pCi/L	U
1142	579261005	5/9/2022	Lead-214	8.09E+00	3.57E+00	7.10E+00	pCi/L	UI
1142	581945006	6/6/2022	Lead-214	9.64E+00	6.65E+00	1.47E+01	pCi/L	U
1142	584821005	7/4/2022	Lead-214	-3.30E+00	3.02E+00	9.17E+00	pCi/L	U
1142	587888005	8/1/2022	Lead-214	1.51E+00	3.20E+00	1.00E+01	pCi/L	U
1142	590547005	8/29/2022	Lead-214	-6.25E-01	2.97E+00	9.10E+00	pCi/L	U
1142	594423004	9/26/2022	Lead-214	-4.67E-02	2.72E+00	8.26E+00	pCi/L	U
1142	597936005	10/24/2022	Lead-214	-4.18E+00	3.42E+00	1.01E+01	pCi/L	U
1142	601450004	11/21/2022	Lead-214	4.15E+00	3.47E+00	9.46E+00	pCi/L	U
1142	604619005	12/19/2022	Lead-214	5.50E+00	3.45E+00	1.19E+01	pCi/L	U
1142	567643007	1/18/2022	Manganese-54	3.56E-01	7.64E-01	2.66E+00	pCi/L	U
1142	570264007	2/14/2022	Manganese-54	6.53E-01	4.87E-01	1.67E+00	pCi/L	U
1142	573043005	3/14/2022	Manganese-54	-2.26E-01	7.85E-01	2.43E+00	pCi/L	U
1142	576091006	4/11/2022	Manganese-54	1.03E+00	1.03E+00	3.72E+00	pCi/L	U
1142	579261005	5/9/2022	Manganese-54	1.13E+00	8.02E-01	2.84E+00	pCi/L	U
1142	581945006	6/6/2022	Manganese-54	1.30E+00	1.64E+00	5.88E+00	pCi/L	U
1142	584821005	7/4/2022	Manganese-54	-1.81E+00	9.36E-01	2.50E+00	pCi/L	U
1142	587888005	8/1/2022	Manganese-54	2.17E-01	1.24E+00	4.16E+00	pCi/L	U
1142	590547005	8/29/2022	Manganese-54	8.25E-01	1.15E+00	4.17E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	594423004	9/26/2022	Manganese-54	1.09E+00	8.93E-01	3.36E+00	pCi/L	U
1142	597936005	10/24/2022	Manganese-54	8.82E-01	1.25E+00	4.34E+00	pCi/L	U
1142	601450004	11/21/2022	Manganese-54	1.67E+00	1.33E+00	4.50E+00	pCi/L	U
1142	604619005	12/19/2022	Manganese-54	-1.35E+00	1.59E+00	4.65E+00	pCi/L	U
1142	567643007	1/18/2022	Molybdenum-99	1.61E+01	4.43E+01	1.37E+02	pCi/L	U
1142	570264007	2/14/2022	Molybdenum-99	-2.44E+01	3.03E+01	9.68E+01	pCi/L	U
1142	573043005	3/14/2022	Molybdenum-99	-2.13E+00	1.28E+02	3.71E+02	pCi/L	U
1142	576091006	4/11/2022	Molybdenum-99	-5.64E+01	7.03E+01	2.08E+02	pCi/L	U
1142	579261005	5/9/2022	Molybdenum-99	-5.17E+01	5.97E+01	1.85E+02	pCi/L	U
1142	581945006	6/6/2022	Molybdenum-99	2.42E+01	3.67E+01	1.33E+02	pCi/L	U
1142	584821005	7/4/2022	Molybdenum-99	2.59E+01	2.15E+01	7.69E+01	pCi/L	U
1142	587888005	8/1/2022	Molybdenum-99	2.80E+02	1.00E+02	4.09E+02	pCi/L	U
1142	590547005	8/29/2022	Molybdenum-99	1.73E+01	2.44E+01	8.39E+01	pCi/L	U
1142	594423004	9/26/2022	Molybdenum-99	-3.05E+01	1.87E+01	5.45E+01	pCi/L	U
1142	597936005	10/24/2022	Molybdenum-99	4.79E+00	2.72E+01	9.13E+01	pCi/L	U
1142	601450004	11/21/2022	Molybdenum-99	8.00E+01	1.11E+02	3.93E+02	pCi/L	U
1142	604619005	12/19/2022	Molybdenum-99	3.85E+00	1.38E+02	3.00E+02	pCi/L	U
1142	567643007	1/18/2022	Niobium-95	-1.65E-02	8.86E-01	3.00E+00	pCi/L	U
1142	570264007	2/14/2022	Niobium-95	-1.59E-01	4.99E-01	1.62E+00	pCi/L	U
1142	573043005	3/14/2022	Niobium-95	-4.18E-01	1.05E+00	3.26E+00	pCi/L	U
1142	576091006	4/11/2022	Niobium-95	8.84E-01	1.03E+00	3.48E+00	pCi/L	U
1142	579261005	5/9/2022	Niobium-95	3.01E-01	9.64E-01	3.21E+00	pCi/L	U
1142	581945006	6/6/2022	Niobium-95	8.99E-01	1.53E+00	5.45E+00	pCi/L	U
1142	584821005	7/4/2022	Niobium-95	6.18E-01	1.11E+00	3.94E+00	pCi/L	U
1142	587888005	8/1/2022	Niobium-95	-1.73E+00	1.29E+00	3.06E+00	pCi/L	U
1142	590547005	8/29/2022	Niobium-95	-1.25E+00	1.26E+00	2.91E+00	pCi/L	U
1142	594423004	9/26/2022	Niobium-95	-2.88E-01	9.26E-01	2.63E+00	pCi/L	U
1142	597936005	10/24/2022	Niobium-95	1.55E+00	1.31E+00	4.34E+00	pCi/L	U
1142	601450004	11/21/2022	Niobium-95	9.84E-01	1.49E+00	4.95E+00	pCi/L	U
1142	604619005	12/19/2022	Niobium-95	1.95E+00	1.39E+00	5.19E+00	pCi/L	U
1142	567643007	1/18/2022	Potassium-40	-1.09E+01	1.47E+01	3.61E+01	pCi/L	U
1142	570264007	2/14/2022	Potassium-40	-9.46E+00	9.51E+00	2.48E+01	pCi/L	U
1142	573043005	3/14/2022	Potassium-40	2.50E+01	1.63E+01	3.01E+01	pCi/L	U
1142	576091006	4/11/2022	Potassium-40	1.45E+01	2.32E+01	3.42E+01	pCi/L	U
1142	579261005	5/9/2022	Potassium-40	-1.06E+01	1.40E+01	3.63E+01	pCi/L	U
1142	581945006	6/6/2022	Potassium-40	1.60E+01	2.74E+01	4.29E+01	pCi/L	U
1142	584821005	7/4/2022	Potassium-40	-2.43E+00	1.59E+01	5.31E+01	pCi/L	U
1142	587888005	8/1/2022	Potassium-40	-1.65E+01	1.89E+01	6.10E+01	pCi/L	U
1142	590547005	8/29/2022	Potassium-40	-2.10E+01	1.96E+01	5.70E+01	pCi/L	U
1142	594423004	9/26/2022	Potassium-40	1.87E+01	2.34E+01	3.94E+01	pCi/L	U
1142	597936005	10/24/2022	Potassium-40	1.09E+01	1.74E+01	4.84E+01	pCi/L	U
1142	601450004	11/21/2022	Potassium-40	1.66E+01	1.74E+01	6.26E+01	pCi/L	U
1142	604619005	12/19/2022	Potassium-40	-8.34E+00	1.66E+01	6.00E+01	pCi/L	U
1142	567643007	1/18/2022	Radium-226	4.70E+01	3.82E+01	5.80E+01	pCi/L	U
1142	570264007	2/14/2022	Radium-226	-2.56E+01	1.93E+01	4.35E+01	pCi/L	U
1142	573043005	3/14/2022	Radium-226	8.81E+00	3.93E+01	6.63E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	576091006	4/11/2022	Radium-226	1.22E+01	3.72E+01	4.31E+01	pCi/L	U
1142	579261005	5/9/2022	Radium-226	-1.14E+01	2.09E+01	6.53E+01	pCi/L	U
1142	581945006	6/6/2022	Radium-226	3.66E+01	5.94E+01	8.59E+01	pCi/L	U
1142	584821005	7/4/2022	Radium-226	7.30E+01	3.68E+01	6.59E+01	pCi/L	UI
1142	587888005	8/1/2022	Radium-226	2.95E+01	5.73E+01	8.38E+01	pCi/L	U
1142	590547005	8/29/2022	Radium-226	5.39E+01	5.48E+01	7.73E+01	pCi/L	U
1142	594423004	9/26/2022	Radium-226	4.20E+01	6.20E+01	7.63E+01	pCi/L	U
1142	597936005	10/24/2022	Radium-226	5.70E+01	5.29E+01	8.90E+01	pCi/L	U
1142	601450004	11/21/2022	Radium-226	6.73E+01	5.98E+01	7.94E+01	pCi/L	U
1142	604619005	12/19/2022	Radium-226	7.59E+00	6.15E+01	8.21E+01	pCi/L	U
1142	567643007	1/18/2022	Radium-228	-4.52E-01	4.92E+00	1.45E+01	pCi/L	U
1142	570264007	2/14/2022	Radium-228	4.93E+00	4.07E+00	7.38E+00	pCi/L	U
1142	573043005	3/14/2022	Radium-228	2.26E+00	4.65E+00	1.62E+01	pCi/L	U
1142	576091006	4/11/2022	Radium-228	6.13E-01	4.13E+00	1.41E+01	pCi/L	U
1142	579261005	5/9/2022	Radium-228	6.96E+00	3.42E+00	1.24E+01	pCi/L	U
1142	581945006	6/6/2022	Radium-228	-4.07E-01	8.01E+00	2.67E+01	pCi/L	U
1142	584821005	7/4/2022	Radium-228	-5.47E+00	4.56E+00	1.38E+01	pCi/L	U
1142	587888005	8/1/2022	Radium-228	-6.49E+00	5.85E+00	1.67E+01	pCi/L	U
1142	590547005	8/29/2022	Radium-228	-4.63E+00	5.41E+00	1.77E+01	pCi/L	U
1142	594423004	9/26/2022	Radium-228	1.17E+00	5.47E+00	1.78E+01	pCi/L	U
1142	597936005	10/24/2022	Radium-228	4.89E+00	7.76E+00	2.17E+01	pCi/L	U
1142	601450004	11/21/2022	Radium-228	8.55E+00	6.90E+00	2.26E+01	pCi/L	U
1142	604619005	12/19/2022	Radium-228	9.13E+00	7.62E+00	2.15E+01	pCi/L	U
1142	567643007	1/18/2022	Ruthenium-103	1.03E+00	9.61E-01	3.27E+00	pCi/L	U
1142	570264007	2/14/2022	Ruthenium-103	-1.82E-01	5.91E-01	1.74E+00	pCi/L	U
1142	573043005	3/14/2022	Ruthenium-103	-4.11E-01	1.02E+00	3.30E+00	pCi/L	U
1142	576091006	4/11/2022	Ruthenium-103	-1.97E+00	1.05E+00	3.07E+00	pCi/L	U
1142	579261005	5/9/2022	Ruthenium-103	-1.38E+00	9.39E-01	2.74E+00	pCi/L	U
1142	581945006	6/6/2022	Ruthenium-103	9.56E-01	1.61E+00	5.44E+00	pCi/L	U
1142	584821005	7/4/2022	Ruthenium-103	-1.56E+00	9.33E-01	2.56E+00	pCi/L	U
1142	587888005	8/1/2022	Ruthenium-103	-1.30E+00	1.65E+00	4.22E+00	pCi/L	U
1142	590547005	8/29/2022	Ruthenium-103	-2.69E-01	1.18E+00	3.79E+00	pCi/L	U
1142	594423004	9/26/2022	Ruthenium-103	5.17E-01	9.76E-01	3.34E+00	pCi/L	U
1142	597936005	10/24/2022	Ruthenium-103	4.92E-01	1.15E+00	4.03E+00	pCi/L	U
1142	601450004	11/21/2022	Ruthenium-103	-1.09E+00	1.52E+00	4.26E+00	pCi/L	U
1142	604619005	12/19/2022	Ruthenium-103	3.44E-02	1.41E+00	4.54E+00	pCi/L	U
1142	567643007	1/18/2022	Ruthenium-106	-4.01E+00	7.87E+00	2.42E+01	pCi/L	U
1142	570264007	2/14/2022	Ruthenium-106	2.29E+00	4.19E+00	1.38E+01	pCi/L	U
1142	573043005	3/14/2022	Ruthenium-106	-6.84E+00	9.39E+00	2.89E+01	pCi/L	U
1142	576091006	4/11/2022	Ruthenium-106	8.51E+00	8.11E+00	2.82E+01	pCi/L	U
1142	579261005	5/9/2022	Ruthenium-106	-1.30E+01	9.82E+00	2.38E+01	pCi/L	U
1142	581945006	6/6/2022	Ruthenium-106	-6.18E+00	1.38E+01	4.20E+01	pCi/L	U
1142	584821005	7/4/2022	Ruthenium-106	6.76E+00	1.03E+01	3.35E+01	pCi/L	U
1142	587888005	8/1/2022	Ruthenium-106	-1.36E+01	1.13E+01	3.44E+01	pCi/L	U
1142	590547005	8/29/2022	Ruthenium-106	-1.37E+00	1.20E+01	3.83E+01	pCi/L	U
1142	594423004	9/26/2022	Ruthenium-106	2.51E+01	1.09E+01	4.11E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	597936005	10/24/2022	Ruthenium-106	-1.03E+01	9.95E+00	3.02E+01	pCi/L	U
1142	601450004	11/21/2022	Ruthenium-106	1.94E+01	1.12E+01	3.74E+01	pCi/L	U
1142	604619005	12/19/2022	Ruthenium-106	3.14E+01	9.78E+00	3.06E+01	pCi/L	UI
1142	567643007	1/18/2022	Selenium-75	-2.97E-01	1.21E+00	3.95E+00	pCi/L	U
1142	570264007	2/14/2022	Selenium-75	1.20E-02	7.61E-01	2.22E+00	pCi/L	U
1142	573043005	3/14/2022	Selenium-75	-2.59E+00	1.43E+00	3.89E+00	pCi/L	U
1142	576091006	4/11/2022	Selenium-75	9.78E-02	9.88E-01	3.39E+00	pCi/L	U
1142	579261005	5/9/2022	Selenium-75	3.19E-01	9.32E-01	3.18E+00	pCi/L	U
1142	581945006	6/6/2022	Selenium-75	1.78E+00	1.77E+00	6.21E+00	pCi/L	U
1142	584821005	7/4/2022	Selenium-75	1.07E+00	1.28E+00	4.57E+00	pCi/L	U
1142	587888005	8/1/2022	Selenium-75	-3.09E+00	1.69E+00	4.96E+00	pCi/L	U
1142	590547005	8/29/2022	Selenium-75	1.63E+00	1.54E+00	5.36E+00	pCi/L	U
1142	594423004	9/26/2022	Selenium-75	9.64E-01	1.54E+00	4.98E+00	pCi/L	U
1142	597936005	10/24/2022	Selenium-75	-5.41E-01	1.68E+00	5.42E+00	pCi/L	U
1142	601450004	11/21/2022	Selenium-75	-9.40E-01	1.72E+00	5.39E+00	pCi/L	U
1142	604619005	12/19/2022	Selenium-75	-4.35E-01	1.60E+00	5.29E+00	pCi/L	U
1142	567643007	1/18/2022	Silver-108m	-7.34E-01	8.98E-01	2.41E+00	pCi/L	U
1142	570264007	2/14/2022	Silver-108m	2.22E-01	4.48E-01	1.44E+00	pCi/L	U
1142	573043005	3/14/2022	Silver-108m	-2.69E-01	8.58E-01	2.82E+00	pCi/L	U
1142	576091006	4/11/2022	Silver-108m	1.30E-01	7.40E-01	2.48E+00	pCi/L	U
1142	579261005	5/9/2022	Silver-108m	5.20E-01	7.68E-01	2.55E+00	pCi/L	U
1142	581945006	6/6/2022	Silver-108m	2.05E+00	1.46E+00	5.19E+00	pCi/L	U
1142	584821005	7/4/2022	Silver-108m	-5.25E-01	8.35E-01	2.61E+00	pCi/L	U
1142	587888005	8/1/2022	Silver-108m	-5.51E-01	1.24E+00	3.85E+00	pCi/L	U
1142	590547005	8/29/2022	Silver-108m	-1.38E+00	1.08E+00	3.22E+00	pCi/L	U
1142	594423004	9/26/2022	Silver-108m	-1.50E-01	8.98E-01	2.94E+00	pCi/L	U
1142	597936005	10/24/2022	Silver-108m	1.94E+00	1.23E+00	4.35E+00	pCi/L	U
1142	601450004	11/21/2022	Silver-108m	1.17E+00	1.27E+00	4.28E+00	pCi/L	U
1142	604619005	12/19/2022	Silver-108m	3.78E-01	1.20E+00	3.99E+00	pCi/L	U
1142	567643007	1/18/2022	Silver-110m	-3.52E-01	1.13E+00	3.73E+00	pCi/L	U
1142	570264007	2/14/2022	Silver-110m	-4.25E-01	6.82E-01	2.17E+00	pCi/L	U
1142	573043005	3/14/2022	Silver-110m	-9.79E-01	1.30E+00	3.77E+00	pCi/L	U
1142	576091006	4/11/2022	Silver-110m	-2.25E+00	1.17E+00	3.31E+00	pCi/L	U
1142	579261005	5/9/2022	Silver-110m	-1.84E+00	1.32E+00	3.29E+00	pCi/L	U
1142	581945006	6/6/2022	Silver-110m	-1.48E-01	2.19E+00	6.78E+00	pCi/L	U
1142	584821005	7/4/2022	Silver-110m	-5.23E-01	1.21E+00	3.87E+00	pCi/L	U
1142	587888005	8/1/2022	Silver-110m	1.43E+00	1.60E+00	5.71E+00	pCi/L	U
1142	590547005	8/29/2022	Silver-110m	1.13E+00	1.40E+00	5.13E+00	pCi/L	U
1142	594423004	9/26/2022	Silver-110m	-9.29E-02	1.24E+00	4.10E+00	pCi/L	U
1142	597936005	10/24/2022	Silver-110m	2.62E-01	1.73E+00	5.73E+00	pCi/L	U
1142	601450004	11/21/2022	Silver-110m	1.13E+00	1.48E+00	5.31E+00	pCi/L	U
1142	604619005	12/19/2022	Silver-110m	-2.44E+00	1.60E+00	4.32E+00	pCi/L	U
1142	567643007	1/18/2022	Tellurium-132	4.13E-01	3.79E+00	1.27E+01	pCi/L	U
1142	570264007	2/14/2022	Tellurium-132	4.38E+00	2.73E+00	9.26E+00	pCi/L	U
1142	573043005	3/14/2022	Tellurium-132	4.83E+00	8.86E+00	2.88E+01	pCi/L	U
1142	576091006	4/11/2022	Tellurium-132	-2.60E+00	5.52E+00	1.68E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	579261005	5/9/2022	Tellurium-132	-6.78E+00	3.96E+00	1.28E+01	pCi/L	U
1142	581945006	6/6/2022	Tellurium-132	-5.57E+00	3.36E+00	1.04E+01	pCi/L	U
1142	584821005	7/4/2022	Tellurium-132	6.93E-01	1.90E+00	6.64E+00	pCi/L	U
1142	587888005	8/1/2022	Tellurium-132	9.20E+00	1.04E+01	3.28E+01	pCi/L	U
1142	590547005	8/29/2022	Tellurium-132	9.18E-01	2.40E+00	7.69E+00	pCi/L	U
1142	594423004	9/26/2022	Tellurium-132	-2.14E+00	1.99E+00	5.86E+00	pCi/L	U
1142	597936005	10/24/2022	Tellurium-132	-1.59E+00	2.89E+00	9.32E+00	pCi/L	U
1142	601450004	11/21/2022	Tellurium-132	1.63E+01	9.88E+00	2.54E+01	pCi/L	U
1142	604619005	12/19/2022	Tellurium-132	1.08E+01	1.01E+01	3.57E+01	pCi/L	U
1142	567643007	1/18/2022	Thallium-208	3.00E+00	1.77E+00	2.42E+00	pCi/L	UI
1142	570264007	2/14/2022	Thallium-208	-2.87E-01	8.12E-01	2.03E+00	pCi/L	U
1142	573043005	3/14/2022	Thallium-208	4.58E+00	1.33E+00	2.20E+00	pCi/L	U
1142	576091006	4/11/2022	Thallium-208	-7.33E-02	1.31E+00	3.63E+00	pCi/L	U
1142	579261005	5/9/2022	Thallium-208	5.34E-01	1.98E+00	2.81E+00	pCi/L	U
1142	581945006	6/6/2022	Thallium-208	-7.19E-01	2.32E+00	6.98E+00	pCi/L	U
1142	584821005	7/4/2022	Thallium-208	3.51E+00	2.42E+00	3.12E+00	pCi/L	UI
1142	587888005	8/1/2022	Thallium-208	1.04E+00	1.59E+00	5.26E+00	pCi/L	U
1142	590547005	8/29/2022	Thallium-208	1.52E+00	1.65E+00	5.26E+00	pCi/L	U
1142	594423004	9/26/2022	Thallium-208	-2.19E+00	1.27E+00	3.79E+00	pCi/L	U
1142	597936005	10/24/2022	Thallium-208	8.14E+00	2.63E+00	3.58E+00	pCi/L	UI
1142	601450004	11/21/2022	Thallium-208	-1.12E+00	1.62E+00	5.31E+00	pCi/L	U
1142	604619005	12/19/2022	Thallium-208	-1.26E+00	1.75E+00	5.53E+00	pCi/L	U
1142	567643007	1/18/2022	Thorium-228	2.37E+00	2.57E+00	6.28E+00	pCi/L	U
1142	570264007	2/14/2022	Thorium-228	3.93E-01	1.40E+00	3.42E+00	pCi/L	U
1142	573043005	3/14/2022	Thorium-228	-6.44E+00	2.30E+00	6.68E+00	pCi/L	U
1142	576091006	4/11/2022	Thorium-228	5.63E+00	3.10E+00	5.63E+00	pCi/L	U
1142	579261005	5/9/2022	Thorium-228	5.02E+00	2.44E+00	4.16E+00	pCi/L	U
1142	581945006	6/6/2022	Thorium-228	6.90E+00	3.69E+00	1.05E+01	pCi/L	U
1142	584821005	7/4/2022	Thorium-228	-3.20E+00	2.29E+00	7.40E+00	pCi/L	U
1142	587888005	8/1/2022	Thorium-228	2.20E+00	4.27E+00	7.94E+00	pCi/L	U
1142	590547005	8/29/2022	Thorium-228	-5.03E+00	2.41E+00	6.69E+00	pCi/L	U
1142	594423004	9/26/2022	Thorium-228	7.19E-01	2.62E+00	8.58E+00	pCi/L	U
1142	597936005	10/24/2022	Thorium-228	2.54E+00	4.18E+00	1.07E+01	pCi/L	U
1142	601450004	11/21/2022	Thorium-228	8.05E+00	4.13E+00	7.93E+00	pCi/L	UI
1142	604619005	12/19/2022	Thorium-228	8.66E-01	2.97E+00	9.99E+00	pCi/L	U
1142	567643007	1/18/2022	Thorium-230	3.04E+03	1.07E+03	1.51E+03	pCi/L	UI
1142	570264007	2/14/2022	Thorium-230	6.78E+02	2.42E+02	4.63E+02	pCi/L	UI
1142	573043005	3/14/2022	Thorium-230	-7.99E+01	3.59E+02	1.18E+03	pCi/L	U
1142	576091006	4/11/2022	Thorium-230	3.84E+01	1.60E+02	5.34E+02	pCi/L	U
1142	579261005	5/9/2022	Thorium-230	-4.52E+02	4.64E+02	1.29E+03	pCi/L	U
1142	581945006	6/6/2022	Thorium-230	6.89E+02	3.61E+02	8.87E+02	pCi/L	U
1142	584821005	7/4/2022	Thorium-230	1.68E+03	6.39E+02	1.26E+03	pCi/L	UI
1142	587888005	8/1/2022	Thorium-230	1.53E+03	9.30E+02	2.27E+03	pCi/L	U
1142	590547005	8/29/2022	Thorium-230	-1.93E+03	5.59E+02	1.36E+03	pCi/L	U
1142	594423004	9/26/2022	Thorium-230	3.60E+02	7.67E+02	1.39E+03	pCi/L	U
1142	597936005	10/24/2022	Thorium-230	-3.87E+02	6.98E+02	2.15E+03	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	601450004	11/21/2022	Thorium-230	5.87E+02	6.85E+02	2.36E+03	pCi/L	U
1142	604619005	12/19/2022	Thorium-230	-3.88E+02	5.86E+02	1.85E+03	pCi/L	U
1142	567643007	1/18/2022	Thorium-232	3.54E+03	2.01E+03	2.71E+03	pCi/L	UI
1142	570264007	2/14/2022	Thorium-232	7.77E+02	4.62E+02	7.92E+02	pCi/L	U
1142	573043005	3/14/2022	Thorium-232	3.82E+02	1.23E+03	1.86E+03	pCi/L	U
1142	576091006	4/11/2022	Thorium-232	-8.89E+02	3.83E+02	1.31E+03	pCi/L	U
1142	579261005	5/9/2022	Thorium-232	5.12E+03	2.16E+03	2.26E+03	pCi/L	UI
1142	581945006	6/6/2022	Thorium-232	6.96E+02	6.66E+02	1.29E+03	pCi/L	U
1142	584821005	7/4/2022	Thorium-232	-2.60E+02	8.08E+02	2.69E+03	pCi/L	U
1142	587888005	8/1/2022	Thorium-232	2.67E+03	2.32E+03	4.26E+03	pCi/L	U
1142	590547005	8/29/2022	Thorium-232	-1.97E+03	1.07E+03	3.38E+03	pCi/L	U
1142	594423004	9/26/2022	Thorium-232	5.29E+02	1.36E+03	2.35E+03	pCi/L	U
1142	597936005	10/24/2022	Thorium-232	-2.34E+03	1.48E+03	4.50E+03	pCi/L	U
1142	601450004	11/21/2022	Thorium-232	3.37E+03	1.54E+03	5.31E+03	pCi/L	U
1142	604619005	12/19/2022	Thorium-232	-6.54E+02	1.30E+03	4.21E+03	pCi/L	U
1142	567643007	1/18/2022	Thorium-234	2.49E+02	1.41E+02	2.58E+02	pCi/L	U
1142	570264007	2/14/2022	Thorium-234	5.46E+01	3.25E+01	5.66E+01	pCi/L	U
1142	573043005	3/14/2022	Thorium-234	2.69E+01	8.62E+01	1.34E+02	pCi/L	U
1142	576091006	4/11/2022	Thorium-234	-4.68E+01	2.75E+01	9.45E+01	pCi/L	U
1142	579261005	5/9/2022	Thorium-234	-1.14E+01	6.57E+01	1.88E+02	pCi/L	U
1142	581945006	6/6/2022	Thorium-234	4.89E+01	4.68E+01	9.09E+01	pCi/L	U
1142	584821005	7/4/2022	Thorium-234	-2.52E+01	5.78E+01	1.91E+02	pCi/L	U
1142	587888005	8/1/2022	Thorium-234	1.88E+02	1.63E+02	3.09E+02	pCi/L	U
1142	590547005	8/29/2022	Thorium-234	-1.42E+02	7.67E+01	2.41E+02	pCi/L	U
1142	594423004	9/26/2022	Thorium-234	3.72E+01	9.52E+01	1.70E+02	pCi/L	U
1142	597936005	10/24/2022	Thorium-234	-1.46E+02	1.07E+02	3.31E+02	pCi/L	U
1142	601450004	11/21/2022	Thorium-234	1.95E+02	1.10E+02	3.73E+02	pCi/L	U
1142	604619005	12/19/2022	Thorium-234	-3.70E+01	9.60E+01	3.13E+02	pCi/L	U
1142	576887005	3/14/2022	Tritium	-3.50E+02	2.20E+02	7.54E+02	pCi/L	U
1142	585634006	6/6/2022	Tritium	7.65E+01	2.06E+02	6.66E+02	pCi/L	U
1142	600026004	9/26/2022	Tritium	-7.31E+01	2.04E+02	6.80E+02	pCi/L	U
1142	609577005	12/19/2022	Tritium	6.19E+01	2.28E+02	7.44E+02	pCi/L	U
1142	567643007	1/18/2022	Uranium-234	-3.19E+02	4.06E+03	1.26E+04	pCi/L	U
1142	570264007	2/14/2022	Uranium-234	4.28E+03	1.25E+03	2.33E+03	pCi/L	UI
1142	573043005	3/14/2022	Uranium-234	8.69E+02	1.70E+03	5.82E+03	pCi/L	U
1142	576091006	4/11/2022	Uranium-234	9.54E+01	5.93E+02	1.74E+03	pCi/L	U
1142	579261005	5/9/2022	Uranium-234	2.56E+03	2.73E+03	9.74E+03	pCi/L	U
1142	581945006	6/6/2022	Uranium-234	8.13E+02	8.62E+02	2.86E+03	pCi/L	U
1142	584821005	7/4/2022	Uranium-234	6.13E+03	3.58E+03	7.67E+03	pCi/L	U
1142	587888005	8/1/2022	Uranium-234	3.48E+03	6.93E+03	2.26E+04	pCi/L	U
1142	590547005	8/29/2022	Uranium-234	-2.84E+03	3.72E+03	1.20E+04	pCi/L	U
1142	594423004	9/26/2022	Uranium-234	7.02E+03	3.28E+03	1.23E+04	pCi/L	U
1142	597936005	10/24/2022	Uranium-234	-4.19E+03	7.25E+03	2.17E+04	pCi/L	U
1142	601450004	11/21/2022	Uranium-234	-4.97E+03	5.35E+03	1.71E+04	pCi/L	U
1142	604619005	12/19/2022	Uranium-234	9.00E+03	6.92E+03	1.33E+04	pCi/L	U
1142	567643007	1/18/2022	Zinc-65	2.05E+00	1.93E+00	6.85E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	570264007	2/14/2022	Zinc-65	-1.91E-02	1.05E+00	3.37E+00	pCi/L	U
1142	573043005	3/14/2022	Zinc-65	3.73E+00	2.03E+00	7.71E+00	pCi/L	U
1142	576091006	4/11/2022	Zinc-65	-2.59E+00	2.52E+00	6.96E+00	pCi/L	U
1142	579261005	5/9/2022	Zinc-65	2.48E+00	2.01E+00	7.16E+00	pCi/L	U
1142	581945006	6/6/2022	Zinc-65	6.19E+00	3.90E+00	1.48E+01	pCi/L	U
1142	584821005	7/4/2022	Zinc-65	-1.73E+00	2.13E+00	5.60E+00	pCi/L	U
1142	587888005	8/1/2022	Zinc-65	1.29E+00	3.16E+00	1.06E+01	pCi/L	U
1142	590547005	8/29/2022	Zinc-65	4.43E+00	2.43E+00	9.31E+00	pCi/L	U
1142	594423004	9/26/2022	Zinc-65	-3.51E+00	2.41E+00	6.49E+00	pCi/L	U
1142	597936005	10/24/2022	Zinc-65	-1.78E+00	2.43E+00	7.00E+00	pCi/L	U
1142	601450004	11/21/2022	Zinc-65	4.40E+00	3.46E+00	8.00E+00	pCi/L	U
1142	604619005	12/19/2022	Zinc-65	1.63E+00	2.50E+00	8.02E+00	pCi/L	U
1142	567643007	1/18/2022	Zirconium-95	1.65E+00	1.61E+00	5.75E+00	pCi/L	U
1142	570264007	2/14/2022	Zirconium-95	6.24E-01	8.90E-01	3.01E+00	pCi/L	U
1142	573043005	3/14/2022	Zirconium-95	1.27E+00	1.80E+00	6.25E+00	pCi/L	U
1142	576091006	4/11/2022	Zirconium-95	1.53E+00	1.90E+00	6.42E+00	pCi/L	U
1142	579261005	5/9/2022	Zirconium-95	2.30E+00	1.51E+00	5.40E+00	pCi/L	U
1142	581945006	6/6/2022	Zirconium-95	-3.47E+00	2.89E+00	8.79E+00	pCi/L	U
1142	584821005	7/4/2022	Zirconium-95	1.71E+00	1.86E+00	6.79E+00	pCi/L	U
1142	587888005	8/1/2022	Zirconium-95	3.65E+00	3.53E+00	7.69E+00	pCi/L	U
1142	590547005	8/29/2022	Zirconium-95	-2.43E+00	1.90E+00	4.90E+00	pCi/L	U
1142	594423004	9/26/2022	Zirconium-95	-1.84E+00	1.93E+00	6.02E+00	pCi/L	U
1142	597936005	10/24/2022	Zirconium-95	-5.04E+00	2.64E+00	5.67E+00	pCi/L	U
1142	601450004	11/21/2022	Zirconium-95	1.88E+00	2.31E+00	8.27E+00	pCi/L	U
1142	604619005	12/19/2022	Zirconium-95	7.30E-01	2.34E+00	8.08E+00	pCi/L	U
1143	567643001	1/18/2022	Actinium-228	3.60E+00	4.00E+00	1.30E+01	pCi/L	U
1143	570264001	2/14/2022	Actinium-228	3.37E+00	5.21E+00	4.93E+00	pCi/L	U
1143	573043001	3/14/2022	Actinium-228	5.69E+00	4.49E+00	1.59E+01	pCi/L	U
1143	576091001	4/11/2022	Actinium-228	1.03E+00	3.79E+00	9.59E+00	pCi/L	U
1143	579261010	5/9/2022	Actinium-228	-2.26E+00	3.53E+00	7.84E+00	pCi/L	U
1143	581945001	6/6/2022	Actinium-228	1.02E+00	7.36E+00	1.89E+01	pCi/L	U
1143	584821001	7/4/2022	Actinium-228	3.70E+00	1.05E+01	3.42E+01	pCi/L	U
1143	587888001	8/1/2022	Actinium-228	8.31E+00	7.09E+00	1.93E+01	pCi/L	U
1143	590547001	8/29/2022	Actinium-228	-6.90E+00	5.75E+00	1.99E+01	pCi/L	U
1143	594423008	9/26/2022	Actinium-228	-1.76E+00	5.19E+00	1.77E+01	pCi/L	U
1143	597936001	10/24/2022	Actinium-228	-8.73E+00	5.64E+00	1.82E+01	pCi/L	U
1143	601450001	11/21/2022	Actinium-228	1.02E+01	8.01E+00	2.41E+01	pCi/L	U
1143	604619001	12/19/2022	Actinium-228	-4.17E+00	6.31E+00	2.08E+01	pCi/L	U
1143	567643001	1/18/2022	Americium-241	-4.97E-01	1.47E+00	4.47E+00	pCi/L	U
1143	570264001	2/14/2022	Americium-241	6.59E-01	3.27E+00	1.04E+01	pCi/L	U
1143	573043001	3/14/2022	Americium-241	-2.54E+00	4.78E+00	1.46E+01	pCi/L	U
1143	576091001	4/11/2022	Americium-241	-1.36E+01	6.24E+00	1.93E+01	pCi/L	U
1143	579261010	5/9/2022	Americium-241	-4.43E-01	4.31E+00	1.33E+01	pCi/L	U
1143	581945001	6/6/2022	Americium-241	2.74E+01	1.22E+01	3.99E+01	pCi/L	U
1143	584821001	7/4/2022	Americium-241	-1.26E+01	8.44E+00	2.69E+01	pCi/L	U
1143	587888001	8/1/2022	Americium-241	8.06E+00	8.17E+00	2.81E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	590547001	8/29/2022	Americium-241	1.58E+01	1.03E+01	3.32E+01	pCi/L	U
1143	594423008	9/26/2022	Americium-241	2.28E+00	2.99E+00	1.00E+01	pCi/L	U
1143	597936001	10/24/2022	Americium-241	-8.29E+00	1.20E+01	3.32E+01	pCi/L	U
1143	601450001	11/21/2022	Americium-241	1.72E+00	2.10E+00	7.21E+00	pCi/L	U
1143	604619001	12/19/2022	Americium-241	4.65E+00	1.26E+01	3.71E+01	pCi/L	U
1143	567643001	1/18/2022	Antimony-124	-2.30E+00	2.63E+00	6.69E+00	pCi/L	U
1143	570264001	2/14/2022	Antimony-124	2.01E+00	1.61E+00	3.57E+00	pCi/L	U
1143	573043001	3/14/2022	Antimony-124	-3.68E+00	3.31E+00	9.44E+00	pCi/L	U
1143	576091001	4/11/2022	Antimony-124	4.65E+00	2.13E+00	5.13E+00	pCi/L	U
1143	579261010	5/9/2022	Antimony-124	-2.39E-01	1.68E+00	4.65E+00	pCi/L	U
1143	581945001	6/6/2022	Antimony-124	-5.12E+00	3.03E+00	6.53E+00	pCi/L	U
1143	584821001	7/4/2022	Antimony-124	4.51E+00	3.70E+00	1.52E+01	pCi/L	U
1143	587888001	8/1/2022	Antimony-124	-3.67E+00	3.43E+00	9.20E+00	pCi/L	U
1143	590547001	8/29/2022	Antimony-124	2.82E+00	3.24E+00	1.20E+01	pCi/L	U
1143	594423008	9/26/2022	Antimony-124	1.46E+00	3.02E+00	1.07E+01	pCi/L	U
1143	597936001	10/24/2022	Antimony-124	5.97E+00	3.41E+00	1.37E+01	pCi/L	U
1143	601450001	11/21/2022	Antimony-124	5.51E+00	4.06E+00	1.65E+01	pCi/L	U
1143	604619001	12/19/2022	Antimony-124	-3.37E+00	3.19E+00	8.36E+00	pCi/L	U
1143	567643001	1/18/2022	Antimony-125	-3.18E+00	2.22E+00	5.99E+00	pCi/L	U
1143	570264001	2/14/2022	Antimony-125	-3.44E-01	1.21E+00	4.09E+00	pCi/L	U
1143	573043001	3/14/2022	Antimony-125	-9.22E+00	3.66E+00	8.63E+00	pCi/L	U
1143	576091001	4/11/2022	Antimony-125	9.31E-01	1.82E+00	6.23E+00	pCi/L	U
1143	579261010	5/9/2022	Antimony-125	2.61E+00	1.52E+00	5.49E+00	pCi/L	U
1143	581945001	6/6/2022	Antimony-125	-1.47E+00	3.55E+00	1.13E+01	pCi/L	U
1143	584821001	7/4/2022	Antimony-125	4.99E+00	4.71E+00	1.72E+01	pCi/L	U
1143	587888001	8/1/2022	Antimony-125	-2.46E+00	2.72E+00	8.38E+00	pCi/L	U
1143	590547001	8/29/2022	Antimony-125	1.15E+00	3.64E+00	1.22E+01	pCi/L	U
1143	594423008	9/26/2022	Antimony-125	1.14E+01	4.05E+00	9.11E+00	pCi/L	U
1143	597936001	10/24/2022	Antimony-125	-1.81E+00	3.43E+00	1.08E+01	pCi/L	U
1143	601450001	11/21/2022	Antimony-125	4.89E+00	4.35E+00	1.57E+01	pCi/L	U
1143	604619001	12/19/2022	Antimony-125	-2.31E-01	3.30E+00	1.07E+01	pCi/L	U
1143	567643001	1/18/2022	Barium-140	-1.20E+01	5.33E+00	1.35E+01	pCi/L	U
1143	570264001	2/14/2022	Barium-140	2.54E+00	2.31E+00	8.08E+00	pCi/L	U
1143	573043001	3/14/2022	Barium-140	-2.23E+00	5.90E+00	1.93E+01	pCi/L	U
1143	576091001	4/11/2022	Barium-140	1.61E+00	3.82E+00	1.29E+01	pCi/L	U
1143	579261010	5/9/2022	Barium-140	-4.65E-01	3.41E+00	1.12E+01	pCi/L	U
1143	581945001	6/6/2022	Barium-140	-1.47E+00	5.42E+00	1.72E+01	pCi/L	U
1143	584821001	7/4/2022	Barium-140	5.08E+00	8.58E+00	3.05E+01	pCi/L	U
1143	587888001	8/1/2022	Barium-140	-3.49E+00	7.16E+00	1.97E+01	pCi/L	U
1143	590547001	8/29/2022	Barium-140	1.12E+00	5.34E+00	1.77E+01	pCi/L	U
1143	594423008	9/26/2022	Barium-140	2.41E+00	3.64E+00	1.31E+01	pCi/L	U
1143	597936001	10/24/2022	Barium-140	-3.59E+00	5.14E+00	1.56E+01	pCi/L	U
1143	601450001	11/21/2022	Barium-140	-9.36E+00	7.92E+00	2.26E+01	pCi/L	U
1143	604619001	12/19/2022	Barium-140	-8.00E+00	6.70E+00	1.88E+01	pCi/L	U
1143	567643001	1/18/2022	Beryllium-7	8.23E+00	1.06E+01	2.23E+01	pCi/L	U
1143	570264001	2/14/2022	Beryllium-7	-3.96E+00	3.80E+00	1.23E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	573043001	3/14/2022	Beryllium-7	2.18E+00	9.48E+00	3.26E+01	pCi/L	U
1143	576091001	4/11/2022	Beryllium-7	-5.68E+00	5.85E+00	1.80E+01	pCi/L	U
1143	579261010	5/9/2022	Beryllium-7	-6.97E+00	5.59E+00	1.75E+01	pCi/L	U
1143	581945001	6/6/2022	Beryllium-7	1.13E+01	1.20E+01	4.18E+01	pCi/L	U
1143	584821001	7/4/2022	Beryllium-7	-3.63E+00	1.51E+01	5.00E+01	pCi/L	U
1143	587888001	8/1/2022	Beryllium-7	2.90E+01	1.67E+01	3.16E+01	pCi/L	U
1143	590547001	8/29/2022	Beryllium-7	1.72E+01	1.12E+01	4.08E+01	pCi/L	U
1143	594423008	9/26/2022	Beryllium-7	2.97E+00	8.04E+00	2.72E+01	pCi/L	U
1143	597936001	10/24/2022	Beryllium-7	1.07E+01	1.02E+01	3.62E+01	pCi/L	U
1143	601450001	11/21/2022	Beryllium-7	1.16E+01	1.40E+01	4.95E+01	pCi/L	U
1143	604619001	12/19/2022	Beryllium-7	3.69E+01	2.27E+01	4.02E+01	pCi/L	U
1143	567643001	1/18/2022	BETA	2.81E+00	1.13E+00	3.12E+00	pCi/L	U
1143	570264001	2/14/2022	BETA	1.31E+00	1.12E+00	3.46E+00	pCi/L	U
1143	573043001	3/14/2022	BETA	4.82E-01	1.04E+00	3.31E+00	pCi/L	U
1143	576091001	4/11/2022	BETA	2.39E+00	1.06E+00	3.03E+00	pCi/L	U
1143	579261010	5/9/2022	BETA	1.24E+00	1.02E+00	3.12E+00	pCi/L	U
1143	581945001	6/6/2022	BETA	2.52E+00	1.24E+00	3.63E+00	pCi/L	U
1143	584821001	7/4/2022	BETA	3.15E-01	8.43E-01	2.70E+00	pCi/L	U
1143	587888001	8/1/2022	BETA	2.22E+00	1.03E+00	2.92E+00	pCi/L	U
1143	590547001	8/29/2022	BETA	6.57E-01	9.56E-01	3.05E+00	pCi/L	U
1143	594423008	9/26/2022	BETA	5.48E-01	1.04E+00	3.30E+00	pCi/L	U
1143	597936001	10/24/2022	BETA	3.22E+00	1.18E+00	3.31E+00	pCi/L	U
1143	601450001	11/21/2022	BETA	2.64E+00	1.16E+00	3.30E+00	pCi/L	U
1143	604619001	12/19/2022	BETA	1.34E+00	1.78E+00	2.65E+00	pCi/L	U
1143	567643001	1/18/2022	Bismuth-214	6.49E+00	2.99E+00	8.00E+00	pCi/L	U
1143	570264001	2/14/2022	Bismuth-214	1.83E+00	2.16E+00	2.79E+00	pCi/L	U
1143	573043001	3/14/2022	Bismuth-214	-3.36E+00	2.93E+00	9.38E+00	pCi/L	U
1143	576091001	4/11/2022	Bismuth-214	3.66E+00	1.80E+00	5.98E+00	pCi/L	U
1143	579261010	5/9/2022	Bismuth-214	3.22E+01	3.93E+00	4.25E+00	pCi/L	U
1143	581945001	6/6/2022	Bismuth-214	3.41E+00	4.88E+00	9.09E+00	pCi/L	U
1143	584821001	7/4/2022	Bismuth-214	6.84E+00	7.25E+00	1.87E+01	pCi/L	U
1143	587888001	8/1/2022	Bismuth-214	9.75E-01	4.20E+00	7.48E+00	pCi/L	U
1143	590547001	8/29/2022	Bismuth-214	2.52E+00	3.49E+00	1.19E+01	pCi/L	U
1143	594423008	9/26/2022	Bismuth-214	7.55E-01	4.16E+00	9.23E+00	pCi/L	U
1143	597936001	10/24/2022	Bismuth-214	4.78E+00	4.43E+00	9.77E+00	pCi/L	U
1143	601450001	11/21/2022	Bismuth-214	-7.96E+00	3.56E+00	9.83E+00	pCi/L	U
1143	604619001	12/19/2022	Bismuth-214	3.33E+00	5.85E+00	8.41E+00	pCi/L	U
1143	567643001	1/18/2022	Cerium-141	-1.03E+00	1.26E+00	3.93E+00	pCi/L	U
1143	570264001	2/14/2022	Cerium-141	-2.62E+00	1.27E+00	2.63E+00	pCi/L	U
1143	573043001	3/14/2022	Cerium-141	-3.49E+00	2.49E+00	6.81E+00	pCi/L	U
1143	576091001	4/11/2022	Cerium-141	-1.22E+00	1.56E+00	4.46E+00	pCi/L	U
1143	579261010	5/9/2022	Cerium-141	-2.59E+00	1.66E+00	3.83E+00	pCi/L	U
1143	581945001	6/6/2022	Cerium-141	-4.84E-01	2.39E+00	7.27E+00	pCi/L	U
1143	584821001	7/4/2022	Cerium-141	1.38E+01	6.21E+00	9.43E+00	pCi/L	UI
1143	587888001	8/1/2022	Cerium-141	2.00E-01	2.22E+00	6.59E+00	pCi/L	U
1143	590547001	8/29/2022	Cerium-141	4.31E-01	2.57E+00	8.30E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	594423008	9/26/2022	Cerium-141	-7.84E-02	2.03E+00	6.19E+00	pCi/L	U
1143	597936001	10/24/2022	Cerium-141	1.09E+00	2.28E+00	7.91E+00	pCi/L	U
1143	601450001	11/21/2022	Cerium-141	4.45E-01	1.99E+00	6.69E+00	pCi/L	U
1143	604619001	12/19/2022	Cerium-141	3.05E+00	2.63E+00	9.31E+00	pCi/L	U
1143	567643001	1/18/2022	Cerium-144	-3.23E+00	4.48E+00	1.40E+01	pCi/L	U
1143	570264001	2/14/2022	Cerium-144	6.48E-01	3.16E+00	1.04E+01	pCi/L	U
1143	573043001	3/14/2022	Cerium-144	1.38E+01	7.25E+00	2.60E+01	pCi/L	U
1143	576091001	4/11/2022	Cerium-144	1.50E+00	4.93E+00	1.62E+01	pCi/L	U
1143	579261010	5/9/2022	Cerium-144	3.32E+00	4.34E+00	1.44E+01	pCi/L	U
1143	581945001	6/6/2022	Cerium-144	7.80E-01	8.86E+00	3.05E+01	pCi/L	U
1143	584821001	7/4/2022	Cerium-144	-7.82E+00	1.06E+01	3.39E+01	pCi/L	U
1143	587888001	8/1/2022	Cerium-144	-1.25E+00	6.69E+00	2.13E+01	pCi/L	U
1143	590547001	8/29/2022	Cerium-144	7.31E+00	8.84E+00	3.12E+01	pCi/L	U
1143	594423008	9/26/2022	Cerium-144	-4.97E+00	6.73E+00	2.18E+01	pCi/L	U
1143	597936001	10/24/2022	Cerium-144	-2.81E+00	9.35E+00	3.17E+01	pCi/L	U
1143	601450001	11/21/2022	Cerium-144	-1.24E+00	6.80E+00	2.25E+01	pCi/L	U
1143	604619001	12/19/2022	Cerium-144	7.07E+00	9.54E+00	3.34E+01	pCi/L	U
1143	567643001	1/18/2022	Cesium-134	5.58E-01	8.49E-01	2.61E+00	pCi/L	U
1143	570264001	2/14/2022	Cesium-134	-6.25E-01	4.77E-01	1.44E+00	pCi/L	U
1143	573043001	3/14/2022	Cesium-134	4.04E+00	3.09E+00	4.64E+00	pCi/L	U
1143	576091001	4/11/2022	Cesium-134	-1.06E+00	6.58E-01	1.92E+00	pCi/L	U
1143	579261010	5/9/2022	Cesium-134	1.16E+00	6.20E-01	2.24E+00	pCi/L	U
1143	581945001	6/6/2022	Cesium-134	2.57E+00	1.39E+00	5.29E+00	pCi/L	U
1143	584821001	7/4/2022	Cesium-134	7.40E-01	2.18E+00	6.71E+00	pCi/L	U
1143	587888001	8/1/2022	Cesium-134	1.76E+00	1.51E+00	2.64E+00	pCi/L	U
1143	590547001	8/29/2022	Cesium-134	-7.60E-01	1.39E+00	4.15E+00	pCi/L	U
1143	594423008	9/26/2022	Cesium-134	2.00E+00	1.00E+00	3.97E+00	pCi/L	U
1143	597936001	10/24/2022	Cesium-134	1.27E+00	1.52E+00	5.27E+00	pCi/L	U
1143	601450001	11/21/2022	Cesium-134	1.25E+00	1.72E+00	5.96E+00	pCi/L	U
1143	604619001	12/19/2022	Cesium-134	-2.42E-01	1.17E+00	3.58E+00	pCi/L	U
1143	567643001	1/18/2022	Cesium-137	2.96E-01	7.41E-01	2.48E+00	pCi/L	U
1143	570264001	2/14/2022	Cesium-137	-1.56E-01	4.40E-01	1.43E+00	pCi/L	U
1143	573043001	3/14/2022	Cesium-137	2.94E-01	1.12E+00	3.68E+00	pCi/L	U
1143	576091001	4/11/2022	Cesium-137	-1.38E-01	7.37E-01	2.33E+00	pCi/L	U
1143	579261010	5/9/2022	Cesium-137	-1.56E+00	1.04E+00	2.71E+00	pCi/L	U
1143	581945001	6/6/2022	Cesium-137	-3.13E+00	2.38E+00	8.66E+00	pCi/L	U
1143	584821001	7/4/2022	Cesium-137	-3.23E-01	2.23E+00	7.45E+00	pCi/L	U
1143	587888001	8/1/2022	Cesium-137	1.59E+00	1.13E+00	4.16E+00	pCi/L	U
1143	590547001	8/29/2022	Cesium-137	-1.52E+00	1.96E+00	6.96E+00	pCi/L	U
1143	594423008	9/26/2022	Cesium-137	-8.98E-01	9.29E-01	2.82E+00	pCi/L	U
1143	597936001	10/24/2022	Cesium-137	5.15E+00	2.95E+00	4.31E+00	pCi/L	UI
1143	601450001	11/21/2022	Cesium-137	-8.20E-01	1.62E+00	4.91E+00	pCi/L	U
1143	604619001	12/19/2022	Cesium-137	-1.65E+00	1.87E+00	6.17E+00	pCi/L	U
1143	567643001	1/18/2022	Chromium-51	6.42E+00	6.59E+00	2.33E+01	pCi/L	U
1143	570264001	2/14/2022	Chromium-51	-4.02E+00	8.54E+00	1.35E+01	pCi/L	U
1143	573043001	3/14/2022	Chromium-51	6.95E+00	1.25E+01	4.16E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	576091001	4/11/2022	Chromium-51	8.52E+00	6.85E+00	2.46E+01	pCi/L	U
1143	579261010	5/9/2022	Chromium-51	-2.08E+00	6.35E+00	1.92E+01	pCi/L	U
1143	581945001	6/6/2022	Chromium-51	-2.37E+00	1.18E+01	3.88E+01	pCi/L	U
1143	584821001	7/4/2022	Chromium-51	1.66E+01	1.75E+01	5.54E+01	pCi/L	U
1143	587888001	8/1/2022	Chromium-51	-2.01E+01	1.16E+01	3.52E+01	pCi/L	U
1143	590547001	8/29/2022	Chromium-51	-1.18E+01	1.22E+01	3.39E+01	pCi/L	U
1143	594423008	9/26/2022	Chromium-51	2.14E+00	9.10E+00	2.94E+01	pCi/L	U
1143	597936001	10/24/2022	Chromium-51	3.50E-01	1.24E+01	3.78E+01	pCi/L	U
1143	601450001	11/21/2022	Chromium-51	1.12E+01	1.54E+01	5.04E+01	pCi/L	U
1143	604619001	12/19/2022	Chromium-51	1.61E+01	1.35E+01	4.77E+01	pCi/L	U
1143	567643001	1/18/2022	Cobalt-57	6.02E-01	5.49E-01	1.84E+00	pCi/L	U
1143	570264001	2/14/2022	Cobalt-57	-4.53E-01	3.89E-01	1.25E+00	pCi/L	U
1143	573043001	3/14/2022	Cobalt-57	-5.08E-01	8.89E-01	2.93E+00	pCi/L	U
1143	576091001	4/11/2022	Cobalt-57	-1.50E-01	6.22E-01	2.02E+00	pCi/L	U
1143	579261010	5/9/2022	Cobalt-57	2.91E-01	5.59E-01	1.85E+00	pCi/L	U
1143	581945001	6/6/2022	Cobalt-57	2.42E+00	1.19E+00	4.36E+00	pCi/L	U
1143	584821001	7/4/2022	Cobalt-57	5.23E-01	1.39E+00	4.50E+00	pCi/L	U
1143	587888001	8/1/2022	Cobalt-57	4.00E-02	9.13E-01	2.95E+00	pCi/L	U
1143	590547001	8/29/2022	Cobalt-57	-1.07E+00	1.27E+00	4.04E+00	pCi/L	U
1143	594423008	9/26/2022	Cobalt-57	4.93E-01	9.15E-01	3.14E+00	pCi/L	U
1143	597936001	10/24/2022	Cobalt-57	-1.42E+00	1.13E+00	3.68E+00	pCi/L	U
1143	601450001	11/21/2022	Cobalt-57	-8.50E-01	8.97E-01	2.88E+00	pCi/L	U
1143	604619001	12/19/2022	Cobalt-57	1.31E-01	1.30E+00	4.45E+00	pCi/L	U
1143	567643001	1/18/2022	Cobalt-58	7.87E-01	8.13E-01	2.80E+00	pCi/L	U
1143	570264001	2/14/2022	Cobalt-58	3.15E-01	4.26E-01	1.45E+00	pCi/L	U
1143	573043001	3/14/2022	Cobalt-58	-6.26E-01	1.13E+00	3.53E+00	pCi/L	U
1143	576091001	4/11/2022	Cobalt-58	8.24E-01	6.52E-01	2.42E+00	pCi/L	U
1143	579261010	5/9/2022	Cobalt-58	-2.47E-01	6.99E-01	2.19E+00	pCi/L	U
1143	581945001	6/6/2022	Cobalt-58	6.33E-01	1.53E+00	5.05E+00	pCi/L	U
1143	584821001	7/4/2022	Cobalt-58	-1.90E-01	1.73E+00	4.88E+00	pCi/L	U
1143	587888001	8/1/2022	Cobalt-58	-5.36E-01	1.32E+00	4.01E+00	pCi/L	U
1143	590547001	8/29/2022	Cobalt-58	1.17E+00	1.33E+00	4.62E+00	pCi/L	U
1143	594423008	9/26/2022	Cobalt-58	2.09E-01	8.50E-01	2.89E+00	pCi/L	U
1143	597936001	10/24/2022	Cobalt-58	-9.19E-01	1.11E+00	3.11E+00	pCi/L	U
1143	601450001	11/21/2022	Cobalt-58	2.00E+00	1.57E+00	6.02E+00	pCi/L	U
1143	604619001	12/19/2022	Cobalt-58	-4.27E-01	1.33E+00	4.04E+00	pCi/L	U
1143	567643001	1/18/2022	Cobalt-60	1.29E+00	8.43E-01	3.16E+00	pCi/L	U
1143	570264001	2/14/2022	Cobalt-60	-1.80E-01	4.81E-01	1.38E+00	pCi/L	U
1143	573043001	3/14/2022	Cobalt-60	-5.36E-01	1.29E+00	4.14E+00	pCi/L	U
1143	576091001	4/11/2022	Cobalt-60	-1.38E+00	9.70E-01	2.72E+00	pCi/L	U
1143	579261010	5/9/2022	Cobalt-60	4.26E-01	7.07E-01	2.44E+00	pCi/L	U
1143	581945001	6/6/2022	Cobalt-60	-9.91E-01	1.52E+00	4.65E+00	pCi/L	U
1143	584821001	7/4/2022	Cobalt-60	-1.12E+00	1.16E+00	2.81E+00	pCi/L	U
1143	587888001	8/1/2022	Cobalt-60	1.94E+00	1.12E+00	4.54E+00	pCi/L	U
1143	590547001	8/29/2022	Cobalt-60	1.43E+00	1.26E+00	4.81E+00	pCi/L	U
1143	594423008	9/26/2022	Cobalt-60	6.23E-01	1.06E+00	3.65E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	597936001	10/24/2022	Cobalt-60	1.23E-01	1.63E+00	5.47E+00	pCi/L	U
1143	601450001	11/21/2022	Cobalt-60	2.47E+00	1.94E+00	7.35E+00	pCi/L	U
1143	604619001	12/19/2022	Cobalt-60	-5.61E-02	1.03E+00	3.37E+00	pCi/L	U
1143	567643001	1/18/2022	Iodine-131	3.98E-01	1.31E+00	4.47E+00	pCi/L	U
1143	570264001	2/14/2022	Iodine-131	7.37E-01	8.57E-01	3.02E+00	pCi/L	U
1143	573043001	3/14/2022	Iodine-131	3.67E+00	3.10E+00	1.06E+01	pCi/L	U
1143	576091001	4/11/2022	Iodine-131	-2.95E+00	1.89E+00	4.98E+00	pCi/L	U
1143	579261010	5/9/2022	Iodine-131	1.81E-01	1.25E+00	4.25E+00	pCi/L	U
1143	581945001	6/6/2022	Iodine-131	-1.25E+00	1.94E+00	6.14E+00	pCi/L	U
1143	584821001	7/4/2022	Iodine-131	2.05E-01	3.51E+00	1.10E+01	pCi/L	U
1143	587888001	8/1/2022	Iodine-131	2.54E-01	2.55E+00	8.65E+00	pCi/L	U
1143	590547001	8/29/2022	Iodine-131	-2.68E+00	2.20E+00	5.85E+00	pCi/L	U
1143	594423008	9/26/2022	Iodine-131	1.64E-01	1.20E+00	3.82E+00	pCi/L	U
1143	597936001	10/24/2022	Iodine-131	-1.23E+00	1.85E+00	5.84E+00	pCi/L	U
1143	601450001	11/21/2022	Iodine-131	1.72E+00	2.82E+00	1.01E+01	pCi/L	U
1143	604619001	12/19/2022	Iodine-131	-2.48E+00	3.17E+00	9.92E+00	pCi/L	U
1143	567643001	1/18/2022	Iron-59	-9.03E-01	1.75E+00	4.88E+00	pCi/L	U
1143	570264001	2/14/2022	Iron-59	-1.68E-01	1.03E+00	3.24E+00	pCi/L	U
1143	573043001	3/14/2022	Iron-59	-6.19E-01	2.31E+00	7.17E+00	pCi/L	U
1143	576091001	4/11/2022	Iron-59	3.12E-02	1.55E+00	5.13E+00	pCi/L	U
1143	579261010	5/9/2022	Iron-59	-6.62E-01	1.41E+00	4.62E+00	pCi/L	U
1143	581945001	6/6/2022	Iron-59	-1.82E+00	2.21E+00	6.60E+00	pCi/L	U
1143	584821001	7/4/2022	Iron-59	7.01E+00	4.49E+00	1.75E+01	pCi/L	U
1143	587888001	8/1/2022	Iron-59	-4.15E-01	2.32E+00	7.60E+00	pCi/L	U
1143	590547001	8/29/2022	Iron-59	1.72E+00	2.34E+00	8.51E+00	pCi/L	U
1143	594423008	9/26/2022	Iron-59	2.54E+00	1.95E+00	7.25E+00	pCi/L	U
1143	597936001	10/24/2022	Iron-59	-2.02E+00	2.12E+00	6.20E+00	pCi/L	U
1143	601450001	11/21/2022	Iron-59	1.29E+01	4.70E+00	1.60E+01	pCi/L	U
1143	604619001	12/19/2022	Iron-59	-8.82E-02	2.16E+00	7.18E+00	pCi/L	U
1143	567643001	1/18/2022	Lanthanum-140	1.90E-01	1.41E+00	4.68E+00	pCi/L	U
1143	570264001	2/14/2022	Lanthanum-140	-7.86E-01	8.46E-01	2.62E+00	pCi/L	U
1143	573043001	3/14/2022	Lanthanum-140	-2.40E+00	3.14E+00	7.90E+00	pCi/L	U
1143	576091001	4/11/2022	Lanthanum-140	-1.29E+00	1.47E+00	4.49E+00	pCi/L	U
1143	579261010	5/9/2022	Lanthanum-140	-1.53E+00	1.40E+00	3.43E+00	pCi/L	U
1143	581945001	6/6/2022	Lanthanum-140	-2.43E+00	1.91E+00	4.84E+00	pCi/L	U
1143	584821001	7/4/2022	Lanthanum-140	-3.32E+00	3.34E+00	8.71E+00	pCi/L	U
1143	587888001	8/1/2022	Lanthanum-140	4.07E-01	2.19E+00	7.35E+00	pCi/L	U
1143	590547001	8/29/2022	Lanthanum-140	-5.55E-01	2.03E+00	6.42E+00	pCi/L	U
1143	594423008	9/26/2022	Lanthanum-140	-1.22E+00	1.47E+00	4.42E+00	pCi/L	U
1143	597936001	10/24/2022	Lanthanum-140	2.84E+00	2.04E+00	7.92E+00	pCi/L	U
1143	601450001	11/21/2022	Lanthanum-140	4.64E+00	3.63E+00	1.42E+01	pCi/L	U
1143	604619001	12/19/2022	Lanthanum-140	-4.85E+00	2.97E+00	7.29E+00	pCi/L	U
1143	567643001	1/18/2022	Lead-210	1.44E+00	2.01E+01	6.99E+01	pCi/L	U
1143	570264001	2/14/2022	Lead-210	1.01E+02	2.44E+02	3.32E+02	pCi/L	U
1143	573043001	3/14/2022	Lead-210	-1.43E+02	9.01E+01	2.59E+02	pCi/L	U
1143	576091001	4/11/2022	Lead-210	-6.40E+02	3.22E+02	8.07E+02	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	579261010	5/9/2022	Lead-210	2.44E+02	2.75E+02	3.40E+02	pCi/L	U
1143	581945001	6/6/2022	Lead-210	-5.19E+02	3.96E+02	1.16E+03	pCi/L	U
1143	584821001	7/4/2022	Lead-210	5.97E+02	3.44E+02	8.51E+02	pCi/L	U
1143	587888001	8/1/2022	Lead-210	-2.36E+01	1.78E+02	5.61E+02	pCi/L	U
1143	590547001	8/29/2022	Lead-210	-4.52E+02	3.99E+02	1.05E+03	pCi/L	U
1143	594423008	9/26/2022	Lead-210	4.42E-01	3.91E+01	1.24E+02	pCi/L	U
1143	597936001	10/24/2022	Lead-210	-7.06E+02	3.93E+02	1.20E+03	pCi/L	U
1143	601450001	11/21/2022	Lead-210	6.51E+00	5.14E+01	6.49E+01	pCi/L	U
1143	604619001	12/19/2022	Lead-210	4.29E+02	4.77E+02	1.04E+03	pCi/L	U
1143	567643001	1/18/2022	Lead-212	4.20E-01	2.71E+00	5.47E+00	pCi/L	U
1143	570264001	2/14/2022	Lead-212	2.74E+00	1.86E+00	2.77E+00	pCi/L	U
1143	573043001	3/14/2022	Lead-212	-4.17E+00	2.44E+00	7.27E+00	pCi/L	U
1143	576091001	4/11/2022	Lead-212	2.45E+00	2.75E+00	5.37E+00	pCi/L	U
1143	579261010	5/9/2022	Lead-212	2.70E+00	2.38E+00	3.89E+00	pCi/L	U
1143	581945001	6/6/2022	Lead-212	3.41E+00	4.71E+00	7.73E+00	pCi/L	U
1143	584821001	7/4/2022	Lead-212	-1.08E+00	3.72E+00	1.22E+01	pCi/L	U
1143	587888001	8/1/2022	Lead-212	2.98E+00	3.97E+00	7.27E+00	pCi/L	U
1143	590547001	8/29/2022	Lead-212	4.96E+00	5.96E+00	9.77E+00	pCi/L	U
1143	594423008	9/26/2022	Lead-212	-8.17E-01	2.35E+00	8.56E+00	pCi/L	U
1143	597936001	10/24/2022	Lead-212	1.82E+01	6.04E+00	9.99E+00	pCi/L	UI
1143	601450001	11/21/2022	Lead-212	3.36E+00	3.39E+00	9.12E+00	pCi/L	U
1143	604619001	12/19/2022	Lead-212	1.38E-01	4.74E+00	9.99E+00	pCi/L	U
1143	567643001	1/18/2022	Lead-214	8.25E+00	3.84E+00	7.21E+00	pCi/L	UI
1143	570264001	2/14/2022	Lead-214	5.38E-01	1.58E+00	3.64E+00	pCi/L	U
1143	573043001	3/14/2022	Lead-214	-1.87E+00	3.09E+00	9.25E+00	pCi/L	U
1143	576091001	4/11/2022	Lead-214	-2.33E+00	2.08E+00	5.44E+00	pCi/L	U
1143	579261010	5/9/2022	Lead-214	2.55E+01	3.32E+00	8.85E+00	pCi/L	UI
1143	581945001	6/6/2022	Lead-214	5.43E-01	3.76E+00	1.19E+01	pCi/L	U
1143	584821001	7/4/2022	Lead-214	-6.72E+00	5.15E+00	1.46E+01	pCi/L	U
1143	587888001	8/1/2022	Lead-214	-3.56E+00	2.87E+00	7.39E+00	pCi/L	U
1143	590547001	8/29/2022	Lead-214	6.07E-01	3.47E+00	1.11E+01	pCi/L	U
1143	594423008	9/26/2022	Lead-214	-6.96E-01	2.87E+00	8.43E+00	pCi/L	U
1143	597936001	10/24/2022	Lead-214	1.20E+01	5.93E+00	1.31E+01	pCi/L	U
1143	601450001	11/21/2022	Lead-214	5.85E+00	8.34E+00	1.25E+01	pCi/L	U
1143	604619001	12/19/2022	Lead-214	-2.26E+00	3.63E+00	1.15E+01	pCi/L	U
1143	567643001	1/18/2022	Manganese-54	-3.55E-01	8.69E-01	2.70E+00	pCi/L	U
1143	570264001	2/14/2022	Manganese-54	3.35E-01	4.90E-01	1.49E+00	pCi/L	U
1143	573043001	3/14/2022	Manganese-54	-1.24E+00	1.01E+00	2.89E+00	pCi/L	U
1143	576091001	4/11/2022	Manganese-54	-2.39E-01	6.90E-01	2.19E+00	pCi/L	U
1143	579261010	5/9/2022	Manganese-54	2.82E-02	6.16E-01	1.98E+00	pCi/L	U
1143	581945001	6/6/2022	Manganese-54	6.31E-02	1.28E+00	4.08E+00	pCi/L	U
1143	584821001	7/4/2022	Manganese-54	-2.19E+00	1.57E+00	3.95E+00	pCi/L	U
1143	587888001	8/1/2022	Manganese-54	3.43E-01	7.65E-01	2.61E+00	pCi/L	U
1143	590547001	8/29/2022	Manganese-54	1.24E-01	1.21E+00	3.89E+00	pCi/L	U
1143	594423008	9/26/2022	Manganese-54	9.11E-01	9.68E-01	3.49E+00	pCi/L	U
1143	597936001	10/24/2022	Manganese-54	2.03E-01	2.46E+00	2.69E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	601450001	11/21/2022	Manganese-54	-1.66E+00	1.90E+00	5.94E+00	pCi/L	U
1143	604619001	12/19/2022	Manganese-54	1.81E+00	1.16E+00	4.49E+00	pCi/L	U
1143	567643001	1/18/2022	Molybdenum-99	1.56E+01	3.93E+01	1.30E+02	pCi/L	U
1143	570264001	2/14/2022	Molybdenum-99	-2.90E+01	3.06E+01	9.57E+01	pCi/L	U
1143	573043001	3/14/2022	Molybdenum-99	-8.04E+01	1.29E+02	3.99E+02	pCi/L	U
1143	576091001	4/11/2022	Molybdenum-99	7.86E+01	5.79E+01	2.04E+02	pCi/L	U
1143	579261010	5/9/2022	Molybdenum-99	2.03E+01	4.61E+01	1.52E+02	pCi/L	U
1143	581945001	6/6/2022	Molybdenum-99	-2.88E+01	4.01E+01	1.19E+02	pCi/L	U
1143	584821001	7/4/2022	Molybdenum-99	1.92E+02	1.68E+02	6.09E+02	pCi/L	U
1143	587888001	8/1/2022	Molybdenum-99	-9.83E+01	1.25E+02	3.56E+02	pCi/L	U
1143	590547001	8/29/2022	Molybdenum-99	2.80E+01	2.42E+01	8.81E+01	pCi/L	U
1143	594423008	9/26/2022	Molybdenum-99	-1.54E+00	1.56E+01	5.14E+01	pCi/L	U
1143	597936001	10/24/2022	Molybdenum-99	5.00E+00	2.38E+01	7.84E+01	pCi/L	U
1143	601450001	11/21/2022	Molybdenum-99	2.27E+02	1.31E+02	5.19E+02	pCi/L	U
1143	604619001	12/19/2022	Molybdenum-99	-2.07E+02	1.26E+02	3.15E+02	pCi/L	U
1143	567643001	1/18/2022	Niobium-95	7.50E-01	8.22E-01	2.82E+00	pCi/L	U
1143	570264001	2/14/2022	Niobium-95	-2.77E-02	4.72E-01	1.54E+00	pCi/L	U
1143	573043001	3/14/2022	Niobium-95	1.87E+00	1.28E+00	4.64E+00	pCi/L	U
1143	576091001	4/11/2022	Niobium-95	-4.54E-02	8.05E-01	2.73E+00	pCi/L	U
1143	579261010	5/9/2022	Niobium-95	-2.68E-01	1.03E+00	2.31E+00	pCi/L	U
1143	581945001	6/6/2022	Niobium-95	1.37E+00	1.35E+00	4.76E+00	pCi/L	U
1143	584821001	7/4/2022	Niobium-95	4.89E+00	1.76E+00	7.43E+00	pCi/L	U
1143	587888001	8/1/2022	Niobium-95	1.48E+00	1.12E+00	4.10E+00	pCi/L	U
1143	590547001	8/29/2022	Niobium-95	-6.51E-01	1.52E+00	4.66E+00	pCi/L	U
1143	594423008	9/26/2022	Niobium-95	-6.33E-01	1.01E+00	3.18E+00	pCi/L	U
1143	597936001	10/24/2022	Niobium-95	4.05E+00	1.37E+00	5.53E+00	pCi/L	U
1143	601450001	11/21/2022	Niobium-95	-4.73E-01	1.68E+00	5.14E+00	pCi/L	U
1143	604619001	12/19/2022	Niobium-95	-2.46E-01	1.64E+00	4.65E+00	pCi/L	U
1143	567643001	1/18/2022	Potassium-40	5.10E-01	1.22E+01	3.87E+01	pCi/L	U
1143	570264001	2/14/2022	Potassium-40	-1.77E+01	9.82E+00	2.30E+01	pCi/L	U
1143	573043001	3/14/2022	Potassium-40	7.54E+00	1.43E+01	5.29E+01	pCi/L	U
1143	576091001	4/11/2022	Potassium-40	-5.19E+00	1.16E+01	3.69E+01	pCi/L	U
1143	579261010	5/9/2022	Potassium-40	2.24E+01	1.64E+01	2.22E+01	pCi/L	UI
1143	581945001	6/6/2022	Potassium-40	5.68E-02	2.49E+01	4.43E+01	pCi/L	U
1143	584821001	7/4/2022	Potassium-40	5.22E+00	2.90E+01	9.45E+01	pCi/L	U
1143	587888001	8/1/2022	Potassium-40	-1.11E+01	1.62E+01	5.17E+01	pCi/L	U
1143	590547001	8/29/2022	Potassium-40	4.17E+01	2.21E+01	4.57E+01	pCi/L	U
1143	594423008	9/26/2022	Potassium-40	6.91E+00	2.69E+01	2.97E+01	pCi/L	U
1143	597936001	10/24/2022	Potassium-40	-3.33E+01	1.97E+01	5.66E+01	pCi/L	U
1143	601450001	11/21/2022	Potassium-40	-4.14E+01	2.14E+01	6.54E+01	pCi/L	U
1143	604619001	12/19/2022	Potassium-40	-2.64E+01	1.72E+01	5.67E+01	pCi/L	U
1143	567643001	1/18/2022	Radium-226	1.18E+01	3.40E+01	4.58E+01	pCi/L	U
1143	570264001	2/14/2022	Radium-226	3.23E+01	2.27E+01	2.86E+01	pCi/L	UI
1143	573043001	3/14/2022	Radium-226	-1.18E+00	3.09E+01	9.96E+01	pCi/L	U
1143	576091001	4/11/2022	Radium-226	-3.20E+01	2.24E+01	6.88E+01	pCi/L	U
1143	579261010	5/9/2022	Radium-226	1.75E+00	2.64E+01	4.38E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	581945001	6/6/2022	Radium-226	-4.84E+01	3.86E+01	1.32E+02	pCi/L	U
1143	584821001	7/4/2022	Radium-226	-6.45E+01	4.35E+01	1.34E+02	pCi/L	U
1143	587888001	8/1/2022	Radium-226	2.93E+01	5.06E+01	7.56E+01	pCi/L	U
1143	590547001	8/29/2022	Radium-226	-5.59E+01	3.73E+01	1.30E+02	pCi/L	U
1143	594423008	9/26/2022	Radium-226	-5.49E+01	2.97E+01	8.74E+01	pCi/L	U
1143	597936001	10/24/2022	Radium-226	-3.08E+01	3.79E+01	1.29E+02	pCi/L	U
1143	601450001	11/21/2022	Radium-226	4.57E+01	6.19E+01	9.29E+01	pCi/L	U
1143	604619001	12/19/2022	Radium-226	6.36E+01	6.08E+01	9.31E+01	pCi/L	U
1143	567643001	1/18/2022	Radium-228	3.60E+00	4.00E+00	1.30E+01	pCi/L	U
1143	570264001	2/14/2022	Radium-228	3.37E+00	5.21E+00	4.93E+00	pCi/L	U
1143	573043001	3/14/2022	Radium-228	5.69E+00	4.49E+00	1.59E+01	pCi/L	U
1143	576091001	4/11/2022	Radium-228	1.03E+00	3.79E+00	9.59E+00	pCi/L	U
1143	579261010	5/9/2022	Radium-228	-2.26E+00	3.53E+00	7.84E+00	pCi/L	U
1143	581945001	6/6/2022	Radium-228	1.02E+00	7.36E+00	1.89E+01	pCi/L	U
1143	584821001	7/4/2022	Radium-228	3.70E+00	1.05E+01	3.42E+01	pCi/L	U
1143	587888001	8/1/2022	Radium-228	8.31E+00	7.09E+00	1.93E+01	pCi/L	U
1143	590547001	8/29/2022	Radium-228	-6.90E+00	5.75E+00	1.99E+01	pCi/L	U
1143	594423008	9/26/2022	Radium-228	-1.76E+00	5.19E+00	1.77E+01	pCi/L	U
1143	597936001	10/24/2022	Radium-228	-8.73E+00	5.64E+00	1.82E+01	pCi/L	U
1143	601450001	11/21/2022	Radium-228	1.02E+01	8.01E+00	2.41E+01	pCi/L	U
1143	604619001	12/19/2022	Radium-228	-4.17E+00	6.31E+00	2.08E+01	pCi/L	U
1143	567643001	1/18/2022	Ruthenium-103	-7.32E-01	8.36E-01	2.64E+00	pCi/L	U
1143	570264001	2/14/2022	Ruthenium-103	-2.01E-01	4.84E-01	1.61E+00	pCi/L	U
1143	573043001	3/14/2022	Ruthenium-103	-2.97E-01	1.40E+00	4.67E+00	pCi/L	U
1143	576091001	4/11/2022	Ruthenium-103	-9.26E-01	8.17E-01	2.50E+00	pCi/L	U
1143	579261010	5/9/2022	Ruthenium-103	-8.45E-01	6.97E-01	2.19E+00	pCi/L	U
1143	581945001	6/6/2022	Ruthenium-103	-8.00E-02	1.42E+00	4.60E+00	pCi/L	U
1143	584821001	7/4/2022	Ruthenium-103	-4.09E-01	1.94E+00	6.43E+00	pCi/L	U
1143	587888001	8/1/2022	Ruthenium-103	1.82E+00	1.11E+00	4.18E+00	pCi/L	U
1143	590547001	8/29/2022	Ruthenium-103	-2.48E-01	1.31E+00	4.22E+00	pCi/L	U
1143	594423008	9/26/2022	Ruthenium-103	-1.79E-01	8.30E-01	2.80E+00	pCi/L	U
1143	597936001	10/24/2022	Ruthenium-103	4.36E-01	1.52E+00	4.57E+00	pCi/L	U
1143	601450001	11/21/2022	Ruthenium-103	2.29E-01	1.79E+00	6.00E+00	pCi/L	U
1143	604619001	12/19/2022	Ruthenium-103	-8.97E-01	1.36E+00	4.16E+00	pCi/L	U
1143	567643001	1/18/2022	Ruthenium-106	-8.71E-01	8.15E+00	2.65E+01	pCi/L	U
1143	570264001	2/14/2022	Ruthenium-106	-2.67E-01	3.96E+00	1.31E+01	pCi/L	U
1143	573043001	3/14/2022	Ruthenium-106	-1.54E+01	9.90E+00	2.77E+01	pCi/L	U
1143	576091001	4/11/2022	Ruthenium-106	8.58E+00	6.31E+00	2.23E+01	pCi/L	U
1143	579261010	5/9/2022	Ruthenium-106	-1.96E+00	5.95E+00	1.91E+01	pCi/L	U
1143	581945001	6/6/2022	Ruthenium-106	2.08E+00	1.03E+01	3.39E+01	pCi/L	U
1143	584821001	7/4/2022	Ruthenium-106	2.34E+01	1.52E+01	5.77E+01	pCi/L	U
1143	587888001	8/1/2022	Ruthenium-106	-9.89E+00	9.39E+00	2.71E+01	pCi/L	U
1143	590547001	8/29/2022	Ruthenium-106	-1.36E+01	1.17E+01	3.36E+01	pCi/L	U
1143	594423008	9/26/2022	Ruthenium-106	-7.83E+00	8.52E+00	2.65E+01	pCi/L	U
1143	597936001	10/24/2022	Ruthenium-106	3.00E+01	1.79E+01	4.80E+01	pCi/L	U
1143	601450001	11/21/2022	Ruthenium-106	-2.60E+01	1.60E+01	4.34E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1143	604619001	12/19/2022	Ruthenium-106	-7.41E-01	1.16E+01	3.69E+01	pCi/L	U
1143	567643001	1/18/2022	Selenium-75	3.12E-01	9.03E-01	3.14E+00	pCi/L	U
1143	570264001	2/14/2022	Selenium-75	7.96E-02	6.39E-01	2.03E+00	pCi/L	U
1143	573043001	3/14/2022	Selenium-75	-2.30E-01	1.41E+00	4.57E+00	pCi/L	U
1143	576091001	4/11/2022	Selenium-75	-8.63E-01	9.95E-01	3.31E+00	pCi/L	U
1143	579261010	5/9/2022	Selenium-75	4.26E-01	9.13E-01	2.90E+00	pCi/L	U
1143	581945001	6/6/2022	Selenium-75	2.64E+00	1.75E+00	6.32E+00	pCi/L	U
1143	584821001	7/4/2022	Selenium-75	-4.02E+00	2.44E+00	6.89E+00	pCi/L	U
1143	587888001	8/1/2022	Selenium-75	8.68E-01	1.31E+00	4.66E+00	pCi/L	U
1143	590547001	8/29/2022	Selenium-75	-2.24E+00	1.76E+00	5.50E+00	pCi/L	U
1143	594423008	9/26/2022	Selenium-75	8.61E-01	1.35E+00	4.51E+00	pCi/L	U
1143	597936001	10/24/2022	Selenium-75	3.43E+00	1.71E+00	6.31E+00	pCi/L	U
1143	601450001	11/21/2022	Selenium-75	1.21E+00	1.89E+00	6.24E+00	pCi/L	U
1143	604619001	12/19/2022	Selenium-75	-7.19E-01	1.72E+00	5.60E+00	pCi/L	U
1143	567643001	1/18/2022	Silver-108m	-9.87E-01	7.94E-01	2.19E+00	pCi/L	U
1143	570264001	2/14/2022	Silver-108m	2.11E-01	4.07E-01	1.28E+00	pCi/L	U
1143	573043001	3/14/2022	Silver-108m	-8.37E-01	1.15E+00	3.02E+00	pCi/L	U
1143	576091001	4/11/2022	Silver-108m	-2.14E-01	5.96E-01	1.94E+00	pCi/L	U
1143	579261010	5/9/2022	Silver-108m	-1.74E-01	5.36E-01	1.77E+00	pCi/L	U
1143	581945001	6/6/2022	Silver-108m	1.12E+00	1.27E+00	4.40E+00	pCi/L	U
1143	584821001	7/4/2022	Silver-108m	1.52E+00	1.33E+00	4.94E+00	pCi/L	U
1143	587888001	8/1/2022	Silver-108m	-1.30E-01	9.31E-01	3.07E+00	pCi/L	U
1143	590547001	8/29/2022	Silver-108m	-2.07E+00	1.16E+00	3.26E+00	pCi/L	U
1143	594423008	9/26/2022	Silver-108m	2.01E+00	7.01E-01	2.81E+00	pCi/L	U
1143	597936001	10/24/2022	Silver-108m	7.87E-01	1.09E+00	3.77E+00	pCi/L	U
1143	601450001	11/21/2022	Silver-108m	1.33E-01	1.22E+00	4.15E+00	pCi/L	U
1143	604619001	12/19/2022	Silver-108m	1.27E-01	1.23E+00	4.06E+00	pCi/L	U
1143	567643001	1/18/2022	Silver-110m	-9.40E-01	1.09E+00	3.22E+00	pCi/L	U
1143	570264001	2/14/2022	Silver-110m	1.02E-01	6.43E-01	2.10E+00	pCi/L	U
1143	573043001	3/14/2022	Silver-110m	9.71E-01	1.43E+00	4.94E+00	pCi/L	U
1143	576091001	4/11/2022	Silver-110m	-4.20E-01	1.28E+00	2.55E+00	pCi/L	U
1143	579261010	5/9/2022	Silver-110m	-4.46E-01	8.59E-01	2.63E+00	pCi/L	U
1143	581945001	6/6/2022	Silver-110m	1.57E+00	1.83E+00	6.35E+00	pCi/L	U
1143	584821001	7/4/2022	Silver-110m	1.04E+00	2.51E+00	8.50E+00	pCi/L	U
1143	587888001	8/1/2022	Silver-110m	-5.62E-01	1.19E+00	3.81E+00	pCi/L	U
1143	590547001	8/29/2022	Silver-110m	-1.74E+00	1.94E+00	5.52E+00	pCi/L	U
1143	594423008	9/26/2022	Silver-110m	-1.29E+00	1.33E+00	3.23E+00	pCi/L	U
1143	597936001	10/24/2022	Silver-110m	6.03E+00	1.89E+00	6.50E+00	pCi/L	U
1143	601450001	11/21/2022	Silver-110m	2.88E-01	2.34E+00	7.99E+00	pCi/L	U
1143	604619001	12/19/2022	Silver-110m	1.60E+00	1.41E+00	5.39E+00	pCi/L	U
1143	567643001	1/18/2022	Tellurium-132	-7.16E+00	3.17E+00	8.92E+00	pCi/L	U
1143	570264001	2/14/2022	Tellurium-132	1.81E+00	2.57E+00	8.38E+00	pCi/L	U
1143	573043001	3/14/2022	Tellurium-132	-1.43E+01	1.14E+01	3.52E+01	pCi/L	U
1143	576091001	4/11/2022	Tellurium-132	-3.32E+00	4.47E+00	1.35E+01	pCi/L	U
1143	579261010	5/9/2022	Tellurium-132	1.16E+00	3.87E+00	1.23E+01	pCi/L	U
1143	581945001	6/6/2022	Tellurium-132	-7.50E-01	3.34E+00	1.11E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	584821001	7/4/2022	Tellurium-132	-5.92E+00	1.18E+01	3.55E+01	pCi/L	U
1143	587888001	8/1/2022	Tellurium-132	5.26E-01	1.08E+01	3.38E+01	pCi/L	U
1143	590547001	8/29/2022	Tellurium-132	-8.36E-01	2.43E+00	8.02E+00	pCi/L	U
1143	594423008	9/26/2022	Tellurium-132	7.23E-01	1.75E+00	5.81E+00	pCi/L	U
1143	597936001	10/24/2022	Tellurium-132	-3.86E+00	2.83E+00	8.88E+00	pCi/L	U
1143	601450001	11/21/2022	Tellurium-132	-1.31E+00	8.76E+00	2.78E+01	pCi/L	U
1143	604619001	12/19/2022	Tellurium-132	1.83E+00	1.05E+01	3.54E+01	pCi/L	U
1143	567643001	1/18/2022	Thallium-208	3.16E+00	1.49E+00	2.75E+00	pCi/L	UI
1143	570264001	2/14/2022	Thallium-208	1.27E+00	1.28E+00	1.43E+00	pCi/L	U
1143	573043001	3/14/2022	Thallium-208	-8.34E-01	1.47E+00	4.83E+00	pCi/L	U
1143	576091001	4/11/2022	Thallium-208	-1.73E+00	1.05E+00	2.63E+00	pCi/L	U
1143	579261010	5/9/2022	Thallium-208	4.98E-02	9.92E-01	2.73E+00	pCi/L	U
1143	581945001	6/6/2022	Thallium-208	-3.33E+00	1.70E+00	4.91E+00	pCi/L	U
1143	584821001	7/4/2022	Thallium-208	1.39E-01	2.33E+00	7.46E+00	pCi/L	U
1143	587888001	8/1/2022	Thallium-208	4.11E+00	2.60E+00	3.13E+00	pCi/L	UI
1143	590547001	8/29/2022	Thallium-208	1.63E+00	2.66E+00	3.49E+00	pCi/L	U
1143	594423008	9/26/2022	Thallium-208	4.32E+00	2.13E+00	2.53E+00	pCi/L	U
1143	597936001	10/24/2022	Thallium-208	5.65E+00	2.06E+00	3.96E+00	pCi/L	UI
1143	601450001	11/21/2022	Thallium-208	-1.51E+00	1.79E+00	5.62E+00	pCi/L	U
1143	604619001	12/19/2022	Thallium-208	-1.42E+00	1.56E+00	4.71E+00	pCi/L	U
1143	567643001	1/18/2022	Thorium-228	4.20E-01	2.71E+00	5.47E+00	pCi/L	U
1143	570264001	2/14/2022	Thorium-228	2.74E+00	1.86E+00	2.77E+00	pCi/L	U
1143	573043001	3/14/2022	Thorium-228	-4.17E+00	2.44E+00	7.27E+00	pCi/L	U
1143	576091001	4/11/2022	Thorium-228	2.45E+00	2.75E+00	5.37E+00	pCi/L	U
1143	579261010	5/9/2022	Thorium-228	2.70E+00	2.38E+00	3.89E+00	pCi/L	U
1143	581945001	6/6/2022	Thorium-228	3.41E+00	4.71E+00	7.73E+00	pCi/L	U
1143	584821001	7/4/2022	Thorium-228	-1.08E+00	3.72E+00	1.22E+01	pCi/L	U
1143	587888001	8/1/2022	Thorium-228	2.98E+00	3.97E+00	7.27E+00	pCi/L	U
1143	590547001	8/29/2022	Thorium-228	4.96E+00	5.96E+00	9.77E+00	pCi/L	U
1143	594423008	9/26/2022	Thorium-228	-8.17E-01	2.35E+00	8.56E+00	pCi/L	U
1143	597936001	10/24/2022	Thorium-228	1.82E+01	6.04E+00	9.99E+00	pCi/L	UI
1143	601450001	11/21/2022	Thorium-228	3.36E+00	3.39E+00	9.12E+00	pCi/L	U
1143	604619001	12/19/2022	Thorium-228	1.38E-01	4.74E+00	9.99E+00	pCi/L	U
1143	567643001	1/18/2022	Thorium-230	3.77E+02	1.87E+02	4.24E+02	pCi/L	U
1143	570264001	2/14/2022	Thorium-230	1.06E+03	4.12E+02	6.43E+02	pCi/L	UI
1143	573043001	3/14/2022	Thorium-230	3.70E+02	3.27E+02	1.12E+03	pCi/L	U
1143	576091001	4/11/2022	Thorium-230	1.34E+03	6.77E+02	1.21E+03	pCi/L	UI
1143	579261010	5/9/2022	Thorium-230	1.54E+03	5.68E+02	9.12E+02	pCi/L	UI
1143	581945001	6/6/2022	Thorium-230	2.34E+02	7.01E+02	2.07E+03	pCi/L	U
1143	584821001	7/4/2022	Thorium-230	5.75E+01	5.53E+02	1.91E+03	pCi/L	U
1143	587888001	8/1/2022	Thorium-230	5.59E+02	5.24E+02	1.79E+03	pCi/L	U
1143	590547001	8/29/2022	Thorium-230	5.02E+02	7.03E+02	2.13E+03	pCi/L	U
1143	594423008	9/26/2022	Thorium-230	6.81E+02	4.40E+02	8.01E+02	pCi/L	U
1143	597936001	10/24/2022	Thorium-230	-3.89E+01	7.64E+02	2.34E+03	pCi/L	U
1143	601450001	11/21/2022	Thorium-230	-3.44E+02	2.09E+02	6.40E+02	pCi/L	U
1143	604619001	12/19/2022	Thorium-230	6.48E+03	2.52E+03	2.21E+03	pCi/L	UI

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	567643001	1/18/2022	Thorium-232	1.23E+02	4.58E+02	6.77E+02	pCi/L	U
1143	570264001	2/14/2022	Thorium-232	8.80E+02	6.94E+02	1.15E+03	pCi/L	U
1143	573043001	3/14/2022	Thorium-232	-6.14E+02	6.98E+02	2.03E+03	pCi/L	U
1143	576091001	4/11/2022	Thorium-232	4.12E+02	9.13E+02	2.93E+03	pCi/L	U
1143	579261010	5/9/2022	Thorium-232	1.37E+03	8.48E+02	1.55E+03	pCi/L	U
1143	581945001	6/6/2022	Thorium-232	2.65E+03	2.21E+03	4.02E+03	pCi/L	U
1143	584821001	7/4/2022	Thorium-232	8.79E+02	1.74E+03	3.65E+03	pCi/L	U
1143	587888001	8/1/2022	Thorium-232	-1.42E+03	9.45E+02	2.92E+03	pCi/L	U
1143	590547001	8/29/2022	Thorium-232	3.99E+03	2.69E+03	3.64E+03	pCi/L	UI
1143	594423008	9/26/2022	Thorium-232	9.06E+02	7.04E+02	1.24E+03	pCi/L	U
1143	597936001	10/24/2022	Thorium-232	2.32E+03	2.24E+03	3.96E+03	pCi/L	U
1143	601450001	11/21/2022	Thorium-232	1.01E+02	6.45E+02	9.99E+02	pCi/L	U
1143	604619001	12/19/2022	Thorium-232	-1.59E+03	1.53E+03	4.64E+03	pCi/L	U
1143	567643001	1/18/2022	Thorium-234	8.67E+00	3.22E+01	4.39E+01	pCi/L	U
1143	570264001	2/14/2022	Thorium-234	6.19E+01	4.87E+01	1.11E+02	pCi/L	U
1143	573043001	3/14/2022	Thorium-234	-2.44E-01	4.91E+01	1.47E+02	pCi/L	U
1143	576091001	4/11/2022	Thorium-234	-5.55E+01	6.95E+01	2.13E+02	pCi/L	U
1143	579261010	5/9/2022	Thorium-234	9.65E+01	5.96E+01	1.39E+02	pCi/L	U
1143	581945001	6/6/2022	Thorium-234	1.86E+02	1.55E+02	2.92E+02	pCi/L	U
1143	584821001	7/4/2022	Thorium-234	6.18E+01	1.22E+02	3.06E+02	pCi/L	U
1143	587888001	8/1/2022	Thorium-234	-8.57E+01	6.77E+01	2.11E+02	pCi/L	U
1143	590547001	8/29/2022	Thorium-234	2.81E+02	1.89E+02	3.73E+02	pCi/L	U
1143	594423008	9/26/2022	Thorium-234	6.36E+01	4.94E+01	8.75E+01	pCi/L	U
1143	597936001	10/24/2022	Thorium-234	1.63E+02	1.57E+02	2.61E+02	pCi/L	U
1143	601450001	11/21/2022	Thorium-234	7.09E+00	4.53E+01	1.06E+02	pCi/L	U
1143	604619001	12/19/2022	Thorium-234	-1.37E+02	1.10E+02	3.31E+02	pCi/L	U
1143	576887001	3/14/2022	Tritium	-5.44E+02	2.15E+02	7.54E+02	pCi/L	U
1143	585634001	6/6/2022	Tritium	2.83E+02	2.14E+02	6.63E+02	pCi/L	U
1143	600026008	9/26/2022	Tritium	-1.20E+02	1.99E+02	6.66E+02	pCi/L	U
1143	609577001	12/19/2022	Tritium	-1.60E+02	2.45E+02	8.22E+02	pCi/L	U
1143	567643001	1/18/2022	Uranium-234	4.00E+01	5.67E+02	1.64E+03	pCi/L	U
1143	570264001	2/14/2022	Uranium-234	3.73E+03	1.62E+03	5.78E+03	pCi/L	U
1143	573043001	3/14/2022	Uranium-234	-9.06E+02	2.07E+03	6.23E+03	pCi/L	U
1143	576091001	4/11/2022	Uranium-234	9.30E+02	4.73E+03	1.33E+04	pCi/L	U
1143	579261010	5/9/2022	Uranium-234	6.96E+02	4.02E+03	6.07E+03	pCi/L	U
1143	581945001	6/6/2022	Uranium-234	4.59E+03	5.54E+03	1.83E+04	pCi/L	U
1143	584821001	7/4/2022	Uranium-234	3.22E+03	4.17E+03	1.50E+04	pCi/L	U
1143	587888001	8/1/2022	Uranium-234	-1.12E+01	2.60E+03	8.66E+03	pCi/L	U
1143	590547001	8/29/2022	Uranium-234	-1.65E+03	5.80E+03	1.81E+04	pCi/L	U
1143	594423008	9/26/2022	Uranium-234	1.78E+03	1.64E+03	3.61E+03	pCi/L	U
1143	597936001	10/24/2022	Uranium-234	4.45E+03	5.05E+03	1.68E+04	pCi/L	U
1143	601450001	11/21/2022	Uranium-234	-4.88E+02	9.27E+02	2.64E+03	pCi/L	U
1143	604619001	12/19/2022	Uranium-234	4.82E+03	5.65E+03	1.85E+04	pCi/L	U
1143	567643001	1/18/2022	Zinc-65	1.39E+00	1.61E+00	5.78E+00	pCi/L	U
1143	570264001	2/14/2022	Zinc-65	-1.31E+00	8.98E-01	2.54E+00	pCi/L	U
1143	573043001	3/14/2022	Zinc-65	-6.46E+00	2.52E+00	5.60E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1143	576091001	4/11/2022	Zinc-65	1.28E+00	1.25E+00	4.57E+00	pCi/L	U
1143	579261010	5/9/2022	Zinc-65	-5.25E-02	1.39E+00	4.10E+00	pCi/L	U
1143	581945001	6/6/2022	Zinc-65	-2.93E+00	2.83E+00	7.55E+00	pCi/L	U
1143	584821001	7/4/2022	Zinc-65	-1.15E+00	3.93E+00	1.28E+01	pCi/L	U
1143	587888001	8/1/2022	Zinc-65	3.02E+00	2.75E+00	5.99E+00	pCi/L	U
1143	590547001	8/29/2022	Zinc-65	-9.89E-01	2.43E+00	7.77E+00	pCi/L	U
1143	594423008	9/26/2022	Zinc-65	-2.23E+00	1.62E+00	3.91E+00	pCi/L	U
1143	597936001	10/24/2022	Zinc-65	-1.25E-01	2.55E+00	8.52E+00	pCi/L	U
1143	601450001	11/21/2022	Zinc-65	1.47E+00	2.53E+00	9.19E+00	pCi/L	U
1143	604619001	12/19/2022	Zinc-65	-3.85E+00	3.44E+00	8.38E+00	pCi/L	U
1143	567643001	1/18/2022	Zirconium-95	1.42E-01	1.65E+00	4.77E+00	pCi/L	U
1143	570264001	2/14/2022	Zirconium-95	-3.52E-01	8.33E-01	2.67E+00	pCi/L	U
1143	573043001	3/14/2022	Zirconium-95	-1.90E-01	2.20E+00	7.20E+00	pCi/L	U
1143	576091001	4/11/2022	Zirconium-95	-4.32E-01	1.19E+00	3.64E+00	pCi/L	U
1143	579261010	5/9/2022	Zirconium-95	7.26E-01	1.20E+00	4.00E+00	pCi/L	U
1143	581945001	6/6/2022	Zirconium-95	4.45E+00	2.00E+00	7.99E+00	pCi/L	U
1143	584821001	7/4/2022	Zirconium-95	-1.49E+00	2.45E+00	7.18E+00	pCi/L	U
1143	587888001	8/1/2022	Zirconium-95	2.14E+00	2.18E+00	7.69E+00	pCi/L	U
1143	590547001	8/29/2022	Zirconium-95	-2.74E+00	2.44E+00	6.82E+00	pCi/L	U
1143	594423008	9/26/2022	Zirconium-95	-4.25E+00	2.85E+00	5.19E+00	pCi/L	U
1143	597936001	10/24/2022	Zirconium-95	4.38E+00	1.97E+00	7.88E+00	pCi/L	U
1143	601450001	11/21/2022	Zirconium-95	-1.42E+00	2.97E+00	8.86E+00	pCi/L	U
1143	604619001	12/19/2022	Zirconium-95	2.39E+00	2.12E+00	7.66E+00	pCi/L	U
1144	567643002	1/18/2022	Actinium-228	7.37E+00	4.13E+00	1.52E+01	pCi/L	U
1144	570264002	2/14/2022	Actinium-228	-7.13E+00	5.56E+00	1.12E+01	pCi/L	U
1144	573043008	3/14/2022	Actinium-228	-1.30E+01	9.61E+00	2.79E+01	pCi/L	U
1144	576091002	4/11/2022	Actinium-228	-4.30E+00	3.95E+00	1.14E+01	pCi/L	U
1144	579261008	5/9/2022	Actinium-228	5.33E-01	4.53E+00	1.36E+01	pCi/L	U
1144	581945002	6/6/2022	Actinium-228	5.75E+00	5.64E+00	2.01E+01	pCi/L	U
1144	584821008	7/4/2022	Actinium-228	-6.49E+00	5.03E+00	1.61E+01	pCi/L	U
1144	587888008	8/1/2022	Actinium-228	-6.22E+00	4.52E+00	1.31E+01	pCi/L	U
1144	590547009	8/29/2022	Actinium-228	3.00E+00	7.11E+00	1.76E+01	pCi/L	U
1144	594423007	9/26/2022	Actinium-228	-7.01E-01	5.35E+00	1.69E+01	pCi/L	U
1144	597936008	10/24/2022	Actinium-228	-7.42E+00	5.47E+00	1.61E+01	pCi/L	U
1144	601450008	11/21/2022	Actinium-228	1.98E+00	4.60E+00	1.35E+01	pCi/L	U
1144	604619008	12/19/2022	Actinium-228	-1.61E+00	5.77E+00	1.79E+01	pCi/L	U
1144	567643002	1/18/2022	Americium-241	6.16E+00	6.11E+00	2.10E+01	pCi/L	U
1144	570264002	2/14/2022	Americium-241	4.78E-01	1.35E+00	3.98E+00	pCi/L	U
1144	573043008	3/14/2022	Americium-241	-5.55E+00	8.68E+00	2.90E+01	pCi/L	U
1144	576091002	4/11/2022	Americium-241	-9.28E-01	7.33E+00	2.18E+01	pCi/L	U
1144	579261008	5/9/2022	Americium-241	5.76E+00	6.49E+00	1.98E+01	pCi/L	U
1144	581945002	6/6/2022	Americium-241	3.83E+00	1.34E+01	4.58E+01	pCi/L	U
1144	584821008	7/4/2022	Americium-241	4.70E-01	2.69E+00	9.37E+00	pCi/L	U
1144	587888008	8/1/2022	Americium-241	-7.42E-01	3.74E+00	1.22E+01	pCi/L	U
1144	590547009	8/29/2022	Americium-241	6.87E+00	6.06E+00	1.99E+01	pCi/L	U
1144	594423007	9/26/2022	Americium-241	1.99E+00	1.12E+01	3.88E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	597936008	10/24/2022	Americium-241	-4.79E+00	5.97E+00	1.74E+01	pCi/L	U
1144	601450008	11/21/2022	Americium-241	1.98E+00	4.67E+00	1.44E+01	pCi/L	U
1144	604619008	12/19/2022	Americium-241	2.91E-01	6.34E+00	2.14E+01	pCi/L	U
1144	567643002	1/18/2022	Antimony-124	1.77E+00	2.91E+00	1.02E+01	pCi/L	U
1144	570264002	2/14/2022	Antimony-124	1.06E+00	1.75E+00	5.91E+00	pCi/L	U
1144	573043008	3/14/2022	Antimony-124	-5.26E-01	4.94E+00	1.58E+01	pCi/L	U
1144	576091002	4/11/2022	Antimony-124	7.52E+00	1.77E+00	6.14E+00	pCi/L	UI
1144	579261008	5/9/2022	Antimony-124	-3.63E+00	2.44E+00	5.49E+00	pCi/L	U
1144	581945002	6/6/2022	Antimony-124	-2.56E-01	3.89E+00	1.26E+01	pCi/L	U
1144	584821008	7/4/2022	Antimony-124	-2.48E+00	2.36E+00	6.65E+00	pCi/L	U
1144	587888008	8/1/2022	Antimony-124	-3.00E+00	3.14E+00	8.76E+00	pCi/L	U
1144	590547009	8/29/2022	Antimony-124	-1.41E+00	2.95E+00	9.32E+00	pCi/L	U
1144	594423007	9/26/2022	Antimony-124	1.36E+00	2.59E+00	9.39E+00	pCi/L	U
1144	597936008	10/24/2022	Antimony-124	6.92E+00	3.00E+00	1.26E+01	pCi/L	U
1144	601450008	11/21/2022	Antimony-124	-2.73E+00	2.06E+00	4.61E+00	pCi/L	U
1144	604619008	12/19/2022	Antimony-124	3.00E+00	2.26E+00	9.03E+00	pCi/L	U
1144	567643002	1/18/2022	Antimony-125	-4.11E-01	2.78E+00	8.74E+00	pCi/L	U
1144	570264002	2/14/2022	Antimony-125	1.46E+00	1.80E+00	6.03E+00	pCi/L	U
1144	573043008	3/14/2022	Antimony-125	-1.23E+00	4.72E+00	1.58E+01	pCi/L	U
1144	576091002	4/11/2022	Antimony-125	-8.81E-03	2.05E+00	6.76E+00	pCi/L	U
1144	579261008	5/9/2022	Antimony-125	-1.61E+00	2.21E+00	6.83E+00	pCi/L	U
1144	581945002	6/6/2022	Antimony-125	-4.23E+00	3.68E+00	1.14E+01	pCi/L	U
1144	584821008	7/4/2022	Antimony-125	5.65E+00	2.76E+00	1.00E+01	pCi/L	U
1144	587888008	8/1/2022	Antimony-125	-5.51E+00	2.79E+00	7.94E+00	pCi/L	U
1144	590547009	8/29/2022	Antimony-125	7.80E-01	2.91E+00	9.81E+00	pCi/L	U
1144	594423007	9/26/2022	Antimony-125	-1.21E+00	3.31E+00	1.03E+01	pCi/L	U
1144	597936008	10/24/2022	Antimony-125	-4.78E+00	2.92E+00	8.49E+00	pCi/L	U
1144	601450008	11/21/2022	Antimony-125	-1.07E+00	2.53E+00	7.11E+00	pCi/L	U
1144	604619008	12/19/2022	Antimony-125	-2.62E+00	2.86E+00	9.07E+00	pCi/L	U
1144	567643002	1/18/2022	Barium-140	5.04E+00	4.75E+00	1.68E+01	pCi/L	U
1144	570264002	2/14/2022	Barium-140	4.17E+00	3.97E+00	1.33E+01	pCi/L	U
1144	573043008	3/14/2022	Barium-140	8.80E+00	1.05E+01	3.79E+01	pCi/L	U
1144	576091002	4/11/2022	Barium-140	-3.10E+00	5.04E+00	1.24E+01	pCi/L	U
1144	579261008	5/9/2022	Barium-140	-1.65E+00	4.16E+00	1.39E+01	pCi/L	U
1144	581945002	6/6/2022	Barium-140	-3.58E-01	6.56E+00	1.98E+01	pCi/L	U
1144	584821008	7/4/2022	Barium-140	3.27E+00	3.79E+00	1.38E+01	pCi/L	U
1144	587888008	8/1/2022	Barium-140	7.52E-01	7.04E+00	2.31E+01	pCi/L	U
1144	590547009	8/29/2022	Barium-140	8.31E-01	4.58E+00	1.51E+01	pCi/L	U
1144	594423007	9/26/2022	Barium-140	-4.09E+00	5.18E+00	1.38E+01	pCi/L	U
1144	597936008	10/24/2022	Barium-140	4.92E+00	4.89E+00	1.74E+01	pCi/L	U
1144	601450008	11/21/2022	Barium-140	-9.48E+00	6.33E+00	1.49E+01	pCi/L	U
1144	604619008	12/19/2022	Barium-140	-4.50E+00	8.34E+00	2.45E+01	pCi/L	U
1144	567643002	1/18/2022	Beryllium-7	1.06E+01	7.96E+00	2.86E+01	pCi/L	U
1144	570264002	2/14/2022	Beryllium-7	5.15E+00	5.74E+00	1.93E+01	pCi/L	U
1144	573043008	3/14/2022	Beryllium-7	2.81E+00	1.42E+01	4.42E+01	pCi/L	U
1144	576091002	4/11/2022	Beryllium-7	-2.25E-02	6.34E+00	1.86E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	579261008	5/9/2022	Beryllium-7	1.37E+00	7.48E+00	2.41E+01	pCi/L	U
1144	581945002	6/6/2022	Beryllium-7	-1.66E+00	1.28E+01	3.98E+01	pCi/L	U
1144	584821008	7/4/2022	Beryllium-7	5.61E+00	8.65E+00	3.09E+01	pCi/L	U
1144	587888008	8/1/2022	Beryllium-7	1.50E+01	1.28E+01	3.24E+01	pCi/L	U
1144	590547009	8/29/2022	Beryllium-7	3.01E+00	8.89E+00	2.99E+01	pCi/L	U
1144	594423007	9/26/2022	Beryllium-7	-3.35E+00	1.04E+01	3.21E+01	pCi/L	U
1144	597936008	10/24/2022	Beryllium-7	1.42E+01	8.91E+00	3.31E+01	pCi/L	U
1144	601450008	11/21/2022	Beryllium-7	7.81E+00	9.27E+00	3.23E+01	pCi/L	U
1144	604619008	12/19/2022	Beryllium-7	8.65E+00	8.99E+00	3.23E+01	pCi/L	U
1144	567643002	1/18/2022	BETA	6.90E-01	7.42E-01	2.23E+00	pCi/L	U
1144	570264002	2/14/2022	BETA	4.25E-01	9.78E-01	3.14E+00	pCi/L	U
1144	573043008	3/14/2022	BETA	1.31E-01	1.06E+00	3.45E+00	pCi/L	U
1144	576091002	4/11/2022	BETA	2.54E+00	1.11E+00	3.33E+00	pCi/L	U
1144	579261008	5/9/2022	BETA	2.43E+00	9.51E-01	2.51E+00	pCi/L	U
1144	581945002	6/6/2022	BETA	2.19E+00	1.11E+00	3.11E+00	pCi/L	U
1144	584821008	7/4/2022	BETA	1.50E+00	8.43E-01	2.32E+00	pCi/L	U
1144	587888008	8/1/2022	BETA	6.94E-01	9.68E-01	3.09E+00	pCi/L	U
1144	590547009	8/29/2022	BETA	1.27E+00	9.33E-01	2.89E+00	pCi/L	U
1144	594423007	9/26/2022	BETA	2.77E+00	1.22E+00	3.52E+00	pCi/L	U
1144	597936008	10/24/2022	BETA	2.73E-01	1.11E+00	3.62E+00	pCi/L	U
1144	601450008	11/21/2022	BETA	-1.00E+00	7.35E-01	2.66E+00	pCi/L	U
1144	604619008	12/19/2022	BETA	2.06E+00	1.89E+00	2.68E+00	pCi/L	U
1144	567643002	1/18/2022	Bismuth-214	3.82E+00	4.54E+00	8.75E+00	pCi/L	U
1144	570264002	2/14/2022	Bismuth-214	1.43E+01	2.97E+00	4.18E+00	pCi/L	UI
1144	573043008	3/14/2022	Bismuth-214	-8.66E+00	4.76E+00	1.46E+01	pCi/L	U
1144	576091002	4/11/2022	Bismuth-214	-8.92E-01	2.45E+00	6.53E+00	pCi/L	U
1144	579261008	5/9/2022	Bismuth-214	1.72E+01	3.86E+00	4.89E+00	pCi/L	U
1144	581945002	6/6/2022	Bismuth-214	9.98E+00	4.62E+00	1.27E+01	pCi/L	U
1144	584821008	7/4/2022	Bismuth-214	-3.37E+00	2.87E+00	8.98E+00	pCi/L	U
1144	587888008	8/1/2022	Bismuth-214	-2.26E+00	2.99E+00	8.44E+00	pCi/L	U
1144	590547009	8/29/2022	Bismuth-214	-1.64E+00	2.94E+00	8.59E+00	pCi/L	U
1144	594423007	9/26/2022	Bismuth-214	1.04E+00	3.49E+00	1.02E+01	pCi/L	U
1144	597936008	10/24/2022	Bismuth-214	1.30E+01	4.03E+00	1.22E+01	pCi/L	UI
1144	601450008	11/21/2022	Bismuth-214	1.42E+00	5.44E+00	9.73E+00	pCi/L	U
1144	604619008	12/19/2022	Bismuth-214	-4.59E-01	3.02E+00	8.60E+00	pCi/L	U
1144	567643002	1/18/2022	Cerium-141	-6.32E-01	1.48E+00	4.30E+00	pCi/L	U
1144	570264002	2/14/2022	Cerium-141	1.49E+00	9.56E-01	3.06E+00	pCi/L	U
1144	573043008	3/14/2022	Cerium-141	-4.31E+00	3.16E+00	9.79E+00	pCi/L	U
1144	576091002	4/11/2022	Cerium-141	-3.78E-01	1.65E+00	5.13E+00	pCi/L	U
1144	579261008	5/9/2022	Cerium-141	8.50E-01	1.47E+00	5.09E+00	pCi/L	U
1144	581945002	6/6/2022	Cerium-141	6.66E+00	2.96E+00	6.23E+00	pCi/L	UI
1144	584821008	7/4/2022	Cerium-141	-2.66E+00	1.93E+00	6.10E+00	pCi/L	U
1144	587888008	8/1/2022	Cerium-141	-4.94E+00	2.18E+00	6.01E+00	pCi/L	U
1144	590547009	8/29/2022	Cerium-141	-4.74E+00	1.96E+00	5.21E+00	pCi/L	U
1144	594423007	9/26/2022	Cerium-141	1.19E+01	4.33E+00	5.87E+00	pCi/L	U
1144	597936008	10/24/2022	Cerium-141	-1.12E-01	1.80E+00	5.73E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	601450008	11/21/2022	Cerium-141	-9.65E-01	2.13E+00	6.54E+00	pCi/L	U
1144	604619008	12/19/2022	Cerium-141	-1.94E-01	2.16E+00	6.98E+00	pCi/L	U
1144	567643002	1/18/2022	Cerium-144	3.53E+00	5.86E+00	1.95E+01	pCi/L	U
1144	570264002	2/14/2022	Cerium-144	-2.85E+00	4.35E+00	1.19E+01	pCi/L	U
1144	573043008	3/14/2022	Cerium-144	-2.56E+01	1.20E+01	3.38E+01	pCi/L	U
1144	576091002	4/11/2022	Cerium-144	-7.81E+00	6.21E+00	1.87E+01	pCi/L	U
1144	579261008	5/9/2022	Cerium-144	1.95E+00	5.12E+00	1.77E+01	pCi/L	U
1144	581945002	6/6/2022	Cerium-144	4.16E+00	8.39E+00	2.80E+01	pCi/L	U
1144	584821008	7/4/2022	Cerium-144	3.21E+00	6.96E+00	2.37E+01	pCi/L	U
1144	587888008	8/1/2022	Cerium-144	5.57E+00	6.87E+00	2.26E+01	pCi/L	U
1144	590547009	8/29/2022	Cerium-144	4.73E-02	6.91E+00	2.22E+01	pCi/L	U
1144	594423007	9/26/2022	Cerium-144	-5.54E+00	7.72E+00	2.40E+01	pCi/L	U
1144	597936008	10/24/2022	Cerium-144	-9.55E+00	7.25E+00	2.17E+01	pCi/L	U
1144	601450008	11/21/2022	Cerium-144	3.35E+00	7.21E+00	2.33E+01	pCi/L	U
1144	604619008	12/19/2022	Cerium-144	-1.13E+01	8.23E+00	2.53E+01	pCi/L	U
1144	567643002	1/18/2022	Cesium-134	-1.38E+00	1.06E+00	3.26E+00	pCi/L	U
1144	570264002	2/14/2022	Cesium-134	-6.53E-01	7.92E-01	2.59E+00	pCi/L	U
1144	573043008	3/14/2022	Cesium-134	-7.76E+00	2.21E+00	3.34E+00	pCi/L	U
1144	576091002	4/11/2022	Cesium-134	-1.80E+00	1.10E+00	2.70E+00	pCi/L	U
1144	579261008	5/9/2022	Cesium-134	-1.92E-01	7.88E-01	2.56E+00	pCi/L	U
1144	581945002	6/6/2022	Cesium-134	5.19E-02	1.53E+00	4.96E+00	pCi/L	U
1144	584821008	7/4/2022	Cesium-134	-3.62E-01	9.74E-01	3.10E+00	pCi/L	U
1144	587888008	8/1/2022	Cesium-134	-3.54E-01	1.36E+00	3.97E+00	pCi/L	U
1144	590547009	8/29/2022	Cesium-134	3.30E-01	1.00E+00	3.51E+00	pCi/L	U
1144	594423007	9/26/2022	Cesium-134	-8.58E-01	1.50E+00	4.59E+00	pCi/L	U
1144	597936008	10/24/2022	Cesium-134	1.71E-01	1.18E+00	3.84E+00	pCi/L	U
1144	601450008	11/21/2022	Cesium-134	4.70E-01	1.01E+00	3.39E+00	pCi/L	U
1144	604619008	12/19/2022	Cesium-134	8.74E-01	1.39E+00	4.75E+00	pCi/L	U
1144	567643002	1/18/2022	Cesium-137	7.65E-01	1.13E+00	3.81E+00	pCi/L	U
1144	570264002	2/14/2022	Cesium-137	7.61E-01	7.47E-01	2.49E+00	pCi/L	U
1144	573043008	3/14/2022	Cesium-137	-6.56E-01	2.68E+00	9.52E+00	pCi/L	U
1144	576091002	4/11/2022	Cesium-137	-1.34E-01	7.75E-01	2.46E+00	pCi/L	U
1144	579261008	5/9/2022	Cesium-137	9.40E-01	1.24E+00	3.23E+00	pCi/L	U
1144	581945002	6/6/2022	Cesium-137	2.69E+00	1.37E+00	5.27E+00	pCi/L	U
1144	584821008	7/4/2022	Cesium-137	2.01E+00	9.82E-01	3.86E+00	pCi/L	U
1144	587888008	8/1/2022	Cesium-137	-1.71E-01	1.05E+00	3.31E+00	pCi/L	U
1144	590547009	8/29/2022	Cesium-137	2.85E+00	2.43E+00	3.18E+00	pCi/L	U
1144	594423007	9/26/2022	Cesium-137	4.23E+00	1.34E+00	4.27E+00	pCi/L	U
1144	597936008	10/24/2022	Cesium-137	2.49E-02	1.38E+00	4.55E+00	pCi/L	U
1144	601450008	11/21/2022	Cesium-137	6.31E-01	1.08E+00	3.65E+00	pCi/L	U
1144	604619008	12/19/2022	Cesium-137	1.21E-01	1.27E+00	4.21E+00	pCi/L	U
1144	567643002	1/18/2022	Chromium-51	-5.57E+00	7.89E+00	2.50E+01	pCi/L	U
1144	570264002	2/14/2022	Chromium-51	-7.08E+00	5.98E+00	1.92E+01	pCi/L	U
1144	573043008	3/14/2022	Chromium-51	5.98E+00	1.57E+01	5.09E+01	pCi/L	U
1144	576091002	4/11/2022	Chromium-51	1.24E+01	7.95E+00	2.84E+01	pCi/L	U
1144	579261008	5/9/2022	Chromium-51	-1.11E+01	7.70E+00	2.37E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1144	581945002	6/6/2022	Chromium-51	-9.56E+00	1.12E+01	3.63E+01	pCi/L	U
1144	584821008	7/4/2022	Chromium-51	1.44E+00	8.65E+00	2.79E+01	pCi/L	U
1144	587888008	8/1/2022	Chromium-51	-7.08E+00	1.01E+01	3.26E+01	pCi/L	U
1144	590547009	8/29/2022	Chromium-51	6.47E+00	8.15E+00	2.88E+01	pCi/L	U
1144	594423007	9/26/2022	Chromium-51	-5.51E+00	9.41E+00	2.99E+01	pCi/L	U
1144	597936008	10/24/2022	Chromium-51	1.85E+00	9.50E+00	3.26E+01	pCi/L	U
1144	601450008	11/21/2022	Chromium-51	-6.42E+00	9.46E+00	3.04E+01	pCi/L	U
1144	604619008	12/19/2022	Chromium-51	-4.30E+00	1.15E+01	3.87E+01	pCi/L	U
1144	567643002	1/18/2022	Cobalt-57	6.08E-02	7.39E-01	2.43E+00	pCi/L	U
1144	570264002	2/14/2022	Cobalt-57	-1.55E-01	4.17E-01	1.42E+00	pCi/L	U
1144	573043008	3/14/2022	Cobalt-57	2.15E+00	1.38E+00	4.94E+00	pCi/L	U
1144	576091002	4/11/2022	Cobalt-57	7.37E-01	8.05E-01	2.62E+00	pCi/L	U
1144	579261008	5/9/2022	Cobalt-57	-4.09E-01	6.80E-01	2.30E+00	pCi/L	U
1144	581945002	6/6/2022	Cobalt-57	-1.73E+00	1.24E+00	3.43E+00	pCi/L	U
1144	584821008	7/4/2022	Cobalt-57	-1.04E+00	9.42E-01	3.03E+00	pCi/L	U
1144	587888008	8/1/2022	Cobalt-57	-9.10E-01	8.66E-01	2.62E+00	pCi/L	U
1144	590547009	8/29/2022	Cobalt-57	-7.55E-01	9.21E-01	2.85E+00	pCi/L	U
1144	594423007	9/26/2022	Cobalt-57	8.68E-02	9.69E-01	3.18E+00	pCi/L	U
1144	597936008	10/24/2022	Cobalt-57	2.04E-01	8.74E-01	2.86E+00	pCi/L	U
1144	601450008	11/21/2022	Cobalt-57	1.09E+00	8.92E-01	3.00E+00	pCi/L	U
1144	604619008	12/19/2022	Cobalt-57	5.80E-01	9.77E-01	3.28E+00	pCi/L	U
1144	567643002	1/18/2022	Cobalt-58	-1.44E+00	1.02E+00	3.09E+00	pCi/L	U
1144	570264002	2/14/2022	Cobalt-58	-1.73E-02	7.07E-01	2.39E+00	pCi/L	U
1144	573043008	3/14/2022	Cobalt-58	-2.60E-01	1.55E+00	4.90E+00	pCi/L	U
1144	576091002	4/11/2022	Cobalt-58	9.68E-01	9.13E-01	2.85E+00	pCi/L	U
1144	579261008	5/9/2022	Cobalt-58	7.43E-01	8.19E-01	2.57E+00	pCi/L	U
1144	581945002	6/6/2022	Cobalt-58	-1.37E+00	1.34E+00	3.14E+00	pCi/L	U
1144	584821008	7/4/2022	Cobalt-58	-3.20E-01	9.68E-01	3.10E+00	pCi/L	U
1144	587888008	8/1/2022	Cobalt-58	-1.68E+00	9.61E-01	2.70E+00	pCi/L	U
1144	590547009	8/29/2022	Cobalt-58	-2.27E-01	8.08E-01	2.64E+00	pCi/L	U
1144	594423007	9/26/2022	Cobalt-58	-1.16E+00	1.37E+00	4.05E+00	pCi/L	U
1144	597936008	10/24/2022	Cobalt-58	1.58E+00	9.89E-01	3.75E+00	pCi/L	U
1144	601450008	11/21/2022	Cobalt-58	-5.37E-01	9.11E-01	2.66E+00	pCi/L	U
1144	604619008	12/19/2022	Cobalt-58	-4.89E-02	1.17E+00	3.77E+00	pCi/L	U
1144	567643002	1/18/2022	Cobalt-60	-2.08E-01	1.14E+00	3.73E+00	pCi/L	U
1144	570264002	2/14/2022	Cobalt-60	7.42E-01	7.51E-01	2.61E+00	pCi/L	U
1144	573043008	3/14/2022	Cobalt-60	-2.18E+00	2.02E+00	5.62E+00	pCi/L	U
1144	576091002	4/11/2022	Cobalt-60	1.60E-01	8.21E-01	2.76E+00	pCi/L	U
1144	579261008	5/9/2022	Cobalt-60	5.46E-01	8.18E-01	2.89E+00	pCi/L	U
1144	581945002	6/6/2022	Cobalt-60	-2.83E-01	1.37E+00	4.42E+00	pCi/L	U
1144	584821008	7/4/2022	Cobalt-60	7.84E-01	1.08E+00	3.78E+00	pCi/L	U
1144	587888008	8/1/2022	Cobalt-60	2.06E+00	1.16E+00	4.49E+00	pCi/L	U
1144	590547009	8/29/2022	Cobalt-60	4.60E-01	1.39E+00	4.68E+00	pCi/L	U
1144	594423007	9/26/2022	Cobalt-60	1.18E+00	1.62E+00	5.73E+00	pCi/L	U
1144	597936008	10/24/2022	Cobalt-60	-3.27E-01	1.07E+00	3.37E+00	pCi/L	U
1144	601450008	11/21/2022	Cobalt-60	6.70E-01	1.04E+00	3.70E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1144	604619008	12/19/2022	Cobalt-60	4.14E-01	9.51E-01	3.37E+00	pCi/L	U
1144	567643002	1/18/2022	Iodine-131	1.02E-01	1.65E+00	5.34E+00	pCi/L	U
1144	570264002	2/14/2022	Iodine-131	2.34E-01	1.24E+00	4.11E+00	pCi/L	U
1144	573043008	3/14/2022	Iodine-131	3.57E+00	4.04E+00	1.36E+01	pCi/L	U
1144	576091002	4/11/2022	Iodine-131	-1.70E+00	1.74E+00	5.53E+00	pCi/L	U
1144	579261008	5/9/2022	Iodine-131	-7.23E-01	1.74E+00	5.55E+00	pCi/L	U
1144	581945002	6/6/2022	Iodine-131	-4.24E-01	2.01E+00	6.75E+00	pCi/L	U
1144	584821008	7/4/2022	Iodine-131	-1.12E+00	1.53E+00	4.59E+00	pCi/L	U
1144	587888008	8/1/2022	Iodine-131	-1.19E+00	2.34E+00	7.54E+00	pCi/L	U
1144	590547009	8/29/2022	Iodine-131	-8.70E-01	1.44E+00	4.62E+00	pCi/L	U
1144	594423007	9/26/2022	Iodine-131	-1.44E+00	1.66E+00	5.10E+00	pCi/L	U
1144	597936008	10/24/2022	Iodine-131	8.45E-01	1.43E+00	5.01E+00	pCi/L	U
1144	601450008	11/21/2022	Iodine-131	5.69E-01	1.90E+00	6.47E+00	pCi/L	U
1144	604619008	12/19/2022	Iodine-131	-2.24E+00	2.69E+00	8.76E+00	pCi/L	U
1144	567643002	1/18/2022	Iron-59	2.60E+00	2.22E+00	7.83E+00	pCi/L	U
1144	570264002	2/14/2022	Iron-59	-2.86E+00	1.68E+00	5.13E+00	pCi/L	U
1144	573043008	3/14/2022	Iron-59	4.85E+00	3.31E+00	1.34E+01	pCi/L	U
1144	576091002	4/11/2022	Iron-59	-1.67E+00	1.72E+00	5.34E+00	pCi/L	U
1144	579261008	5/9/2022	Iron-59	1.63E+00	1.78E+00	6.10E+00	pCi/L	U
1144	581945002	6/6/2022	Iron-59	-1.97E+00	3.21E+00	1.03E+01	pCi/L	U
1144	584821008	7/4/2022	Iron-59	-9.12E-01	1.98E+00	5.20E+00	pCi/L	U
1144	587888008	8/1/2022	Iron-59	-9.04E-01	2.31E+00	7.35E+00	pCi/L	U
1144	590547009	8/29/2022	Iron-59	-1.37E-01	1.84E+00	6.00E+00	pCi/L	U
1144	594423007	9/26/2022	Iron-59	-2.46E-01	2.45E+00	8.05E+00	pCi/L	U
1144	597936008	10/24/2022	Iron-59	-9.73E-01	2.11E+00	6.68E+00	pCi/L	U
1144	601450008	11/21/2022	Iron-59	1.78E+00	2.07E+00	7.53E+00	pCi/L	U
1144	604619008	12/19/2022	Iron-59	7.43E-01	2.50E+00	8.70E+00	pCi/L	U
1144	567643002	1/18/2022	Lanthanum-140	7.32E-01	1.84E+00	6.20E+00	pCi/L	U
1144	570264002	2/14/2022	Lanthanum-140	-7.63E-01	1.54E+00	4.83E+00	pCi/L	U
1144	573043008	3/14/2022	Lanthanum-140	-2.80E+00	4.26E+00	1.24E+01	pCi/L	U
1144	576091002	4/11/2022	Lanthanum-140	-2.10E+00	1.58E+00	4.40E+00	pCi/L	U
1144	579261008	5/9/2022	Lanthanum-140	5.08E-01	1.63E+00	5.52E+00	pCi/L	U
1144	581945002	6/6/2022	Lanthanum-140	-3.18E+00	2.41E+00	6.42E+00	pCi/L	U
1144	584821008	7/4/2022	Lanthanum-140	-2.20E+00	1.55E+00	3.82E+00	pCi/L	U
1144	587888008	8/1/2022	Lanthanum-140	1.17E+00	2.64E+00	8.91E+00	pCi/L	U
1144	590547009	8/29/2022	Lanthanum-140	9.07E-01	1.59E+00	5.73E+00	pCi/L	U
1144	594423007	9/26/2022	Lanthanum-140	-7.35E-01	1.66E+00	5.17E+00	pCi/L	U
1144	597936008	10/24/2022	Lanthanum-140	-5.49E-01	1.81E+00	5.63E+00	pCi/L	U
1144	601450008	11/21/2022	Lanthanum-140	1.22E+00	1.79E+00	6.40E+00	pCi/L	U
1144	604619008	12/19/2022	Lanthanum-140	1.20E+00	2.40E+00	8.39E+00	pCi/L	U
1144	567643002	1/18/2022	Lead-210	1.85E+02	1.77E+02	5.67E+02	pCi/L	U
1144	570264002	2/14/2022	Lead-210	-4.14E+01	2.03E+01	5.19E+01	pCi/L	U
1144	573043008	3/14/2022	Lead-210	5.75E+02	2.56E+02	9.80E+02	pCi/L	U
1144	576091002	4/11/2022	Lead-210	4.03E+00	2.27E+02	7.40E+02	pCi/L	U
1144	579261008	5/9/2022	Lead-210	-2.50E+01	2.56E+02	6.70E+02	pCi/L	U
1144	581945002	6/6/2022	Lead-210	8.62E+02	5.90E+02	2.14E+03	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	584821008	7/4/2022	Lead-210	-3.87E+01	4.22E+01	1.30E+02	pCi/L	U
1144	587888008	8/1/2022	Lead-210	-1.09E+02	6.43E+01	1.80E+02	pCi/L	U
1144	590547009	8/29/2022	Lead-210	-1.70E+02	1.36E+02	4.16E+02	pCi/L	U
1144	594423007	9/26/2022	Lead-210	-3.94E+02	4.32E+02	1.29E+03	pCi/L	U
1144	597936008	10/24/2022	Lead-210	-8.07E+01	1.76E+02	5.70E+02	pCi/L	U
1144	601450008	11/21/2022	Lead-210	3.39E+02	1.51E+02	2.23E+02	pCi/L	UI
1144	604619008	12/19/2022	Lead-210	-2.16E+02	1.73E+02	5.18E+02	pCi/L	U
1144	567643002	1/18/2022	Lead-212	1.18E+00	3.50E+00	6.44E+00	pCi/L	U
1144	570264002	2/14/2022	Lead-212	-1.81E+00	1.71E+00	4.61E+00	pCi/L	U
1144	573043008	3/14/2022	Lead-212	3.78E-01	4.00E+00	1.28E+01	pCi/L	U
1144	576091002	4/11/2022	Lead-212	2.27E+00	4.45E+00	6.37E+00	pCi/L	U
1144	579261008	5/9/2022	Lead-212	-1.02E-01	2.40E+00	6.49E+00	pCi/L	U
1144	581945002	6/6/2022	Lead-212	1.98E+00	4.95E+00	8.31E+00	pCi/L	U
1144	584821008	7/4/2022	Lead-212	2.71E+00	4.49E+00	9.53E+00	pCi/L	U
1144	587888008	8/1/2022	Lead-212	4.54E+00	3.96E+00	7.66E+00	pCi/L	U
1144	590547009	8/29/2022	Lead-212	2.13E+00	3.23E+00	6.64E+00	pCi/L	U
1144	594423007	9/26/2022	Lead-212	2.77E+00	4.06E+00	8.70E+00	pCi/L	U
1144	597936008	10/24/2022	Lead-212	5.79E+00	3.71E+00	6.49E+00	pCi/L	U
1144	601450008	11/21/2022	Lead-212	-4.99E+00	2.02E+00	6.08E+00	pCi/L	U
1144	604619008	12/19/2022	Lead-212	2.03E+00	2.95E+00	8.13E+00	pCi/L	U
1144	567643002	1/18/2022	Lead-214	5.48E-01	2.66E+00	7.75E+00	pCi/L	U
1144	570264002	2/14/2022	Lead-214	6.38E-01	2.94E+00	5.32E+00	pCi/L	U
1144	573043008	3/14/2022	Lead-214	-7.04E-01	5.07E+00	1.61E+01	pCi/L	U
1144	576091002	4/11/2022	Lead-214	7.07E+00	3.47E+00	6.74E+00	pCi/L	UI
1144	579261008	5/9/2022	Lead-214	7.60E+00	3.91E+00	5.99E+00	pCi/L	UI
1144	581945002	6/6/2022	Lead-214	1.42E+00	3.65E+00	1.04E+01	pCi/L	U
1144	584821008	7/4/2022	Lead-214	-5.13E+00	2.73E+00	7.79E+00	pCi/L	U
1144	587888008	8/1/2022	Lead-214	1.28E+00	3.48E+00	7.81E+00	pCi/L	U
1144	590547009	8/29/2022	Lead-214	3.60E-01	2.63E+00	7.55E+00	pCi/L	U
1144	594423007	9/26/2022	Lead-214	-5.63E+00	3.42E+00	9.95E+00	pCi/L	U
1144	597936008	10/24/2022	Lead-214	8.19E+00	3.94E+00	1.10E+01	pCi/L	U
1144	601450008	11/21/2022	Lead-214	6.64E+00	3.42E+00	8.72E+00	pCi/L	U
1144	604619008	12/19/2022	Lead-214	3.97E+00	2.71E+00	9.90E+00	pCi/L	U
1144	567643002	1/18/2022	Manganese-54	-3.67E-01	9.24E-01	3.00E+00	pCi/L	U
1144	570264002	2/14/2022	Manganese-54	5.09E-01	7.35E-01	2.55E+00	pCi/L	U
1144	573043008	3/14/2022	Manganese-54	-2.02E+00	1.60E+00	4.17E+00	pCi/L	U
1144	576091002	4/11/2022	Manganese-54	-7.96E-01	8.33E-01	2.44E+00	pCi/L	U
1144	579261008	5/9/2022	Manganese-54	-1.02E+00	7.92E-01	2.41E+00	pCi/L	U
1144	581945002	6/6/2022	Manganese-54	6.91E-01	1.27E+00	4.33E+00	pCi/L	U
1144	584821008	7/4/2022	Manganese-54	-1.54E+00	1.20E+00	3.54E+00	pCi/L	U
1144	587888008	8/1/2022	Manganese-54	4.30E-01	1.04E+00	3.62E+00	pCi/L	U
1144	590547009	8/29/2022	Manganese-54	-7.93E-01	1.17E+00	3.72E+00	pCi/L	U
1144	594423007	9/26/2022	Manganese-54	6.83E-01	1.44E+00	4.88E+00	pCi/L	U
1144	597936008	10/24/2022	Manganese-54	2.73E-01	1.08E+00	3.53E+00	pCi/L	U
1144	601450008	11/21/2022	Manganese-54	-1.19E+00	9.38E-01	2.80E+00	pCi/L	U
1144	604619008	12/19/2022	Manganese-54	-1.22E+00	1.04E+00	2.91E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1144	567643002	1/18/2022	Molybdenum-99	-1.10E+02	6.83E+01	1.52E+02	pCi/L	U
1144	570264002	2/14/2022	Molybdenum-99	6.84E+01	4.67E+01	1.68E+02	pCi/L	U
1144	573043008	3/14/2022	Molybdenum-99	4.27E+02	2.51E+02	9.53E+02	pCi/L	U
1144	576091002	4/11/2022	Molybdenum-99	4.20E+01	5.53E+01	1.88E+02	pCi/L	U
1144	579261008	5/9/2022	Molybdenum-99	-5.14E+01	5.72E+01	1.81E+02	pCi/L	U
1144	581945002	6/6/2022	Molybdenum-99	5.15E+01	4.33E+01	1.55E+02	pCi/L	U
1144	584821008	7/4/2022	Molybdenum-99	-3.87E+00	2.22E+01	6.47E+01	pCi/L	U
1144	587888008	8/1/2022	Molybdenum-99	1.05E+01	1.33E+02	4.05E+02	pCi/L	U
1144	590547009	8/29/2022	Molybdenum-99	-1.52E+01	2.45E+01	7.27E+01	pCi/L	U
1144	594423007	9/26/2022	Molybdenum-99	9.82E+00	2.25E+01	7.68E+01	pCi/L	U
1144	597936008	10/24/2022	Molybdenum-99	2.56E+01	1.92E+01	7.16E+01	pCi/L	U
1144	601450008	11/21/2022	Molybdenum-99	6.88E+01	7.87E+01	2.74E+02	pCi/L	U
1144	604619008	12/19/2022	Molybdenum-99	2.90E+02	8.96E+01	3.84E+02	pCi/L	U
1144	567643002	1/18/2022	Niobium-95	-2.85E-01	9.54E-01	3.16E+00	pCi/L	U
1144	570264002	2/14/2022	Niobium-95	3.03E-01	7.07E-01	2.44E+00	pCi/L	U
1144	573043008	3/14/2022	Niobium-95	6.47E-01	2.01E+00	6.76E+00	pCi/L	U
1144	576091002	4/11/2022	Niobium-95	9.16E-01	1.48E+00	2.54E+00	pCi/L	U
1144	579261008	5/9/2022	Niobium-95	6.23E-01	8.24E-01	2.85E+00	pCi/L	U
1144	581945002	6/6/2022	Niobium-95	-4.48E-01	1.28E+00	3.98E+00	pCi/L	U
1144	584821008	7/4/2022	Niobium-95	-2.84E-01	9.16E-01	2.95E+00	pCi/L	U
1144	587888008	8/1/2022	Niobium-95	6.16E-01	1.04E+00	3.48E+00	pCi/L	U
1144	590547009	8/29/2022	Niobium-95	-1.14E+00	9.48E-01	2.85E+00	pCi/L	U
1144	594423007	9/26/2022	Niobium-95	-4.52E-02	1.33E+00	4.33E+00	pCi/L	U
1144	597936008	10/24/2022	Niobium-95	-2.59E+00	1.33E+00	3.41E+00	pCi/L	U
1144	601450008	11/21/2022	Niobium-95	6.56E-02	1.07E+00	3.43E+00	pCi/L	U
1144	604619008	12/19/2022	Niobium-95	3.09E-02	1.20E+00	3.91E+00	pCi/L	U
1144	567643002	1/18/2022	Potassium-40	-2.94E+01	1.96E+01	4.36E+01	pCi/L	U
1144	570264002	2/14/2022	Potassium-40	1.68E+01	2.09E+01	2.71E+01	pCi/L	U
1144	573043008	3/14/2022	Potassium-40	-5.30E+01	2.43E+01	6.81E+01	pCi/L	U
1144	576091002	4/11/2022	Potassium-40	-1.16E+01	1.32E+01	4.06E+01	pCi/L	U
1144	579261008	5/9/2022	Potassium-40	-1.13E+01	1.15E+01	3.67E+01	pCi/L	U
1144	581945002	6/6/2022	Potassium-40	1.34E+01	2.42E+01	3.96E+01	pCi/L	U
1144	584821008	7/4/2022	Potassium-40	-4.04E+01	1.61E+01	5.81E+01	pCi/L	U
1144	587888008	8/1/2022	Potassium-40	1.15E+01	1.50E+01	5.75E+01	pCi/L	U
1144	590547009	8/29/2022	Potassium-40	1.98E+00	1.42E+01	4.71E+01	pCi/L	U
1144	594423007	9/26/2022	Potassium-40	-2.70E+01	1.75E+01	5.09E+01	pCi/L	U
1144	597936008	10/24/2022	Potassium-40	-1.68E+01	1.63E+01	5.20E+01	pCi/L	U
1144	601450008	11/21/2022	Potassium-40	-9.94E+00	1.43E+01	5.11E+01	pCi/L	U
1144	604619008	12/19/2022	Potassium-40	-7.11E+00	1.40E+01	4.47E+01	pCi/L	U
1144	567643002	1/18/2022	Radium-226	5.51E+01	3.31E+01	5.19E+01	pCi/L	UI
1144	570264002	2/14/2022	Radium-226	-6.94E+00	1.85E+01	5.01E+01	pCi/L	U
1144	573043008	3/14/2022	Radium-226	2.24E+01	6.00E+01	9.95E+01	pCi/L	U
1144	576091002	4/11/2022	Radium-226	1.81E+01	4.37E+01	5.68E+01	pCi/L	U
1144	579261008	5/9/2022	Radium-226	7.04E+01	4.02E+01	5.41E+01	pCi/L	UI
1144	581945002	6/6/2022	Radium-226	-3.76E+01	3.90E+01	1.26E+02	pCi/L	U
1144	584821008	7/4/2022	Radium-226	-8.02E+01	2.80E+01	8.40E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	587888008	8/1/2022	Radium-226	4.25E+01	3.15E+01	6.38E+01	pCi/L	U
1144	590547009	8/29/2022	Radium-226	8.23E+01	4.26E+01	7.56E+01	pCi/L	UI
1144	594423007	9/26/2022	Radium-226	2.98E+01	4.10E+01	7.14E+01	pCi/L	U
1144	597936008	10/24/2022	Radium-226	1.33E+01	2.96E+01	9.77E+01	pCi/L	U
1144	601450008	11/21/2022	Radium-226	-1.54E+01	3.04E+01	9.86E+01	pCi/L	U
1144	604619008	12/19/2022	Radium-226	4.40E+01	4.21E+01	8.12E+01	pCi/L	U
1144	567643002	1/18/2022	Radium-228	7.37E+00	4.13E+00	1.52E+01	pCi/L	U
1144	570264002	2/14/2022	Radium-228	-7.13E+00	5.56E+00	1.12E+01	pCi/L	U
1144	573043008	3/14/2022	Radium-228	-1.30E+01	9.61E+00	2.79E+01	pCi/L	U
1144	576091002	4/11/2022	Radium-228	-4.30E+00	3.95E+00	1.14E+01	pCi/L	U
1144	579261008	5/9/2022	Radium-228	5.33E-01	4.53E+00	1.36E+01	pCi/L	U
1144	581945002	6/6/2022	Radium-228	5.75E+00	5.64E+00	2.01E+01	pCi/L	U
1144	584821008	7/4/2022	Radium-228	-6.49E+00	5.03E+00	1.61E+01	pCi/L	U
1144	587888008	8/1/2022	Radium-228	-6.22E+00	4.52E+00	1.31E+01	pCi/L	U
1144	590547009	8/29/2022	Radium-228	3.00E+00	7.11E+00	1.76E+01	pCi/L	U
1144	594423007	9/26/2022	Radium-228	-7.01E-01	5.35E+00	1.69E+01	pCi/L	U
1144	597936008	10/24/2022	Radium-228	-7.42E+00	5.47E+00	1.61E+01	pCi/L	U
1144	601450008	11/21/2022	Radium-228	1.98E+00	4.60E+00	1.35E+01	pCi/L	U
1144	604619008	12/19/2022	Radium-228	-1.61E+00	5.77E+00	1.79E+01	pCi/L	U
1144	567643002	1/18/2022	Ruthenium-103	2.46E-02	9.94E-01	3.34E+00	pCi/L	U
1144	570264002	2/14/2022	Ruthenium-103	-3.41E-01	7.90E-01	2.52E+00	pCi/L	U
1144	573043008	3/14/2022	Ruthenium-103	1.75E+00	2.03E+00	7.28E+00	pCi/L	U
1144	576091002	4/11/2022	Ruthenium-103	4.42E-01	7.68E-01	2.37E+00	pCi/L	U
1144	579261008	5/9/2022	Ruthenium-103	-1.39E+00	1.02E+00	3.03E+00	pCi/L	U
1144	581945002	6/6/2022	Ruthenium-103	-2.79E+00	1.42E+00	4.02E+00	pCi/L	U
1144	584821008	7/4/2022	Ruthenium-103	1.66E+00	8.94E-01	3.27E+00	pCi/L	U
1144	587888008	8/1/2022	Ruthenium-103	-2.51E+00	1.24E+00	3.46E+00	pCi/L	U
1144	590547009	8/29/2022	Ruthenium-103	2.70E+00	1.94E+00	3.96E+00	pCi/L	U
1144	594423007	9/26/2022	Ruthenium-103	4.06E-01	1.21E+00	3.95E+00	pCi/L	U
1144	597936008	10/24/2022	Ruthenium-103	1.54E-01	1.17E+00	3.91E+00	pCi/L	U
1144	601450008	11/21/2022	Ruthenium-103	4.62E-01	1.27E+00	3.84E+00	pCi/L	U
1144	604619008	12/19/2022	Ruthenium-103	7.08E-01	1.35E+00	4.68E+00	pCi/L	U
1144	567643002	1/18/2022	Ruthenium-106	1.16E+01	8.34E+00	2.97E+01	pCi/L	U
1144	570264002	2/14/2022	Ruthenium-106	-5.89E+00	6.12E+00	1.87E+01	pCi/L	U
1144	573043008	3/14/2022	Ruthenium-106	-1.35E-01	1.40E+01	4.63E+01	pCi/L	U
1144	576091002	4/11/2022	Ruthenium-106	2.66E+00	7.29E+00	2.31E+01	pCi/L	U
1144	579261008	5/9/2022	Ruthenium-106	1.99E+01	1.26E+01	2.36E+01	pCi/L	U
1144	581945002	6/6/2022	Ruthenium-106	-4.26E+00	1.16E+01	3.67E+01	pCi/L	U
1144	584821008	7/4/2022	Ruthenium-106	2.04E+00	9.39E+00	3.22E+01	pCi/L	U
1144	587888008	8/1/2022	Ruthenium-106	-8.47E-01	6.84E+00	2.17E+01	pCi/L	U
1144	590547009	8/29/2022	Ruthenium-106	1.22E+01	9.84E+00	3.50E+01	pCi/L	U
1144	594423007	9/26/2022	Ruthenium-106	-4.70E+00	1.26E+01	4.10E+01	pCi/L	U
1144	597936008	10/24/2022	Ruthenium-106	1.67E+00	9.61E+00	3.18E+01	pCi/L	U
1144	601450008	11/21/2022	Ruthenium-106	3.38E+01	2.15E+01	2.91E+01	pCi/L	UI
1144	604619008	12/19/2022	Ruthenium-106	1.83E+01	1.05E+01	3.92E+01	pCi/L	U
1144	567643002	1/18/2022	Selenium-75	5.75E-01	1.09E+00	3.73E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1144	570264002	2/14/2022	Selenium-75	4.99E-01	8.25E-01	2.79E+00	pCi/L	U
1144	573043008	3/14/2022	Selenium-75	1.01E+00	2.32E+00	7.60E+00	pCi/L	U
1144	576091002	4/11/2022	Selenium-75	9.67E-01	1.09E+00	3.81E+00	pCi/L	U
1144	579261008	5/9/2022	Selenium-75	-2.35E+00	1.32E+00	3.30E+00	pCi/L	U
1144	581945002	6/6/2022	Selenium-75	7.39E-01	1.90E+00	6.12E+00	pCi/L	U
1144	584821008	7/4/2022	Selenium-75	-1.49E+00	1.34E+00	4.01E+00	pCi/L	U
1144	587888008	8/1/2022	Selenium-75	6.77E-01	1.28E+00	4.44E+00	pCi/L	U
1144	590547009	8/29/2022	Selenium-75	-1.41E+00	1.48E+00	4.82E+00	pCi/L	U
1144	594423007	9/26/2022	Selenium-75	4.82E-01	1.53E+00	5.25E+00	pCi/L	U
1144	597936008	10/24/2022	Selenium-75	-2.17E-01	1.20E+00	4.07E+00	pCi/L	U
1144	601450008	11/21/2022	Selenium-75	-2.27E+00	1.37E+00	3.96E+00	pCi/L	U
1144	604619008	12/19/2022	Selenium-75	-5.01E-01	1.69E+00	5.23E+00	pCi/L	U
1144	567643002	1/18/2022	Silver-108m	-4.88E-01	9.47E-01	2.55E+00	pCi/L	U
1144	570264002	2/14/2022	Silver-108m	-5.54E-01	5.98E-01	1.89E+00	pCi/L	U
1144	573043008	3/14/2022	Silver-108m	1.50E+00	1.48E+00	5.41E+00	pCi/L	U
1144	576091002	4/11/2022	Silver-108m	-8.19E-01	6.87E-01	2.12E+00	pCi/L	U
1144	579261008	5/9/2022	Silver-108m	-8.06E-01	7.38E-01	2.24E+00	pCi/L	U
1144	581945002	6/6/2022	Silver-108m	8.87E-01	1.18E+00	4.19E+00	pCi/L	U
1144	584821008	7/4/2022	Silver-108m	1.48E+00	7.78E-01	2.86E+00	pCi/L	U
1144	587888008	8/1/2022	Silver-108m	-1.05E+00	9.73E-01	2.76E+00	pCi/L	U
1144	590547009	8/29/2022	Silver-108m	1.60E-01	8.20E-01	2.75E+00	pCi/L	U
1144	594423007	9/26/2022	Silver-108m	1.70E-01	1.09E+00	3.55E+00	pCi/L	U
1144	597936008	10/24/2022	Silver-108m	1.69E+00	9.86E-01	3.67E+00	pCi/L	U
1144	601450008	11/21/2022	Silver-108m	-9.61E-02	9.41E-01	3.08E+00	pCi/L	U
1144	604619008	12/19/2022	Silver-108m	1.07E+00	1.07E+00	3.51E+00	pCi/L	U
1144	567643002	1/18/2022	Silver-110m	9.85E+00	5.42E+00	4.58E+00	pCi/L	UI
1144	570264002	2/14/2022	Silver-110m	-6.83E-01	9.89E-01	3.23E+00	pCi/L	U
1144	573043008	3/14/2022	Silver-110m	3.84E+00	2.68E+00	1.00E+01	pCi/L	U
1144	576091002	4/11/2022	Silver-110m	-2.78E-01	1.02E+00	3.40E+00	pCi/L	U
1144	579261008	5/9/2022	Silver-110m	-1.81E+00	1.06E+00	3.07E+00	pCi/L	U
1144	581945002	6/6/2022	Silver-110m	-1.58E-01	2.01E+00	6.38E+00	pCi/L	U
1144	584821008	7/4/2022	Silver-110m	5.67E-01	1.40E+00	4.78E+00	pCi/L	U
1144	587888008	8/1/2022	Silver-110m	-1.98E-01	1.29E+00	3.75E+00	pCi/L	U
1144	590547009	8/29/2022	Silver-110m	-2.30E+00	1.36E+00	3.75E+00	pCi/L	U
1144	594423007	9/26/2022	Silver-110m	-2.50E+00	1.70E+00	4.41E+00	pCi/L	U
1144	597936008	10/24/2022	Silver-110m	-1.25E+00	1.58E+00	4.99E+00	pCi/L	U
1144	601450008	11/21/2022	Silver-110m	-1.18E-01	1.44E+00	4.84E+00	pCi/L	U
1144	604619008	12/19/2022	Silver-110m	1.65E+00	1.66E+00	5.83E+00	pCi/L	U
1144	567643002	1/18/2022	Tellurium-132	-6.32E+00	3.09E+00	9.64E+00	pCi/L	U
1144	570264002	2/14/2022	Tellurium-132	-1.44E+00	3.06E+00	1.02E+01	pCi/L	U
1144	573043008	3/14/2022	Tellurium-132	-2.88E+01	1.62E+01	4.60E+01	pCi/L	U
1144	576091002	4/11/2022	Tellurium-132	-5.88E+00	5.31E+00	1.74E+01	pCi/L	U
1144	579261008	5/9/2022	Tellurium-132	9.33E-02	4.69E+00	1.56E+01	pCi/L	U
1144	581945002	6/6/2022	Tellurium-132	6.99E-01	3.80E+00	1.21E+01	pCi/L	U
1144	584821008	7/4/2022	Tellurium-132	-4.28E-01	2.14E+00	6.87E+00	pCi/L	U
1144	587888008	8/1/2022	Tellurium-132	6.78E+00	9.03E+00	3.19E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	590547009	8/29/2022	Tellurium-132	2.57E+00	1.98E+00	7.22E+00	pCi/L	U
1144	594423007	9/26/2022	Tellurium-132	-1.78E-01	1.83E+00	6.23E+00	pCi/L	U
1144	597936008	10/24/2022	Tellurium-132	-3.32E+00	2.61E+00	7.52E+00	pCi/L	U
1144	601450008	11/21/2022	Tellurium-132	-1.26E+01	6.66E+00	1.89E+01	pCi/L	U
1144	604619008	12/19/2022	Tellurium-132	-1.68E+01	9.24E+00	2.63E+01	pCi/L	U
1144	567643002	1/18/2022	Thallium-208	-1.03E+00	1.31E+00	3.72E+00	pCi/L	U
1144	570264002	2/14/2022	Thallium-208	7.13E-01	1.76E+00	2.25E+00	pCi/L	U
1144	573043008	3/14/2022	Thallium-208	3.64E+00	3.30E+00	5.29E+00	pCi/L	U
1144	576091002	4/11/2022	Thallium-208	1.20E+00	1.95E+00	2.34E+00	pCi/L	U
1144	579261008	5/9/2022	Thallium-208	1.44E+00	2.10E+00	2.51E+00	pCi/L	U
1144	581945002	6/6/2022	Thallium-208	3.27E+00	2.34E+00	4.33E+00	pCi/L	U
1144	584821008	7/4/2022	Thallium-208	2.65E+00	1.99E+00	3.15E+00	pCi/L	U
1144	587888008	8/1/2022	Thallium-208	1.41E+00	1.74E+00	3.41E+00	pCi/L	U
1144	590547009	8/29/2022	Thallium-208	1.48E+00	2.25E+00	3.65E+00	pCi/L	U
1144	594423007	9/26/2022	Thallium-208	2.72E-01	1.69E+00	5.70E+00	pCi/L	U
1144	597936008	10/24/2022	Thallium-208	3.02E+00	3.15E+00	3.98E+00	pCi/L	U
1144	601450008	11/21/2022	Thallium-208	-8.09E-02	1.27E+00	4.03E+00	pCi/L	U
1144	604619008	12/19/2022	Thallium-208	7.57E+00	2.23E+00	3.03E+00	pCi/L	UI
1144	567643002	1/18/2022	Thorium-228	1.18E+00	3.50E+00	6.44E+00	pCi/L	U
1144	570264002	2/14/2022	Thorium-228	-1.81E+00	1.71E+00	4.61E+00	pCi/L	U
1144	573043008	3/14/2022	Thorium-228	3.78E-01	4.00E+00	1.28E+01	pCi/L	U
1144	576091002	4/11/2022	Thorium-228	2.27E+00	4.45E+00	6.37E+00	pCi/L	U
1144	579261008	5/9/2022	Thorium-228	-1.02E-01	2.40E+00	6.49E+00	pCi/L	U
1144	581945002	6/6/2022	Thorium-228	1.98E+00	4.95E+00	8.31E+00	pCi/L	U
1144	584821008	7/4/2022	Thorium-228	2.71E+00	4.49E+00	9.53E+00	pCi/L	U
1144	587888008	8/1/2022	Thorium-228	4.54E+00	3.96E+00	7.66E+00	pCi/L	U
1144	590547009	8/29/2022	Thorium-228	2.13E+00	3.23E+00	6.64E+00	pCi/L	U
1144	594423007	9/26/2022	Thorium-228	2.77E+00	4.06E+00	8.70E+00	pCi/L	U
1144	597936008	10/24/2022	Thorium-228	5.79E+00	3.71E+00	6.49E+00	pCi/L	U
1144	601450008	11/21/2022	Thorium-228	-4.99E+00	2.02E+00	6.08E+00	pCi/L	U
1144	604619008	12/19/2022	Thorium-228	2.03E+00	2.95E+00	8.13E+00	pCi/L	U
1144	567643002	1/18/2022	Thorium-230	-4.94E+02	4.12E+02	1.26E+03	pCi/L	U
1144	570264002	2/14/2022	Thorium-230	8.06E+02	2.05E+02	3.70E+02	pCi/L	UI
1144	573043008	3/14/2022	Thorium-230	-5.82E+02	5.49E+02	1.79E+03	pCi/L	U
1144	576091002	4/11/2022	Thorium-230	-7.65E+02	5.26E+02	1.40E+03	pCi/L	U
1144	579261008	5/9/2022	Thorium-230	1.58E+03	5.61E+02	1.28E+03	pCi/L	UI
1144	581945002	6/6/2022	Thorium-230	2.50E+03	1.33E+03	2.35E+03	pCi/L	UI
1144	584821008	7/4/2022	Thorium-230	-3.55E+02	2.77E+02	8.57E+02	pCi/L	U
1144	587888008	8/1/2022	Thorium-230	-6.46E+02	3.16E+02	8.23E+02	pCi/L	U
1144	590547009	8/29/2022	Thorium-230	2.88E+03	8.13E+02	1.24E+03	pCi/L	UI
1144	594423007	9/26/2022	Thorium-230	3.20E+01	6.67E+02	2.18E+03	pCi/L	U
1144	597936008	10/24/2022	Thorium-230	-6.72E+02	4.34E+02	1.34E+03	pCi/L	U
1144	601450008	11/21/2022	Thorium-230	1.09E+03	6.60E+02	8.31E+02	pCi/L	UI
1144	604619008	12/19/2022	Thorium-230	9.44E+02	9.44E+02	1.40E+03	pCi/L	U
1144	567643002	1/18/2022	Thorium-232	8.63E+03	2.21E+03	2.38E+03	pCi/L	UI
1144	570264002	2/14/2022	Thorium-232	7.12E+02	3.32E+02	5.55E+02	pCi/L	UI

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	573043008	3/14/2022	Thorium-232	-6.38E+02	1.16E+03	3.91E+03	pCi/L	U
1144	576091002	4/11/2022	Thorium-232	1.97E+03	1.48E+03	2.34E+03	pCi/L	U
1144	579261008	5/9/2022	Thorium-232	1.90E+03	1.38E+03	2.12E+03	pCi/L	U
1144	581945002	6/6/2022	Thorium-232	8.39E+02	1.42E+03	4.34E+03	pCi/L	U
1144	584821008	7/4/2022	Thorium-232	-2.24E+02	4.61E+02	1.49E+03	pCi/L	U
1144	587888008	8/1/2022	Thorium-232	3.15E+01	7.12E+02	1.44E+03	pCi/L	U
1144	590547009	8/29/2022	Thorium-232	1.05E+03	1.19E+03	2.08E+03	pCi/L	U
1144	594423007	9/26/2022	Thorium-232	-2.01E+03	1.25E+03	3.89E+03	pCi/L	U
1144	597936008	10/24/2022	Thorium-232	1.52E+03	1.26E+03	2.42E+03	pCi/L	U
1144	601450008	11/21/2022	Thorium-232	3.56E+02	1.12E+03	1.69E+03	pCi/L	U
1144	604619008	12/19/2022	Thorium-232	-6.01E+01	8.73E+02	2.84E+03	pCi/L	U
1144	567643002	1/18/2022	Thorium-234	6.07E+02	1.55E+02	1.72E+02	pCi/L	UI
1144	570264002	2/14/2022	Thorium-234	5.01E+01	2.33E+01	5.33E+01	pCi/L	U
1144	573043008	3/14/2022	Thorium-234	-1.42E+02	8.61E+01	2.77E+02	pCi/L	U
1144	576091002	4/11/2022	Thorium-234	1.38E+02	1.04E+02	1.70E+02	pCi/L	U
1144	579261008	5/9/2022	Thorium-234	1.34E+02	9.67E+01	1.54E+02	pCi/L	U
1144	581945002	6/6/2022	Thorium-234	5.89E+01	9.99E+01	3.79E+02	pCi/L	U
1144	584821008	7/4/2022	Thorium-234	6.88E+00	3.23E+01	1.07E+02	pCi/L	U
1144	587888008	8/1/2022	Thorium-234	2.21E+00	5.00E+01	1.37E+02	pCi/L	U
1144	590547009	8/29/2022	Thorium-234	7.35E+01	8.34E+01	1.49E+02	pCi/L	U
1144	594423007	9/26/2022	Thorium-234	-3.68E+02	9.23E+01	2.51E+02	pCi/L	U
1144	597936008	10/24/2022	Thorium-234	1.06E+02	8.86E+01	1.74E+02	pCi/L	U
1144	601450008	11/21/2022	Thorium-234	2.50E+01	7.89E+01	1.21E+02	pCi/L	U
1144	604619008	12/19/2022	Thorium-234	-9.23E+01	6.51E+01	1.99E+02	pCi/L	U
1144	576887008	3/14/2022	Tritium	3.91E+02	2.30E+02	6.74E+02	pCi/L	U
1144	585634002	6/6/2022	Tritium	-2.45E+02	1.88E+02	6.56E+02	pCi/L	U
1144	600026007	9/26/2022	Tritium	2.31E+02	2.08E+02	6.63E+02	pCi/L	U
1144	609577008	12/19/2022	Tritium	4.43E+01	2.32E+02	7.58E+02	pCi/L	U
1144	567643002	1/18/2022	Uranium-234	1.48E+04	6.04E+03	8.65E+03	pCi/L	UI
1144	570264002	2/14/2022	Uranium-234	-4.13E+01	3.94E+02	1.25E+03	pCi/L	U
1144	573043008	3/14/2022	Uranium-234	7.21E+03	4.23E+03	1.58E+04	pCi/L	U
1144	576091002	4/11/2022	Uranium-234	7.78E+03	3.23E+03	1.15E+04	pCi/L	U
1144	579261008	5/9/2022	Uranium-234	9.81E+03	5.16E+03	1.00E+04	pCi/L	U
1144	581945002	6/6/2022	Uranium-234	1.35E+04	8.09E+03	2.94E+04	pCi/L	U
1144	584821008	7/4/2022	Uranium-234	4.75E+03	1.84E+03	3.10E+03	pCi/L	UI
1144	587888008	8/1/2022	Uranium-234	1.73E+03	1.59E+03	5.18E+03	pCi/L	U
1144	590547009	8/29/2022	Uranium-234	6.51E+02	2.75E+03	8.79E+03	pCi/L	U
1144	594423007	9/26/2022	Uranium-234	-6.05E+03	5.72E+03	1.72E+04	pCi/L	U
1144	597936008	10/24/2022	Uranium-234	2.18E+03	2.83E+03	9.78E+03	pCi/L	U
1144	601450008	11/21/2022	Uranium-234	1.05E+03	1.59E+03	5.37E+03	pCi/L	U
1144	604619008	12/19/2022	Uranium-234	-1.99E+03	2.76E+03	9.00E+03	pCi/L	U
1144	567643002	1/18/2022	Zinc-65	-5.90E+00	2.47E+00	6.48E+00	pCi/L	U
1144	570264002	2/14/2022	Zinc-65	-1.20E+00	1.60E+00	4.39E+00	pCi/L	U
1144	573043008	3/14/2022	Zinc-65	-1.80E+00	3.67E+00	9.80E+00	pCi/L	U
1144	576091002	4/11/2022	Zinc-65	-7.28E-01	1.69E+00	5.46E+00	pCi/L	U
1144	579261008	5/9/2022	Zinc-65	-4.82E-01	1.78E+00	4.83E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1144	581945002	6/6/2022	Zinc-65	2.28E+00	3.03E+00	1.10E+01	pCi/L	U
1144	584821008	7/4/2022	Zinc-65	-1.53E+00	1.88E+00	5.31E+00	pCi/L	U
1144	587888008	8/1/2022	Zinc-65	2.37E+00	2.24E+00	8.17E+00	pCi/L	U
1144	590547009	8/29/2022	Zinc-65	-8.51E-01	2.25E+00	7.10E+00	pCi/L	U
1144	594423007	9/26/2022	Zinc-65	-4.27E-01	3.24E+00	9.16E+00	pCi/L	U
1144	597936008	10/24/2022	Zinc-65	8.23E-01	2.25E+00	7.85E+00	pCi/L	U
1144	601450008	11/21/2022	Zinc-65	1.63E+00	2.48E+00	7.94E+00	pCi/L	U
1144	604619008	12/19/2022	Zinc-65	1.66E+00	2.31E+00	8.36E+00	pCi/L	U
1144	567643002	1/18/2022	Zirconium-95	-1.50E+00	1.75E+00	5.58E+00	pCi/L	U
1144	570264002	2/14/2022	Zirconium-95	-1.12E-01	1.23E+00	4.15E+00	pCi/L	U
1144	573043008	3/14/2022	Zirconium-95	-2.38E+00	3.05E+00	8.86E+00	pCi/L	U
1144	576091002	4/11/2022	Zirconium-95	-2.21E+00	1.39E+00	3.82E+00	pCi/L	U
1144	579261008	5/9/2022	Zirconium-95	-1.24E+00	1.49E+00	4.71E+00	pCi/L	U
1144	581945002	6/6/2022	Zirconium-95	2.80E-01	2.42E+00	7.95E+00	pCi/L	U
1144	584821008	7/4/2022	Zirconium-95	1.37E+00	1.72E+00	6.15E+00	pCi/L	U
1144	587888008	8/1/2022	Zirconium-95	2.53E+00	1.85E+00	6.67E+00	pCi/L	U
1144	590547009	8/29/2022	Zirconium-95	-3.08E+00	1.61E+00	4.36E+00	pCi/L	U
1144	594423007	9/26/2022	Zirconium-95	-1.45E+00	2.54E+00	7.87E+00	pCi/L	U
1144	597936008	10/24/2022	Zirconium-95	-1.20E-01	1.89E+00	6.03E+00	pCi/L	U
1144	601450008	11/21/2022	Zirconium-95	9.95E-02	1.94E+00	6.21E+00	pCi/L	U
1144	604619008	12/19/2022	Zirconium-95	-4.57E+00	2.48E+00	6.75E+00	pCi/L	U
1145	567643009	1/18/2022	Actinium-228	-2.78E+00	4.30E+00	1.19E+01	pCi/L	U
1145	570264009	2/14/2022	Actinium-228	-3.09E+00	2.89E+00	6.63E+00	pCi/L	U
1145	573043006	3/14/2022	Actinium-228	-2.32E+00	5.39E+00	1.57E+01	pCi/L	U
1145	576091007	4/11/2022	Actinium-228	3.33E+00	5.68E+00	1.72E+01	pCi/L	U
1145	579261006	5/9/2022	Actinium-228	3.76E+00	6.48E+00	1.32E+01	pCi/L	U
1145	581945007	6/6/2022	Actinium-228	-6.81E+00	6.01E+00	1.70E+01	pCi/L	U
1145	584821006	7/4/2022	Actinium-228	-9.80E-01	5.75E+00	1.63E+01	pCi/L	U
1145	587888006	8/1/2022	Actinium-228	6.09E-01	6.20E+00	1.82E+01	pCi/L	U
1145	590547007	8/29/2022	Actinium-228	3.88E+00	5.23E+00	1.77E+01	pCi/L	U
1145	594423005	9/26/2022	Actinium-228	4.99E+00	4.22E+00	1.15E+01	pCi/L	U
1145	597936006	10/24/2022	Actinium-228	-5.33E-01	6.47E+00	1.86E+01	pCi/L	U
1145	601450005	11/21/2022	Actinium-228	1.93E+00	5.50E+00	1.86E+01	pCi/L	U
1145	604619006	12/19/2022	Actinium-228	-5.61E+00	5.59E+00	1.63E+01	pCi/L	U
1145	567643009	1/18/2022	Americium-241	-3.82E-01	4.70E+00	1.45E+01	pCi/L	U
1145	570264009	2/14/2022	Americium-241	-9.83E-01	2.83E+00	8.73E+00	pCi/L	U
1145	573043006	3/14/2022	Americium-241	-5.37E+00	1.06E+01	3.07E+01	pCi/L	U
1145	576091007	4/11/2022	Americium-241	7.27E+00	1.19E+01	4.13E+01	pCi/L	U
1145	579261006	5/9/2022	Americium-241	-3.12E+00	8.38E+00	2.63E+01	pCi/L	U
1145	581945007	6/6/2022	Americium-241	3.74E+00	4.51E+00	1.56E+01	pCi/L	U
1145	584821006	7/4/2022	Americium-241	6.67E+00	6.44E+00	2.25E+01	pCi/L	U
1145	587888006	8/1/2022	Americium-241	-9.15E+00	1.30E+01	4.22E+01	pCi/L	U
1145	590547007	8/29/2022	Americium-241	2.63E-01	6.56E+00	2.03E+01	pCi/L	U
1145	594423005	9/26/2022	Americium-241	1.23E-02	4.13E+00	1.38E+01	pCi/L	U
1145	597936006	10/24/2022	Americium-241	5.59E+00	1.24E+01	3.99E+01	pCi/L	U
1145	601450005	11/21/2022	Americium-241	-6.65E+00	7.23E+00	2.08E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1145	604619006	12/19/2022	Americium-241	-1.09E+01	6.72E+00	2.06E+01	pCi/L	U
1145	567643009	1/18/2022	Antimony-124	-4.82E-01	1.73E+00	5.49E+00	pCi/L	U
1145	570264009	2/14/2022	Antimony-124	1.01E+00	1.15E+00	3.94E+00	pCi/L	U
1145	573043006	3/14/2022	Antimony-124	-7.88E+00	3.56E+00	8.33E+00	pCi/L	U
1145	576091007	4/11/2022	Antimony-124	-7.92E-01	2.97E+00	9.22E+00	pCi/L	U
1145	579261006	5/9/2022	Antimony-124	-3.05E+00	2.01E+00	5.70E+00	pCi/L	U
1145	581945007	6/6/2022	Antimony-124	-3.57E+00	1.88E+00	3.26E+00	pCi/L	U
1145	584821006	7/4/2022	Antimony-124	7.26E-01	2.96E+00	1.00E+01	pCi/L	U
1145	587888006	8/1/2022	Antimony-124	5.92E-01	3.60E+00	1.20E+01	pCi/L	U
1145	590547007	8/29/2022	Antimony-124	1.84E+00	1.24E+00	5.80E+00	pCi/L	U
1145	594423005	9/26/2022	Antimony-124	6.10E+00	4.63E+00	6.58E+00	pCi/L	U
1145	597936006	10/24/2022	Antimony-124	-2.16E+00	2.53E+00	6.64E+00	pCi/L	U
1145	601450005	11/21/2022	Antimony-124	-2.16E+00	2.76E+00	7.86E+00	pCi/L	U
1145	604619006	12/19/2022	Antimony-124	8.25E-02	2.31E+00	7.59E+00	pCi/L	U
1145	567643009	1/18/2022	Antimony-125	-5.47E-02	2.21E+00	7.45E+00	pCi/L	U
1145	570264009	2/14/2022	Antimony-125	7.74E-02	1.14E+00	3.83E+00	pCi/L	U
1145	573043006	3/14/2022	Antimony-125	2.93E-01	3.27E+00	9.83E+00	pCi/L	U
1145	576091007	4/11/2022	Antimony-125	1.17E+00	3.15E+00	1.09E+01	pCi/L	U
1145	579261006	5/9/2022	Antimony-125	7.12E-01	2.18E+00	7.09E+00	pCi/L	U
1145	581945007	6/6/2022	Antimony-125	-4.63E+00	2.75E+00	8.18E+00	pCi/L	U
1145	584821006	7/4/2022	Antimony-125	2.80E+00	3.05E+00	1.09E+01	pCi/L	U
1145	587888006	8/1/2022	Antimony-125	2.06E+00	3.38E+00	1.19E+01	pCi/L	U
1145	590547007	8/29/2022	Antimony-125	-1.14E+00	2.81E+00	9.06E+00	pCi/L	U
1145	594423005	9/26/2022	Antimony-125	-6.10E-01	1.94E+00	6.38E+00	pCi/L	U
1145	597936006	10/24/2022	Antimony-125	-1.28E+00	3.47E+00	1.14E+01	pCi/L	U
1145	601450005	11/21/2022	Antimony-125	1.76E+00	2.37E+00	8.53E+00	pCi/L	U
1145	604619006	12/19/2022	Antimony-125	-1.72E-01	2.86E+00	9.53E+00	pCi/L	U
1145	567643009	1/18/2022	Barium-140	1.57E+00	4.62E+00	1.41E+01	pCi/L	U
1145	570264009	2/14/2022	Barium-140	-2.50E+00	2.32E+00	7.36E+00	pCi/L	U
1145	573043006	3/14/2022	Barium-140	-6.17E+00	6.88E+00	1.97E+01	pCi/L	U
1145	576091007	4/11/2022	Barium-140	6.38E+00	7.85E+00	2.77E+01	pCi/L	U
1145	579261006	5/9/2022	Barium-140	-3.76E+00	4.11E+00	1.34E+01	pCi/L	U
1145	581945007	6/6/2022	Barium-140	1.96E+01	7.41E+00	1.50E+01	pCi/L	UI
1145	584821006	7/4/2022	Barium-140	-1.40E-01	4.86E+00	1.61E+01	pCi/L	U
1145	587888006	8/1/2022	Barium-140	7.40E+00	7.52E+00	2.70E+01	pCi/L	U
1145	590547007	8/29/2022	Barium-140	2.48E+00	3.89E+00	1.36E+01	pCi/L	U
1145	594423005	9/26/2022	Barium-140	-2.05E+00	2.91E+00	9.15E+00	pCi/L	U
1145	597936006	10/24/2022	Barium-140	6.17E-01	4.25E+00	1.43E+01	pCi/L	U
1145	601450005	11/21/2022	Barium-140	-4.50E-01	5.40E+00	1.79E+01	pCi/L	U
1145	604619006	12/19/2022	Barium-140	7.38E+00	5.68E+00	2.06E+01	pCi/L	U
1145	567643009	1/18/2022	Beryllium-7	-7.48E-01	6.45E+00	2.15E+01	pCi/L	U
1145	570264009	2/14/2022	Beryllium-7	-2.09E+00	3.71E+00	1.21E+01	pCi/L	U
1145	573043006	3/14/2022	Beryllium-7	-5.26E+00	1.02E+01	3.24E+01	pCi/L	U
1145	576091007	4/11/2022	Beryllium-7	1.03E+01	1.26E+01	4.46E+01	pCi/L	U
1145	579261006	5/9/2022	Beryllium-7	4.75E+00	6.85E+00	2.25E+01	pCi/L	U
1145	581945007	6/6/2022	Beryllium-7	6.18E+00	7.34E+00	2.61E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	584821006	7/4/2022	Beryllium-7	2.39E+00	9.91E+00	3.37E+01	pCi/L	U
1145	587888006	8/1/2022	Beryllium-7	1.00E+01	1.13E+01	4.05E+01	pCi/L	U
1145	590547007	8/29/2022	Beryllium-7	-1.03E+01	9.44E+00	2.85E+01	pCi/L	U
1145	594423005	9/26/2022	Beryllium-7	-8.66E+00	6.25E+00	1.90E+01	pCi/L	U
1145	597936006	10/24/2022	Beryllium-7	-2.04E+00	1.03E+01	3.41E+01	pCi/L	U
1145	601450005	11/21/2022	Beryllium-7	1.27E+01	9.40E+00	3.48E+01	pCi/L	U
1145	604619006	12/19/2022	Beryllium-7	5.03E+00	9.39E+00	3.23E+01	pCi/L	U
1145	567643009	1/18/2022	BETA	3.19E-01	8.69E-01	2.78E+00	pCi/L	U
1145	570264009	2/14/2022	BETA	1.22E+00	1.04E+00	3.20E+00	pCi/L	U
1145	573043006	3/14/2022	BETA	2.36E+00	9.70E-01	2.63E+00	pCi/L	U
1145	576091007	4/11/2022	BETA	1.61E+00	1.09E+00	3.37E+00	pCi/L	U
1145	579261006	5/9/2022	BETA	7.73E-01	7.98E-01	2.43E+00	pCi/L	U
1145	581945007	6/6/2022	BETA	1.07E+00	7.86E-01	2.28E+00	pCi/L	U
1145	584821006	7/4/2022	BETA	1.28E+00	9.76E-01	2.93E+00	pCi/L	U
1145	587888006	8/1/2022	BETA	-9.18E-01	6.83E-01	2.49E+00	pCi/L	U
1145	590547007	8/29/2022	BETA	2.14E+00	8.69E-01	2.51E+00	pCi/L	U
1145	594423005	9/26/2022	BETA	1.49E+00	7.53E-01	2.04E+00	pCi/L	U
1145	597936006	10/24/2022	BETA	1.25E+00	1.13E+00	3.47E+00	pCi/L	U
1145	601450005	11/21/2022	BETA	2.07E+00	8.84E-01	2.32E+00	pCi/L	U
1145	604619006	12/19/2022	BETA	1.60E+00	1.94E+00	2.85E+00	pCi/L	U
1145	567643009	1/18/2022	Bismuth-214	7.30E+00	3.40E+00	5.22E+00	pCi/L	U
1145	570264009	2/14/2022	Bismuth-214	1.84E-01	1.93E+00	2.94E+00	pCi/L	U
1145	573043006	3/14/2022	Bismuth-214	-5.24E-01	3.02E+00	9.26E+00	pCi/L	U
1145	576091007	4/11/2022	Bismuth-214	3.71E+00	4.26E+00	1.17E+01	pCi/L	U
1145	579261006	5/9/2022	Bismuth-214	1.27E+01	4.82E+00	9.27E+00	pCi/L	UI
1145	581945007	6/6/2022	Bismuth-214	1.15E+01	3.70E+00	8.51E+00	pCi/L	UI
1145	584821006	7/4/2022	Bismuth-214	1.30E+00	3.00E+00	9.00E+00	pCi/L	U
1145	587888006	8/1/2022	Bismuth-214	-4.91E-01	3.65E+00	1.13E+01	pCi/L	U
1145	590547007	8/29/2022	Bismuth-214	5.61E-01	2.34E+00	7.77E+00	pCi/L	U
1145	594423005	9/26/2022	Bismuth-214	2.89E+00	1.91E+00	6.29E+00	pCi/L	U
1145	597936006	10/24/2022	Bismuth-214	6.06E+00	3.73E+00	1.35E+01	pCi/L	U
1145	601450005	11/21/2022	Bismuth-214	6.60E+00	2.83E+00	5.20E+00	pCi/L	UI
1145	604619006	12/19/2022	Bismuth-214	6.72E+00	3.99E+00	9.66E+00	pCi/L	U
1145	567643009	1/18/2022	Cerium-141	-2.52E+00	1.58E+00	4.39E+00	pCi/L	U
1145	570264009	2/14/2022	Cerium-141	-1.71E+00	1.24E+00	2.62E+00	pCi/L	U
1145	573043006	3/14/2022	Cerium-141	1.80E+00	2.17E+00	7.31E+00	pCi/L	U
1145	576091007	4/11/2022	Cerium-141	3.63E+00	2.99E+00	9.21E+00	pCi/L	U
1145	579261006	5/9/2022	Cerium-141	-1.46E+00	1.89E+00	4.98E+00	pCi/L	U
1145	581945007	6/6/2022	Cerium-141	1.21E+00	1.49E+00	4.99E+00	pCi/L	U
1145	584821006	7/4/2022	Cerium-141	-3.16E-01	1.74E+00	5.55E+00	pCi/L	U
1145	587888006	8/1/2022	Cerium-141	-6.72E+00	2.99E+00	8.26E+00	pCi/L	U
1145	590547007	8/29/2022	Cerium-141	-1.04E+00	1.90E+00	5.90E+00	pCi/L	U
1145	594423005	9/26/2022	Cerium-141	-7.34E-01	1.35E+00	4.27E+00	pCi/L	U
1145	597936006	10/24/2022	Cerium-141	-8.31E-01	2.10E+00	6.68E+00	pCi/L	U
1145	601450005	11/21/2022	Cerium-141	2.70E-01	1.95E+00	6.39E+00	pCi/L	U
1145	604619006	12/19/2022	Cerium-141	-5.72E+00	2.31E+00	6.19E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1145	567643009	1/18/2022	Cerium-144	-1.40E+00	5.69E+00	1.83E+01	pCi/L	U
1145	570264009	2/14/2022	Cerium-144	1.45E+00	2.96E+00	9.69E+00	pCi/L	U
1145	573043006	3/14/2022	Cerium-144	1.16E+01	7.55E+00	2.64E+01	pCi/L	U
1145	576091007	4/11/2022	Cerium-144	-2.63E+00	8.95E+00	2.87E+01	pCi/L	U
1145	579261006	5/9/2022	Cerium-144	7.97E-02	5.29E+00	1.80E+01	pCi/L	U
1145	581945007	6/6/2022	Cerium-144	-1.06E+00	6.29E+00	2.01E+01	pCi/L	U
1145	584821006	7/4/2022	Cerium-144	-7.45E+00	8.09E+00	2.52E+01	pCi/L	U
1145	587888006	8/1/2022	Cerium-144	8.38E+00	9.48E+00	3.22E+01	pCi/L	U
1145	590547007	8/29/2022	Cerium-144	1.48E+01	7.20E+00	2.55E+01	pCi/L	U
1145	594423005	9/26/2022	Cerium-144	3.09E+00	5.79E+00	1.65E+01	pCi/L	U
1145	597936006	10/24/2022	Cerium-144	-9.60E+00	9.19E+00	2.84E+01	pCi/L	U
1145	601450005	11/21/2022	Cerium-144	-1.14E+01	7.01E+00	2.09E+01	pCi/L	U
1145	604619006	12/19/2022	Cerium-144	-7.97E+00	7.07E+00	2.14E+01	pCi/L	U
1145	567643009	1/18/2022	Cesium-134	-8.19E-01	8.93E-01	2.70E+00	pCi/L	U
1145	570264009	2/14/2022	Cesium-134	9.06E-01	4.65E-01	1.63E+00	pCi/L	U
1145	573043006	3/14/2022	Cesium-134	2.29E+00	1.25E+00	4.32E+00	pCi/L	U
1145	576091007	4/11/2022	Cesium-134	-5.01E-01	1.67E+00	4.32E+00	pCi/L	U
1145	579261006	5/9/2022	Cesium-134	6.62E-01	8.03E-01	2.78E+00	pCi/L	U
1145	581945007	6/6/2022	Cesium-134	-1.22E+00	8.54E-01	2.18E+00	pCi/L	U
1145	584821006	7/4/2022	Cesium-134	1.27E+00	1.10E+00	3.98E+00	pCi/L	U
1145	587888006	8/1/2022	Cesium-134	1.73E-03	1.60E+00	5.15E+00	pCi/L	U
1145	590547007	8/29/2022	Cesium-134	6.38E-01	1.40E+00	4.67E+00	pCi/L	U
1145	594423005	9/26/2022	Cesium-134	-1.62E-01	7.93E-01	2.50E+00	pCi/L	U
1145	597936006	10/24/2022	Cesium-134	1.34E+00	1.53E+00	5.36E+00	pCi/L	U
1145	601450005	11/21/2022	Cesium-134	5.46E-01	1.10E+00	3.78E+00	pCi/L	U
1145	604619006	12/19/2022	Cesium-134	1.07E+00	1.09E+00	3.83E+00	pCi/L	U
1145	567643009	1/18/2022	Cesium-137	2.42E+00	9.01E-01	2.36E+00	pCi/L	UI
1145	570264009	2/14/2022	Cesium-137	-5.02E-02	5.38E-01	1.56E+00	pCi/L	U
1145	573043006	3/14/2022	Cesium-137	-3.46E-01	1.12E+00	3.47E+00	pCi/L	U
1145	576091007	4/11/2022	Cesium-137	3.70E+00	2.20E+00	3.60E+00	pCi/L	UI
1145	579261006	5/9/2022	Cesium-137	-7.67E-01	9.51E-01	2.65E+00	pCi/L	U
1145	581945007	6/6/2022	Cesium-137	-7.67E-01	9.46E-01	2.84E+00	pCi/L	U
1145	584821006	7/4/2022	Cesium-137	-1.00E+00	1.25E+00	3.82E+00	pCi/L	U
1145	587888006	8/1/2022	Cesium-137	1.10E+00	1.32E+00	4.68E+00	pCi/L	U
1145	590547007	8/29/2022	Cesium-137	-1.61E+00	1.27E+00	3.62E+00	pCi/L	U
1145	594423005	9/26/2022	Cesium-137	-6.14E-01	8.67E-01	2.68E+00	pCi/L	U
1145	597936006	10/24/2022	Cesium-137	-2.08E+00	1.16E+00	2.94E+00	pCi/L	U
1145	601450005	11/21/2022	Cesium-137	1.47E-01	1.15E+00	3.82E+00	pCi/L	U
1145	604619006	12/19/2022	Cesium-137	5.86E-01	1.03E+00	3.50E+00	pCi/L	U
1145	567643009	1/18/2022	Chromium-51	6.56E+00	9.29E+00	2.43E+01	pCi/L	U
1145	570264009	2/14/2022	Chromium-51	-1.62E+00	3.98E+00	1.34E+01	pCi/L	U
1145	573043006	3/14/2022	Chromium-51	-1.36E+00	1.04E+01	3.50E+01	pCi/L	U
1145	576091007	4/11/2022	Chromium-51	9.04E-01	1.21E+01	4.17E+01	pCi/L	U
1145	579261006	5/9/2022	Chromium-51	-1.08E+01	8.05E+00	2.49E+01	pCi/L	U
1145	581945007	6/6/2022	Chromium-51	-1.63E+00	7.47E+00	2.52E+01	pCi/L	U
1145	584821006	7/4/2022	Chromium-51	2.93E+00	8.60E+00	3.00E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	587888006	8/1/2022	Chromium-51	3.58E+00	1.39E+01	4.84E+01	pCi/L	U
1145	590547007	8/29/2022	Chromium-51	-4.72E+00	8.89E+00	2.92E+01	pCi/L	U
1145	594423005	9/26/2022	Chromium-51	-3.77E-01	5.97E+00	2.03E+01	pCi/L	U
1145	597936006	10/24/2022	Chromium-51	1.70E+00	1.10E+01	3.80E+01	pCi/L	U
1145	601450005	11/21/2022	Chromium-51	3.40E+00	9.76E+00	3.13E+01	pCi/L	U
1145	604619006	12/19/2022	Chromium-51	1.71E+00	1.13E+01	3.87E+01	pCi/L	U
1145	567643009	1/18/2022	Cobalt-57	-9.66E-03	6.89E-01	2.24E+00	pCi/L	U
1145	570264009	2/14/2022	Cobalt-57	6.13E-01	3.84E-01	1.30E+00	pCi/L	U
1145	573043006	3/14/2022	Cobalt-57	9.19E-01	1.01E+00	3.44E+00	pCi/L	U
1145	576091007	4/11/2022	Cobalt-57	4.12E-01	1.14E+00	3.78E+00	pCi/L	U
1145	579261006	5/9/2022	Cobalt-57	1.99E-01	7.24E-01	2.49E+00	pCi/L	U
1145	581945007	6/6/2022	Cobalt-57	1.52E+00	8.69E-01	3.03E+00	pCi/L	U
1145	584821006	7/4/2022	Cobalt-57	7.00E-01	1.01E+00	3.38E+00	pCi/L	U
1145	587888006	8/1/2022	Cobalt-57	1.63E-01	1.23E+00	4.04E+00	pCi/L	U
1145	590547007	8/29/2022	Cobalt-57	-1.11E+00	8.97E-01	2.70E+00	pCi/L	U
1145	594423005	9/26/2022	Cobalt-57	-9.52E-02	6.47E-01	2.09E+00	pCi/L	U
1145	597936006	10/24/2022	Cobalt-57	1.03E+00	1.16E+00	3.96E+00	pCi/L	U
1145	601450005	11/21/2022	Cobalt-57	1.17E+00	9.55E-01	3.32E+00	pCi/L	U
1145	604619006	12/19/2022	Cobalt-57	-2.32E-01	9.85E-01	3.13E+00	pCi/L	U
1145	567643009	1/18/2022	Cobalt-58	2.68E-01	8.12E-01	2.68E+00	pCi/L	U
1145	570264009	2/14/2022	Cobalt-58	-4.42E-01	4.08E-01	1.23E+00	pCi/L	U
1145	573043006	3/14/2022	Cobalt-58	9.52E-02	1.14E+00	3.90E+00	pCi/L	U
1145	576091007	4/11/2022	Cobalt-58	7.33E-01	1.28E+00	4.38E+00	pCi/L	U
1145	579261006	5/9/2022	Cobalt-58	7.86E-01	8.12E-01	2.82E+00	pCi/L	U
1145	581945007	6/6/2022	Cobalt-58	1.90E+00	7.96E-01	1.96E+00	pCi/L	U
1145	584821006	7/4/2022	Cobalt-58	-2.88E-01	1.35E+00	4.29E+00	pCi/L	U
1145	587888006	8/1/2022	Cobalt-58	-1.34E+00	1.26E+00	3.51E+00	pCi/L	U
1145	590547007	8/29/2022	Cobalt-58	-1.32E-01	1.10E+00	3.45E+00	pCi/L	U
1145	594423005	9/26/2022	Cobalt-58	7.49E-01	8.06E-01	2.77E+00	pCi/L	U
1145	597936006	10/24/2022	Cobalt-58	2.24E-01	1.29E+00	4.23E+00	pCi/L	U
1145	601450005	11/21/2022	Cobalt-58	-1.31E-01	1.03E+00	3.29E+00	pCi/L	U
1145	604619006	12/19/2022	Cobalt-58	7.98E-01	1.06E+00	3.66E+00	pCi/L	U
1145	567643009	1/18/2022	Cobalt-60	-8.34E-01	8.35E-01	2.55E+00	pCi/L	U
1145	570264009	2/14/2022	Cobalt-60	-6.30E-01	4.38E-01	1.32E+00	pCi/L	U
1145	573043006	3/14/2022	Cobalt-60	1.22E+00	1.47E+00	5.19E+00	pCi/L	U
1145	576091007	4/11/2022	Cobalt-60	-1.43E+00	1.31E+00	3.62E+00	pCi/L	U
1145	579261006	5/9/2022	Cobalt-60	9.13E-01	7.22E-01	2.66E+00	pCi/L	U
1145	581945007	6/6/2022	Cobalt-60	1.37E+00	1.13E+00	4.27E+00	pCi/L	U
1145	584821006	7/4/2022	Cobalt-60	5.43E-01	1.05E+00	3.73E+00	pCi/L	U
1145	587888006	8/1/2022	Cobalt-60	1.03E-01	1.32E+00	4.44E+00	pCi/L	U
1145	590547007	8/29/2022	Cobalt-60	-3.23E+00	1.29E+00	2.62E+00	pCi/L	U
1145	594423005	9/26/2022	Cobalt-60	8.20E-01	9.03E-01	3.24E+00	pCi/L	U
1145	597936006	10/24/2022	Cobalt-60	-1.08E+00	9.95E-01	2.56E+00	pCi/L	U
1145	601450005	11/21/2022	Cobalt-60	1.22E+00	1.15E+00	4.38E+00	pCi/L	U
1145	604619006	12/19/2022	Cobalt-60	-1.85E-01	8.34E-01	2.68E+00	pCi/L	U
1145	567643009	1/18/2022	Iodine-131	-2.37E+00	1.57E+00	5.03E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	570264009	2/14/2022	Iodine-131	-3.77E-01	7.80E-01	2.60E+00	pCi/L	U
1145	573043006	3/14/2022	Iodine-131	2.12E-01	2.43E+00	8.24E+00	pCi/L	U
1145	576091007	4/11/2022	Iodine-131	-3.72E+00	2.58E+00	7.87E+00	pCi/L	U
1145	579261006	5/9/2022	Iodine-131	1.91E-01	1.89E+00	5.46E+00	pCi/L	U
1145	581945007	6/6/2022	Iodine-131	-5.34E-01	1.26E+00	4.13E+00	pCi/L	U
1145	584821006	7/4/2022	Iodine-131	-2.00E+00	1.82E+00	5.42E+00	pCi/L	U
1145	587888006	8/1/2022	Iodine-131	3.52E-02	2.65E-01	8.66E-01	pCi/L	U
1145	590547007	8/29/2022	Iodine-131	4.23E-01	1.42E+00	4.88E+00	pCi/L	U
1145	590547007	8/29/2022	Iodine-131	-5.97E-01	2.15E-01	8.04E-01	pCi/L	U
1145	594423005	9/26/2022	Iodine-131	4.24E-01	9.28E-01	3.22E+00	pCi/L	U
1145	594423005	9/26/2022	Iodine-131	-6.69E-01	2.29E-01	8.53E-01	pCi/L	U
1145	597936006	10/24/2022	Iodine-131	-2.98E-01	2.53E-01	8.72E-01	pCi/L	U
1145	601450005	11/21/2022	Iodine-131	7.54E-01	1.89E+00	6.10E+00	pCi/L	U
1145	601450005	11/21/2022	Iodine-131	-1.44E-01	1.31E-01	4.68E-01	pCi/L	U
1145	604619006	12/19/2022	Iodine-131	1.51E+00	2.42E+00	8.44E+00	pCi/L	U
1145	604619006	12/19/2022	Iodine-131	-3.78E-01	2.58E-01	8.84E-01	pCi/L	U
1145	567643009	1/18/2022	Iron-59	1.38E+00	1.62E+00	5.82E+00	pCi/L	U
1145	570264009	2/14/2022	Iron-59	1.24E+00	8.72E-01	3.13E+00	pCi/L	U
1145	573043006	3/14/2022	Iron-59	-1.86E-01	3.03E+00	8.68E+00	pCi/L	U
1145	576091007	4/11/2022	Iron-59	-2.84E+00	2.99E+00	9.10E+00	pCi/L	U
1145	579261006	5/9/2022	Iron-59	2.53E+00	2.62E+00	5.48E+00	pCi/L	U
1145	581945007	6/6/2022	Iron-59	2.02E+00	1.25E+00	5.03E+00	pCi/L	U
1145	584821006	7/4/2022	Iron-59	1.78E+00	1.75E+00	6.63E+00	pCi/L	U
1145	587888006	8/1/2022	Iron-59	-5.78E+00	2.52E+00	5.66E+00	pCi/L	U
1145	590547007	8/29/2022	Iron-59	-3.09E+00	1.69E+00	3.86E+00	pCi/L	U
1145	594423005	9/26/2022	Iron-59	-5.01E-01	1.57E+00	5.16E+00	pCi/L	U
1145	597936006	10/24/2022	Iron-59	-1.28E-02	2.19E+00	7.16E+00	pCi/L	U
1145	601450005	11/21/2022	Iron-59	-1.57E+00	2.35E+00	6.73E+00	pCi/L	U
1145	604619006	12/19/2022	Iron-59	-2.25E+00	1.83E+00	5.22E+00	pCi/L	U
1145	567643009	1/18/2022	Lanthanum-140	3.60E-01	1.27E+00	4.32E+00	pCi/L	U
1145	570264009	2/14/2022	Lanthanum-140	-7.66E-01	8.25E-01	2.53E+00	pCi/L	U
1145	573043006	3/14/2022	Lanthanum-140	1.28E+00	1.84E+00	6.88E+00	pCi/L	U
1145	576091007	4/11/2022	Lanthanum-140	3.99E+00	1.76E+00	8.22E+00	pCi/L	U
1145	579261006	5/9/2022	Lanthanum-140	5.28E-01	1.67E+00	5.65E+00	pCi/L	U
1145	581945007	6/6/2022	Lanthanum-140	-5.70E-01	1.79E+00	5.69E+00	pCi/L	U
1145	584821006	7/4/2022	Lanthanum-140	1.19E+00	1.42E+00	5.25E+00	pCi/L	U
1145	587888006	8/1/2022	Lanthanum-140	2.96E+00	2.52E+00	9.72E+00	pCi/L	U
1145	590547007	8/29/2022	Lanthanum-140	1.20E+00	1.44E+00	5.33E+00	pCi/L	U
1145	594423005	9/26/2022	Lanthanum-140	-3.13E-01	1.07E+00	3.37E+00	pCi/L	U
1145	597936006	10/24/2022	Lanthanum-140	-6.34E-01	1.94E+00	6.05E+00	pCi/L	U
1145	601450005	11/21/2022	Lanthanum-140	-1.21E+00	2.02E+00	6.04E+00	pCi/L	U
1145	604619006	12/19/2022	Lanthanum-140	2.95E+00	2.35E+00	8.75E+00	pCi/L	U
1145	567643009	1/18/2022	Lead-210	1.22E+02	1.16E+02	4.03E+02	pCi/L	U
1145	570264009	2/14/2022	Lead-210	2.73E+02	2.28E+02	2.38E+02	pCi/L	UI
1145	573043006	3/14/2022	Lead-210	-8.09E+01	3.73E+02	1.27E+03	pCi/L	U
1145	576091007	4/11/2022	Lead-210	3.23E+01	6.69E+02	2.21E+03	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	579261006	5/9/2022	Lead-210	-1.68E+02	2.85E+02	8.95E+02	pCi/L	U
1145	581945007	6/6/2022	Lead-210	3.20E+01	9.10E+01	3.10E+02	pCi/L	U
1145	584821006	7/4/2022	Lead-210	-1.34E+02	1.66E+02	4.98E+02	pCi/L	U
1145	587888006	8/1/2022	Lead-210	-5.22E+01	5.69E+02	1.92E+03	pCi/L	U
1145	590547007	8/29/2022	Lead-210	-1.69E+02	1.84E+02	5.70E+02	pCi/L	U
1145	594423005	9/26/2022	Lead-210	8.12E+01	2.06E+02	3.36E+02	pCi/L	U
1145	597936006	10/24/2022	Lead-210	-2.70E+02	7.07E+02	2.10E+03	pCi/L	U
1145	601450005	11/21/2022	Lead-210	6.59E-01	3.20E+02	6.99E+02	pCi/L	U
1145	604619006	12/19/2022	Lead-210	3.89E+02	3.10E+02	4.55E+02	pCi/L	U
1145	567643009	1/18/2022	Lead-212	2.82E+00	2.64E+00	5.93E+00	pCi/L	U
1145	570264009	2/14/2022	Lead-212	2.20E+00	1.68E+00	3.40E+00	pCi/L	U
1145	573043006	3/14/2022	Lead-212	4.89E+00	3.45E+00	9.06E+00	pCi/L	U
1145	576091007	4/11/2022	Lead-212	-3.94E+00	3.40E+00	9.00E+00	pCi/L	U
1145	579261006	5/9/2022	Lead-212	3.15E+00	3.15E+00	6.47E+00	pCi/L	U
1145	581945007	6/6/2022	Lead-212	2.83E+00	3.30E+00	6.00E+00	pCi/L	U
1145	584821006	7/4/2022	Lead-212	3.54E+00	3.36E+00	8.54E+00	pCi/L	U
1145	587888006	8/1/2022	Lead-212	6.28E+00	5.03E+00	1.04E+01	pCi/L	U
1145	590547007	8/29/2022	Lead-212	4.60E+00	3.93E+00	1.09E+01	pCi/L	U
1145	594423005	9/26/2022	Lead-212	7.09E+00	2.22E+00	7.76E+00	pCi/L	U
1145	597936006	10/24/2022	Lead-212	-4.68E-01	2.95E+00	9.13E+00	pCi/L	U
1145	601450005	11/21/2022	Lead-212	6.89E+00	4.12E+00	8.71E+00	pCi/L	U
1145	604619006	12/19/2022	Lead-212	-2.61E+00	2.20E+00	7.10E+00	pCi/L	U
1145	567643009	1/18/2022	Lead-214	4.99E+00	3.16E+00	8.12E+00	pCi/L	U
1145	570264009	2/14/2022	Lead-214	8.16E-01	1.59E+00	3.72E+00	pCi/L	U
1145	573043006	3/14/2022	Lead-214	-1.93E+00	2.79E+00	8.45E+00	pCi/L	U
1145	576091007	4/11/2022	Lead-214	3.02E+00	3.53E+00	1.15E+01	pCi/L	U
1145	579261006	5/9/2022	Lead-214	1.98E+01	4.56E+00	5.40E+00	pCi/L	U
1145	581945007	6/6/2022	Lead-214	2.30E+00	2.54E+00	8.55E+00	pCi/L	U
1145	584821006	7/4/2022	Lead-214	-2.97E+00	3.27E+00	9.80E+00	pCi/L	U
1145	587888006	8/1/2022	Lead-214	-5.30E+00	3.82E+00	9.90E+00	pCi/L	U
1145	590547007	8/29/2022	Lead-214	-2.20E+00	2.60E+00	7.93E+00	pCi/L	U
1145	594423005	9/26/2022	Lead-214	6.38E-01	2.07E+00	6.43E+00	pCi/L	U
1145	597936006	10/24/2022	Lead-214	2.44E+00	4.84E+00	1.32E+01	pCi/L	U
1145	601450005	11/21/2022	Lead-214	3.80E+00	2.98E+00	1.06E+01	pCi/L	U
1145	604619006	12/19/2022	Lead-214	-5.02E+00	3.07E+00	9.12E+00	pCi/L	U
1145	567643009	1/18/2022	Manganese-54	-7.87E-01	9.49E-01	2.52E+00	pCi/L	U
1145	570264009	2/14/2022	Manganese-54	-2.70E-01	4.32E-01	1.34E+00	pCi/L	U
1145	573043006	3/14/2022	Manganese-54	2.62E+00	1.03E+00	4.24E+00	pCi/L	U
1145	576091007	4/11/2022	Manganese-54	2.14E+00	7.53E-01	3.51E+00	pCi/L	U
1145	579261006	5/9/2022	Manganese-54	-9.52E-01	8.25E-01	2.55E+00	pCi/L	U
1145	581945007	6/6/2022	Manganese-54	-7.72E-03	8.00E-01	2.57E+00	pCi/L	U
1145	584821006	7/4/2022	Manganese-54	1.09E-01	1.07E+00	3.48E+00	pCi/L	U
1145	587888006	8/1/2022	Manganese-54	1.75E+00	1.18E+00	4.20E+00	pCi/L	U
1145	590547007	8/29/2022	Manganese-54	-7.69E-01	1.14E+00	3.34E+00	pCi/L	U
1145	594423005	9/26/2022	Manganese-54	6.29E-01	6.36E-01	2.23E+00	pCi/L	U
1145	597936006	10/24/2022	Manganese-54	1.40E+00	9.82E-01	3.59E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	601450005	11/21/2022	Manganese-54	-1.69E-01	1.08E+00	3.46E+00	pCi/L	U
1145	604619006	12/19/2022	Manganese-54	5.74E-01	8.14E-01	2.82E+00	pCi/L	U
1145	567643009	1/18/2022	Molybdenum-99	-9.53E+01	4.17E+01	1.13E+02	pCi/L	U
1145	570264009	2/14/2022	Molybdenum-99	1.37E+01	2.45E+01	8.14E+01	pCi/L	U
1145	573043006	3/14/2022	Molybdenum-99	1.52E+01	1.37E+02	4.39E+02	pCi/L	U
1145	576091007	4/11/2022	Molybdenum-99	-6.22E+00	9.48E+01	3.06E+02	pCi/L	U
1145	579261006	5/9/2022	Molybdenum-99	-3.26E+01	5.75E+01	1.85E+02	pCi/L	U
1145	581945007	6/6/2022	Molybdenum-99	4.49E+01	2.65E+01	9.38E+01	pCi/L	U
1145	584821006	7/4/2022	Molybdenum-99	-2.21E+01	2.64E+01	6.80E+01	pCi/L	U
1145	587888006	8/1/2022	Molybdenum-99	4.07E+00	9.79E+01	3.20E+02	pCi/L	U
1145	590547007	8/29/2022	Molybdenum-99	2.51E+01	2.24E+01	8.04E+01	pCi/L	U
1145	594423005	9/26/2022	Molybdenum-99	-5.93E+00	1.23E+01	3.81E+01	pCi/L	U
1145	597936006	10/24/2022	Molybdenum-99	-1.98E+01	2.61E+01	7.73E+01	pCi/L	U
1145	601450005	11/21/2022	Molybdenum-99	-4.69E+01	9.02E+01	2.42E+02	pCi/L	U
1145	604619006	12/19/2022	Molybdenum-99	-1.63E+02	1.08E+02	2.98E+02	pCi/L	U
1145	567643009	1/18/2022	Niobium-95	-1.41E-01	1.07E+00	3.06E+00	pCi/L	U
1145	570264009	2/14/2022	Niobium-95	-1.37E-01	7.22E-01	1.59E+00	pCi/L	U
1145	573043006	3/14/2022	Niobium-95	3.02E-01	1.25E+00	4.32E+00	pCi/L	U
1145	576091007	4/11/2022	Niobium-95	5.39E-01	1.12E+00	3.86E+00	pCi/L	U
1145	579261006	5/9/2022	Niobium-95	6.61E-01	8.32E-01	2.87E+00	pCi/L	U
1145	581945007	6/6/2022	Niobium-95	-1.29E+00	1.01E+00	2.84E+00	pCi/L	U
1145	584821006	7/4/2022	Niobium-95	3.71E-01	1.19E+00	3.97E+00	pCi/L	U
1145	587888006	8/1/2022	Niobium-95	-1.90E-02	1.45E+00	4.69E+00	pCi/L	U
1145	590547007	8/29/2022	Niobium-95	-2.45E-02	1.24E+00	3.96E+00	pCi/L	U
1145	594423005	9/26/2022	Niobium-95	2.68E+00	5.51E-01	2.57E+00	pCi/L	M
1145	597936006	10/24/2022	Niobium-95	4.80E-01	1.30E+00	4.36E+00	pCi/L	U
1145	601450005	11/21/2022	Niobium-95	-7.57E-01	1.01E+00	3.01E+00	pCi/L	U
1145	604619006	12/19/2022	Niobium-95	-4.86E-01	1.17E+00	3.61E+00	pCi/L	U
1145	567643009	1/18/2022	Potassium-40	-2.20E+01	1.15E+01	3.19E+01	pCi/L	U
1145	570264009	2/14/2022	Potassium-40	8.09E+00	1.09E+01	1.39E+01	pCi/L	U
1145	573043006	3/14/2022	Potassium-40	3.77E+01	2.20E+01	2.19E+01	pCi/L	UI
1145	576091007	4/11/2022	Potassium-40	3.28E+01	2.41E+01	3.13E+01	pCi/L	UI
1145	579261006	5/9/2022	Potassium-40	-1.57E+01	1.20E+01	3.65E+01	pCi/L	U
1145	581945007	6/6/2022	Potassium-40	-2.49E+01	1.41E+01	4.53E+01	pCi/L	U
1145	584821006	7/4/2022	Potassium-40	5.01E-01	1.47E+01	3.80E+01	pCi/L	U
1145	587888006	8/1/2022	Potassium-40	-4.47E+01	2.07E+01	6.54E+01	pCi/L	U
1145	590547007	8/29/2022	Potassium-40	3.76E+01	2.48E+01	4.76E+01	pCi/L	U
1145	594423005	9/26/2022	Potassium-40	-9.61E+00	1.19E+01	3.75E+01	pCi/L	U
1145	597936006	10/24/2022	Potassium-40	1.16E+01	2.24E+01	7.91E+01	pCi/L	U
1145	601450005	11/21/2022	Potassium-40	6.00E+00	1.70E+01	6.41E+01	pCi/L	U
1145	604619006	12/19/2022	Potassium-40	-1.83E+01	1.40E+01	5.04E+01	pCi/L	U
1145	567643009	1/18/2022	Radium-226	-3.53E+01	2.62E+01	7.24E+01	pCi/L	U
1145	570264009	2/14/2022	Radium-226	-4.48E+01	1.86E+01	4.47E+01	pCi/L	U
1145	573043006	3/14/2022	Radium-226	2.89E+01	4.83E+01	6.27E+01	pCi/L	U
1145	576091007	4/11/2022	Radium-226	8.54E+01	5.22E+01	9.24E+01	pCi/L	U
1145	579261006	5/9/2022	Radium-226	1.15E+01	4.59E+01	5.64E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	581945007	6/6/2022	Radium-226	4.43E+01	3.99E+01	5.70E+01	pCi/L	U
1145	584821006	7/4/2022	Radium-226	1.86E+01	4.87E+01	7.80E+01	pCi/L	U
1145	587888006	8/1/2022	Radium-226	9.55E+01	7.73E+01	8.38E+01	pCi/L	UI
1145	590547007	8/29/2022	Radium-226	3.41E+01	6.35E+01	7.19E+01	pCi/L	U
1145	594423005	9/26/2022	Radium-226	5.07E+01	3.03E+01	4.71E+01	pCi/L	
1145	597936006	10/24/2022	Radium-226	-5.33E+01	3.52E+01	1.13E+02	pCi/L	U
1145	601450005	11/21/2022	Radium-226	6.49E+01	4.39E+01	6.93E+01	pCi/L	U
1145	604619006	12/19/2022	Radium-226	1.69E+01	4.17E+01	7.52E+01	pCi/L	U
1145	567643009	1/18/2022	Radium-228	-2.78E+00	4.30E+00	1.19E+01	pCi/L	U
1145	570264009	2/14/2022	Radium-228	-3.09E+00	2.89E+00	6.63E+00	pCi/L	U
1145	573043006	3/14/2022	Radium-228	-2.32E+00	5.39E+00	1.57E+01	pCi/L	U
1145	576091007	4/11/2022	Radium-228	3.33E+00	5.68E+00	1.72E+01	pCi/L	U
1145	579261006	5/9/2022	Radium-228	3.76E+00	6.48E+00	1.32E+01	pCi/L	U
1145	581945007	6/6/2022	Radium-228	-6.81E+00	6.01E+00	1.70E+01	pCi/L	U
1145	584821006	7/4/2022	Radium-228	-9.80E-01	5.75E+00	1.63E+01	pCi/L	U
1145	587888006	8/1/2022	Radium-228	6.09E-01	6.20E+00	1.82E+01	pCi/L	U
1145	590547007	8/29/2022	Radium-228	3.88E+00	5.23E+00	1.77E+01	pCi/L	U
1145	594423005	9/26/2022	Radium-228	4.99E+00	4.22E+00	1.15E+01	pCi/L	U
1145	597936006	10/24/2022	Radium-228	-5.33E-01	6.47E+00	1.86E+01	pCi/L	U
1145	601450005	11/21/2022	Radium-228	1.93E+00	5.50E+00	1.86E+01	pCi/L	U
1145	604619006	12/19/2022	Radium-228	-5.61E+00	5.59E+00	1.63E+01	pCi/L	U
1145	567643009	1/18/2022	Ruthenium-103	-1.14E+00	8.63E-01	2.70E+00	pCi/L	U
1145	570264009	2/14/2022	Ruthenium-103	-3.74E-01	4.97E-01	1.43E+00	pCi/L	U
1145	573043006	3/14/2022	Ruthenium-103	-1.11E+00	1.36E+00	4.21E+00	pCi/L	U
1145	576091007	4/11/2022	Ruthenium-103	1.66E-02	1.21E+00	4.06E+00	pCi/L	U
1145	579261006	5/9/2022	Ruthenium-103	-7.61E-01	9.02E-01	2.74E+00	pCi/L	U
1145	581945007	6/6/2022	Ruthenium-103	8.59E-01	7.73E-01	2.83E+00	pCi/L	U
1145	584821006	7/4/2022	Ruthenium-103	-3.14E-01	1.22E+00	4.00E+00	pCi/L	U
1145	587888006	8/1/2022	Ruthenium-103	-3.55E-01	1.45E+00	4.77E+00	pCi/L	U
1145	590547007	8/29/2022	Ruthenium-103	1.62E-01	9.72E-01	3.26E+00	pCi/L	U
1145	594423005	9/26/2022	Ruthenium-103	-1.20E+00	8.38E-01	2.56E+00	pCi/L	U
1145	597936006	10/24/2022	Ruthenium-103	-1.78E+00	1.25E+00	3.68E+00	pCi/L	U
1145	601450005	11/21/2022	Ruthenium-103	-5.33E-01	1.07E+00	3.45E+00	pCi/L	U
1145	604619006	12/19/2022	Ruthenium-103	-1.43E+00	1.22E+00	3.72E+00	pCi/L	U
1145	567643009	1/18/2022	Ruthenium-106	-1.38E+00	7.15E+00	2.33E+01	pCi/L	U
1145	570264009	2/14/2022	Ruthenium-106	-1.32E+00	4.22E+00	1.21E+01	pCi/L	U
1145	573043006	3/14/2022	Ruthenium-106	1.29E+01	1.12E+01	3.95E+01	pCi/L	U
1145	576091007	4/11/2022	Ruthenium-106	6.07E+00	1.22E+01	4.18E+01	pCi/L	U
1145	579261006	5/9/2022	Ruthenium-106	2.30E+00	7.05E+00	2.40E+01	pCi/L	U
1145	581945007	6/6/2022	Ruthenium-106	-3.26E+00	7.99E+00	2.52E+01	pCi/L	U
1145	584821006	7/4/2022	Ruthenium-106	-1.43E+01	1.12E+01	2.81E+01	pCi/L	U
1145	587888006	8/1/2022	Ruthenium-106	-4.46E-01	1.12E+01	3.68E+01	pCi/L	U
1145	590547007	8/29/2022	Ruthenium-106	-1.10E+01	6.99E+00	1.73E+01	pCi/L	U
1145	594423005	9/26/2022	Ruthenium-106	-5.47E-01	6.81E+00	2.22E+01	pCi/L	U
1145	597936006	10/24/2022	Ruthenium-106	-1.33E+01	1.15E+01	3.36E+01	pCi/L	U
1145	601450005	11/21/2022	Ruthenium-106	-9.11E+00	9.08E+00	2.70E+01	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	604619006	12/19/2022	Ruthenium-106	-8.21E+00	8.93E+00	2.68E+01	pCi/L	U
1145	567643009	1/18/2022	Selenium-75	-3.45E-02	1.18E+00	3.67E+00	pCi/L	U
1145	570264009	2/14/2022	Selenium-75	-5.68E-01	6.07E-01	1.84E+00	pCi/L	U
1145	573043006	3/14/2022	Selenium-75	-1.81E+00	1.44E+00	4.62E+00	pCi/L	U
1145	576091007	4/11/2022	Selenium-75	2.40E+00	1.71E+00	5.89E+00	pCi/L	U
1145	579261006	5/9/2022	Selenium-75	1.53E+00	1.05E+00	3.62E+00	pCi/L	U
1145	581945007	6/6/2022	Selenium-75	-4.87E-01	1.12E+00	3.35E+00	pCi/L	U
1145	584821006	7/4/2022	Selenium-75	-1.36E+00	1.62E+00	4.80E+00	pCi/L	U
1145	587888006	8/1/2022	Selenium-75	-7.80E-02	2.10E+00	6.57E+00	pCi/L	U
1145	590547007	8/29/2022	Selenium-75	3.36E+00	1.45E+00	5.52E+00	pCi/L	U
1145	594423005	9/26/2022	Selenium-75	-1.12E+00	9.43E-01	2.71E+00	pCi/L	U
1145	597936006	10/24/2022	Selenium-75	1.16E+00	1.82E+00	5.95E+00	pCi/L	U
1145	601450005	11/21/2022	Selenium-75	9.26E-01	1.38E+00	4.56E+00	pCi/L	U
1145	604619006	12/19/2022	Selenium-75	3.14E-01	1.40E+00	4.85E+00	pCi/L	U
1145	567643009	1/18/2022	Silver-108m	-2.24E+00	9.96E-01	2.54E+00	pCi/L	U
1145	570264009	2/14/2022	Silver-108m	7.12E-01	3.64E-01	1.30E+00	pCi/L	U
1145	573043006	3/14/2022	Silver-108m	3.19E+00	1.89E+00	3.70E+00	pCi/L	U
1145	576091007	4/11/2022	Silver-108m	8.87E-01	1.03E+00	3.70E+00	pCi/L	U
1145	579261006	5/9/2022	Silver-108m	3.08E-03	7.47E-01	2.39E+00	pCi/L	U
1145	581945007	6/6/2022	Silver-108m	6.05E-01	7.87E-01	2.79E+00	pCi/L	U
1145	584821006	7/4/2022	Silver-108m	-6.07E-01	1.27E+00	3.76E+00	pCi/L	U
1145	587888006	8/1/2022	Silver-108m	-3.25E-02	1.14E+00	3.82E+00	pCi/L	U
1145	590547007	8/29/2022	Silver-108m	8.08E-01	1.02E+00	3.60E+00	pCi/L	U
1145	594423005	9/26/2022	Silver-108m	-1.07E+00	6.26E-01	1.87E+00	pCi/L	U
1145	597936006	10/24/2022	Silver-108m	8.33E-01	1.11E+00	3.93E+00	pCi/L	U
1145	601450005	11/21/2022	Silver-108m	2.91E+00	8.36E-01	3.53E+00	pCi/L	U
1145	604619006	12/19/2022	Silver-108m	3.71E-01	8.51E-01	2.92E+00	pCi/L	U
1145	567643009	1/18/2022	Silver-110m	2.57E+00	1.24E+00	4.50E+00	pCi/L	U
1145	570264009	2/14/2022	Silver-110m	-9.25E-02	5.94E-01	1.88E+00	pCi/L	U
1145	573043006	3/14/2022	Silver-110m	7.05E-01	1.55E+00	4.91E+00	pCi/L	U
1145	576091007	4/11/2022	Silver-110m	-8.71E-01	1.57E+00	4.63E+00	pCi/L	U
1145	579261006	5/9/2022	Silver-110m	4.85E-02	1.08E+00	3.54E+00	pCi/L	U
1145	581945007	6/6/2022	Silver-110m	-1.53E+00	1.53E+00	4.38E+00	pCi/L	U
1145	584821006	7/4/2022	Silver-110m	8.12E-02	1.55E+00	5.01E+00	pCi/L	U
1145	587888006	8/1/2022	Silver-110m	-2.79E+00	2.21E+00	6.16E+00	pCi/L	U
1145	590547007	8/29/2022	Silver-110m	-4.32E-02	1.59E+00	5.41E+00	pCi/L	U
1145	594423005	9/26/2022	Silver-110m	1.03E+00	1.08E+00	3.72E+00	pCi/L	U
1145	597936006	10/24/2022	Silver-110m	-9.04E-01	1.93E+00	5.86E+00	pCi/L	U
1145	601450005	11/21/2022	Silver-110m	5.96E-01	1.07E+00	3.76E+00	pCi/L	U
1145	604619006	12/19/2022	Silver-110m	5.65E-01	1.42E+00	4.72E+00	pCi/L	U
1145	567643009	1/18/2022	Tellurium-132	-2.66E+00	4.12E+00	1.27E+01	pCi/L	U
1145	570264009	2/14/2022	Tellurium-132	-3.56E+00	2.48E+00	7.49E+00	pCi/L	U
1145	573043006	3/14/2022	Tellurium-132	1.20E+01	1.13E+01	3.79E+01	pCi/L	U
1145	576091007	4/11/2022	Tellurium-132	-1.20E+01	9.18E+00	2.65E+01	pCi/L	U
1145	579261006	5/9/2022	Tellurium-132	3.07E+00	4.68E+00	1.58E+01	pCi/L	U
1145	581945007	6/6/2022	Tellurium-132	-4.60E+00	2.66E+00	7.46E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1145	584821006	7/4/2022	Tellurium-132	-2.06E+00	2.63E+00	7.94E+00	pCi/L	U
1145	587888006	8/1/2022	Tellurium-132	-2.94E-02	1.15E+01	3.65E+01	pCi/L	U
1145	590547007	8/29/2022	Tellurium-132	-2.14E+00	2.37E+00	6.95E+00	pCi/L	U
1145	594423005	9/26/2022	Tellurium-132	-1.63E+00	1.38E+00	4.06E+00	pCi/L	U
1145	597936006	10/24/2022	Tellurium-132	-6.72E+00	3.09E+00	8.44E+00	pCi/L	U
1145	601450005	11/21/2022	Tellurium-132	1.96E+00	7.12E+00	2.31E+01	pCi/L	U
1145	604619006	12/19/2022	Tellurium-132	-3.33E+00	8.99E+00	2.74E+01	pCi/L	U
1145	567643009	1/18/2022	Thallium-208	7.42E-01	1.39E+00	2.61E+00	pCi/L	U
1145	570264009	2/14/2022	Thallium-208	-5.35E-01	8.92E-01	1.76E+00	pCi/L	U
1145	573043006	3/14/2022	Thallium-208	3.54E+00	1.91E+00	3.20E+00	pCi/L	UI
1145	576091007	4/11/2022	Thallium-208	3.82E+00	2.52E+00	3.26E+00	pCi/L	UI
1145	579261006	5/9/2022	Thallium-208	-2.49E+00	1.14E+00	2.99E+00	pCi/L	U
1145	581945007	6/6/2022	Thallium-208	9.81E-01	1.81E+00	2.57E+00	pCi/L	U
1145	584821006	7/4/2022	Thallium-208	1.84E+00	1.81E+00	3.44E+00	pCi/L	U
1145	587888006	8/1/2022	Thallium-208	8.28E-01	1.84E+00	6.03E+00	pCi/L	U
1145	590547007	8/29/2022	Thallium-208	-7.07E-01	1.65E+00	5.48E+00	pCi/L	U
1145	594423005	9/26/2022	Thallium-208	-8.12E-01	1.15E+00	3.54E+00	pCi/L	U
1145	597936006	10/24/2022	Thallium-208	1.85E+00	1.69E+00	5.60E+00	pCi/L	U
1145	601450005	11/21/2022	Thallium-208	-2.07E-01	1.32E+00	4.34E+00	pCi/L	U
1145	604619006	12/19/2022	Thallium-208	2.78E+00	1.42E+00	5.06E+00	pCi/L	U
1145	567643009	1/18/2022	Thorium-228	2.82E+00	2.64E+00	5.93E+00	pCi/L	U
1145	570264009	2/14/2022	Thorium-228	2.20E+00	1.68E+00	3.40E+00	pCi/L	U
1145	573043006	3/14/2022	Thorium-228	4.89E+00	3.45E+00	9.06E+00	pCi/L	U
1145	576091007	4/11/2022	Thorium-228	-3.94E+00	3.40E+00	9.00E+00	pCi/L	U
1145	579261006	5/9/2022	Thorium-228	3.15E+00	3.15E+00	6.47E+00	pCi/L	U
1145	581945007	6/6/2022	Thorium-228	2.83E+00	3.30E+00	6.00E+00	pCi/L	U
1145	584821006	7/4/2022	Thorium-228	3.54E+00	3.36E+00	8.54E+00	pCi/L	U
1145	587888006	8/1/2022	Thorium-228	6.28E+00	5.03E+00	1.04E+01	pCi/L	U
1145	590547007	8/29/2022	Thorium-228	4.60E+00	3.93E+00	1.09E+01	pCi/L	U
1145	594423005	9/26/2022	Thorium-228	7.09E+00	2.22E+00	7.76E+00	pCi/L	U
1145	597936006	10/24/2022	Thorium-228	-4.68E-01	2.95E+00	9.13E+00	pCi/L	U
1145	601450005	11/21/2022	Thorium-228	6.89E+00	4.12E+00	8.71E+00	pCi/L	U
1145	604619006	12/19/2022	Thorium-228	-2.61E+00	2.20E+00	7.10E+00	pCi/L	U
1145	567643009	1/18/2022	Thorium-230	1.86E+03	4.86E+02	9.65E+02	pCi/L	UI
1145	570264009	2/14/2022	Thorium-230	-1.21E+02	1.83E+02	5.56E+02	pCi/L	U
1145	573043006	3/14/2022	Thorium-230	-5.37E+02	6.67E+02	1.93E+03	pCi/L	U
1145	576091007	4/11/2022	Thorium-230	4.20E+03	1.96E+03	2.28E+03	pCi/L	UI
1145	579261006	5/9/2022	Thorium-230	2.61E+02	4.93E+02	1.46E+03	pCi/L	U
1145	581945007	6/6/2022	Thorium-230	-2.13E+02	3.37E+02	1.08E+03	pCi/L	U
1145	584821006	7/4/2022	Thorium-228	3.54E+00	3.36E+00	8.54E+00	pCi/L	U
1145	587888006	8/1/2022	Thorium-228	6.28E+00	5.03E+00	1.04E+01	pCi/L	U
1145	590547007	8/29/2022	Thorium-228	4.60E+00	3.93E+00	1.09E+01	pCi/L	U
1145	594423005	9/26/2022	Thorium-228	7.09E+00	2.22E+00	7.76E+00	pCi/L	U
1145	597936006	10/24/2022	Thorium-228	-4.68E-01	2.95E+00	9.13E+00	pCi/L	U
1145	601450005	11/21/2022	Thorium-228	6.89E+00	4.12E+00	8.71E+00	pCi/L	U
1145	604619006	12/19/2022	Thorium-228	-2.61E+00	2.20E+00	7.10E+00	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	567643009	1/18/2022	Thorium-230	1.86E+03	4.86E+02	9.65E+02	pCi/L	UI
1145	570264009	2/14/2022	Thorium-230	-1.21E+02	1.83E+02	5.56E+02	pCi/L	U
1145	573043006	3/14/2022	Thorium-230	-5.37E+02	6.67E+02	1.93E+03	pCi/L	U
1145	576091007	4/11/2022	Thorium-230	4.20E+03	1.96E+03	2.28E+03	pCi/L	UI
1145	579261006	5/9/2022	Thorium-230	2.61E+02	4.93E+02	1.46E+03	pCi/L	U
1145	581945007	6/6/2022	Thorium-230	-2.13E+02	3.37E+02	1.08E+03	pCi/L	U
1145	584821006	7/4/2022	Thorium-230	1.27E+03	8.25E+02	1.54E+03	pCi/L	U
1145	587888006	8/1/2022	Thorium-230	-1.08E+03	8.01E+02	2.43E+03	pCi/L	U
1145	590547007	8/29/2022	Thorium-230	1.23E+03	7.70E+02	1.29E+03	pCi/L	U
1145	594423005	9/26/2022	Thorium-230	-4.72E+02	3.44E+02	9.52E+02	pCi/L	U
1145	597936006	10/24/2022	Thorium-230	-5.51E+01	7.98E+02	2.47E+03	pCi/L	U
1145	601450005	11/21/2022	Thorium-230	2.08E+03	8.08E+02	1.47E+03	pCi/L	UI
1145	604619006	12/19/2022	Thorium-230	3.23E+02	4.88E+02	1.54E+03	pCi/L	U
1145	567643009	1/18/2022	Thorium-232	-6.72E+02	8.64E+02	2.09E+03	pCi/L	U
1145	570264009	2/14/2022	Thorium-232	7.08E+02	6.26E+02	9.90E+02	pCi/L	U
1145	573043006	3/14/2022	Thorium-232	9.56E+02	1.41E+03	3.07E+03	pCi/L	U
1145	576091007	4/11/2022	Thorium-232	7.32E+02	1.57E+03	5.05E+03	pCi/L	U
1145	579261006	5/9/2022	Thorium-232	-3.09E+03	1.29E+03	3.13E+03	pCi/L	U
1145	581945007	6/6/2022	Thorium-232	-7.13E+02	7.12E+02	2.26E+03	pCi/L	U
1145	584821006	7/4/2022	Thorium-232	-1.10E+03	9.93E+02	2.94E+03	pCi/L	U
1145	587888006	8/1/2022	Thorium-232	2.31E+02	1.60E+03	4.97E+03	pCi/L	U
1145	590547007	8/29/2022	Thorium-232	1.24E+03	1.07E+03	2.21E+03	pCi/L	U
1145	594423005	9/26/2022	Thorium-232	4.43E+03	1.26E+03	1.63E+03	pCi/L	
1145	597936006	10/24/2022	Thorium-232	2.10E+03	2.12E+03	4.21E+03	pCi/L	U
1145	601450005	11/21/2022	Thorium-232	4.68E+02	1.37E+03	2.23E+03	pCi/L	U
1145	604619006	12/19/2022	Thorium-232	-2.32E+03	9.21E+02	2.83E+03	pCi/L	U
1145	567643009	1/18/2022	Thorium-234	-4.27E+01	6.24E+01	1.52E+02	pCi/L	U
1145	570264009	2/14/2022	Thorium-234	4.98E+01	4.40E+01	7.15E+01	pCi/L	U
1145	573043006	3/14/2022	Thorium-234	6.71E+01	9.90E+01	2.23E+02	pCi/L	U
1145	576091007	4/11/2022	Thorium-234	2.17E+01	1.17E+02	3.70E+02	pCi/L	U
1145	579261006	5/9/2022	Thorium-234	-2.34E+02	9.41E+01	2.29E+02	pCi/L	U
1145	581945007	6/6/2022	Thorium-234	-2.44E+01	4.97E+01	1.61E+02	pCi/L	U
1145	584821006	7/4/2022	Thorium-234	2.04E+01	6.68E+01	2.11E+02	pCi/L	U
1145	587888006	8/1/2022	Thorium-234	-6.38E+01	1.19E+02	3.57E+02	pCi/L	U
1145	590547007	8/29/2022	Thorium-234	8.72E+01	7.48E+01	1.59E+02	pCi/L	U
1145	594423005	9/26/2022	Thorium-234	3.11E+02	8.85E+01	1.17E+02	pCi/L	
1145	597936006	10/24/2022	Thorium-234	1.48E+02	1.49E+02	3.07E+02	pCi/L	U
1145	601450005	11/21/2022	Thorium-234	3.29E+01	9.65E+01	1.61E+02	pCi/L	U
1145	604619006	12/19/2022	Thorium-234	-1.48E+02	6.53E+01	2.03E+02	pCi/L	U
1145	576887006	3/14/2022	Tritium	-4.30E+02	2.13E+02	7.37E+02	pCi/L	U
1145	585634007	6/6/2022	Tritium	-3.67E+01	2.04E+02	6.76E+02	pCi/L	U
1145	600026005	9/26/2022	Tritium	2.39E+02	2.03E+02	6.47E+02	pCi/L	U
1145	609577006	12/19/2022	Tritium	-6.56E+01	2.37E+02	7.85E+02	pCi/L	U
1145	567643009	1/18/2022	Uranium-234	3.78E+02	2.02E+03	6.80E+03	pCi/L	U
1145	570264009	2/14/2022	Uranium-234	-1.69E+03	1.89E+03	4.71E+03	pCi/L	U
1145	573043006	3/14/2022	Uranium-234	2.64E+03	4.86E+03	1.71E+04	pCi/L	U

Table 13: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1145	576091007	4/11/2022	Uranium-234	-5.97E+02	6.32E+03	2.13E+04	pCi/L	U
1145	579261006	5/9/2022	Uranium-234	1.47E+04	6.68E+03	1.30E+04	pCi/L	UI
1145	581945007	6/6/2022	Uranium-234	-7.95E+02	1.82E+03	5.93E+03	pCi/L	U
1145	584821006	7/4/2022	Uranium-234	6.59E+03	3.02E+03	1.11E+04	pCi/L	U
1145	587888006	8/1/2022	Uranium-234	2.25E+03	7.42E+03	2.55E+04	pCi/L	U
1145	590547007	8/29/2022	Uranium-234	1.84E+03	2.58E+03	8.92E+03	pCi/L	U
1145	594423005	9/26/2022	Uranium-234	4.85E+03	2.76E+03	6.75E+03	pCi/L	U
1145	597936006	10/24/2022	Uranium-234	1.89E+03	6.66E+03	2.29E+04	pCi/L	U
1145	601450005	11/21/2022	Uranium-234	1.58E+03	3.39E+03	1.18E+04	pCi/L	U
1145	604619006	12/19/2022	Uranium-234	3.17E+03	3.52E+03	1.12E+04	pCi/L	U
1145	567643009	1/18/2022	Zinc-65	7.09E-01	1.65E+00	5.40E+00	pCi/L	U
1145	570264009	2/14/2022	Zinc-65	-1.48E+00	9.26E-01	2.87E+00	pCi/L	U
1145	573043006	3/14/2022	Zinc-65	-3.30E-01	2.03E+00	6.55E+00	pCi/L	U
1145	576091007	4/11/2022	Zinc-65	2.35E+00	2.81E+00	1.03E+01	pCi/L	U
1145	579261006	5/9/2022	Zinc-65	-3.04E-01	1.94E+00	5.37E+00	pCi/L	U
1145	581945007	6/6/2022	Zinc-65	-1.47E+00	1.73E+00	5.23E+00	pCi/L	U
1145	584821006	7/4/2022	Zinc-65	1.19E-01	1.99E+00	6.78E+00	pCi/L	U
1145	587888006	8/1/2022	Zinc-65	-1.44E+00	2.47E+00	7.73E+00	pCi/L	U
1145	590547007	8/29/2022	Zinc-65	-9.80E-01	1.86E+00	5.75E+00	pCi/L	U
1145	594423005	9/26/2022	Zinc-65	-1.20E+00	1.86E+00	5.08E+00	pCi/L	U
1145	597936006	10/24/2022	Zinc-65	9.87E-02	2.77E+00	9.40E+00	pCi/L	U
1145	601450005	11/21/2022	Zinc-65	2.99E-01	1.84E+00	5.75E+00	pCi/L	U
1145	604619006	12/19/2022	Zinc-65	-9.34E-01	1.88E+00	5.98E+00	pCi/L	U
1145	567643009	1/18/2022	Zirconium-95	7.29E-01	1.42E+00	4.76E+00	pCi/L	U
1145	570264009	2/14/2022	Zirconium-95	4.96E-01	7.68E-01	2.56E+00	pCi/L	U
1145	573043006	3/14/2022	Zirconium-95	4.51E+00	2.08E+00	8.06E+00	pCi/L	U
1145	576091007	4/11/2022	Zirconium-95	3.59E-01	2.33E+00	7.68E+00	pCi/L	U
1145	579261006	5/9/2022	Zirconium-95	5.22E-02	1.45E+00	4.81E+00	pCi/L	U
1145	581945007	6/6/2022	Zirconium-95	-3.06E+00	2.02E+00	5.62E+00	pCi/L	U
1145	584821006	7/4/2022	Zirconium-95	8.22E-01	1.99E+00	6.09E+00	pCi/L	U
1145	587888006	8/1/2022	Zirconium-95	-1.57E+00	2.37E+00	7.10E+00	pCi/L	U
1145	590547007	8/29/2022	Zirconium-95	-2.55E+00	1.73E+00	4.39E+00	pCi/L	U
1145	594423005	9/26/2022	Zirconium-95	1.28E+01	4.45E+00	5.00E+00	pCi/L	M
1145	597936006	10/24/2022	Zirconium-95	5.48E-01	2.11E+00	7.05E+00	pCi/L	U
1145	601450005	11/21/2022	Zirconium-95	2.51E+00	1.68E+00	6.46E+00	pCi/L	U
1145	604619006	12/19/2022	Zirconium-95	-1.07E+00	1.90E+00	5.78E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1121	576887002	3/14/2022	Actinium-228	2.08E+00	3.82E+00	3.48E+00	pCi/L	U
1121	588877001	6/6/2022	Actinium-228	-1.31E+01	9.99E+00	2.18E+01	pCi/L	U
1121	600026001	9/26/2022	Actinium-228	2.70E+00	4.40E+00	5.95E+00	pCi/L	U
1121	609577002	12/19/2022	Actinium-228	-5.57E+00	5.26E+00	7.74E+00	pCi/L	U
1121	576887002	3/14/2022	Americium-241	9.76E-01	1.64E+00	5.11E+00	pCi/L	U
1121	588877001	6/6/2022	Americium-241	1.83E+00	1.20E+01	3.77E+01	pCi/L	U
1121	600026001	9/26/2022	Americium-241	-9.31E+00	5.72E+00	1.17E+01	pCi/L	U
1121	609577002	12/19/2022	Americium-241	3.51E+00	4.29E+00	1.26E+01	pCi/L	U
1121	576887002	3/14/2022	Antimony-124	-5.76E-01	9.98E-01	3.03E+00	pCi/L	U
1121	588877001	6/6/2022	Antimony-124	-2.53E+00	6.44E+00	2.07E+01	pCi/L	U
1121	600026001	9/26/2022	Antimony-124	2.26E+00	1.75E+00	6.02E+00	pCi/L	U
1121	609577002	12/19/2022	Antimony-124	9.17E-01	2.33E+00	7.78E+00	pCi/L	U
1121	576887002	3/14/2022	Antimony-125	-9.24E-01	8.16E-01	2.66E+00	pCi/L	U
1121	588877001	6/6/2022	Antimony-125	-3.82E+00	3.61E+00	1.19E+01	pCi/L	U
1121	600026001	9/26/2022	Antimony-125	1.98E+00	1.38E+00	4.59E+00	pCi/L	U
1121	609577002	12/19/2022	Antimony-125	2.65E+00	1.31E+00	4.52E+00	pCi/L	U
1121	576887002	3/14/2022	Barium-140	2.07E+00	8.50E+00	2.84E+01	pCi/L	U
1121	588877001	6/6/2022	Barium-140	-2.94E+01	1.96E+02	5.82E+02	pCi/L	U
1121	600026001	9/26/2022	Barium-140	1.17E+01	2.99E+01	9.63E+01	pCi/L	U
1121	609577002	12/19/2022	Barium-140	-7.94E+01	6.44E+01	2.01E+02	pCi/L	U
1121	576887002	3/14/2022	Beryllium-7	2.38E+00	4.16E+00	1.41E+01	pCi/L	U
1121	588877001	6/6/2022	Beryllium-7	-1.07E+01	2.41E+01	8.01E+01	pCi/L	U
1121	600026001	9/26/2022	Beryllium-7	-6.62E+00	7.66E+00	2.41E+01	pCi/L	U
1121	609577002	12/19/2022	Beryllium-7	-2.92E+00	8.82E+00	2.84E+01	pCi/L	U
1121	576887002	3/14/2022	Bismuth-214	2.36E+00	1.39E+00	2.09E+00	pCi/L	UI
1121	588877001	6/6/2022	Bismuth-214	8.58E+00	7.72E+00	9.35E+00	pCi/L	U
1121	600026001	9/26/2022	Bismuth-214	-7.49E-01	2.25E+00	4.40E+00	pCi/L	U
1121	609577002	12/19/2022	Bismuth-214	3.75E+00	2.72E+00	2.95E+00	pCi/L	UI
1121	576887002	3/14/2022	Cerium-141	1.44E-01	1.13E+00	3.36E+00	pCi/L	U
1121	588877001	6/6/2022	Cerium-141	-1.59E+01	8.19E+00	2.56E+01	pCi/L	U
1121	600026001	9/26/2022	Cerium-141	7.68E-01	5.59E+00	7.65E+00	pCi/L	U
1121	609577002	12/19/2022	Cerium-141	-5.16E+00	3.12E+00	1.04E+01	pCi/L	U
1121	576887002	3/14/2022	Cerium-144	-3.20E+00	2.29E+00	7.19E+00	pCi/L	U
1121	588877001	6/6/2022	Cerium-144	5.55E+00	9.81E+00	3.23E+01	pCi/L	U
1121	600026001	9/26/2022	Cerium-144	-2.69E+00	3.73E+00	1.25E+01	pCi/L	U
1121	609577002	12/19/2022	Cerium-144	-3.95E+00	3.75E+00	1.26E+01	pCi/L	U
1121	576887002	3/14/2022	Cesium-134	8.21E-01	3.70E-01	1.29E+00	pCi/L	U
1121	588877001	6/6/2022	Cesium-134	9.68E-01	1.62E+00	5.39E+00	pCi/L	U
1121	600026001	9/26/2022	Cesium-134	8.79E-02	5.10E-01	1.72E+00	pCi/L	U
1121	609577002	12/19/2022	Cesium-134	-3.99E-01	5.64E-01	1.74E+00	pCi/L	U
1121	576887002	3/14/2022	Cesium-137	1.67E-01	3.07E-01	1.02E+00	pCi/L	U
1121	588877001	6/6/2022	Cesium-137	2.12E+00	1.44E+00	4.98E+00	pCi/L	U
1121	600026001	9/26/2022	Cesium-137	8.01E-02	8.57E-01	1.72E+00	pCi/L	U
1121	609577002	12/19/2022	Cesium-137	2.43E+00	1.28E+00	1.50E+00	pCi/L	UI
1121	576887002	3/14/2022	Chromium-51	2.80E+00	6.19E+00	2.13E+01	pCi/L	U
1121	588877001	6/6/2022	Chromium-51	5.29E+01	5.58E+01	1.78E+02	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1121	600026001	9/26/2022	Chromium-51	-3.85E+00	1.41E+01	4.59E+01	pCi/L	U
1121	609577002	12/19/2022	Chromium-51	-3.65E+01	1.99E+01	6.31E+01	pCi/L	U
1121	576887002	3/14/2022	Cobalt-57	1.86E-01	3.06E-01	1.00E+00	pCi/L	U
1121	588877001	6/6/2022	Cobalt-57	3.93E+00	1.64E+00	4.08E+00	pCi/L	U
1121	600026001	9/26/2022	Cobalt-57	1.16E+00	7.44E-01	1.70E+00	pCi/L	U
1121	609577002	12/19/2022	Cobalt-57	3.96E-01	4.99E-01	1.72E+00	pCi/L	U
1121	576887002	3/14/2022	Cobalt-58	1.06E-01	4.47E-01	1.45E+00	pCi/L	U
1121	588877001	6/6/2022	Cobalt-58	-6.92E-01	2.55E+00	8.20E+00	pCi/L	U
1121	600026001	9/26/2022	Cobalt-58	1.14E+00	6.98E-01	2.45E+00	pCi/L	U
1121	609577002	12/19/2022	Cobalt-58	1.63E-01	8.91E-01	2.84E+00	pCi/L	U
1121	576887002	3/14/2022	Cobalt-60	2.56E-01	3.15E-01	1.09E+00	pCi/L	U
1121	588877001	6/6/2022	Cobalt-60	-1.67E-01	1.50E+00	5.02E+00	pCi/L	U
1121	600026001	9/26/2022	Cobalt-60	2.12E-01	4.77E-01	1.58E+00	pCi/L	U
1121	609577002	12/19/2022	Cobalt-60	5.63E-01	5.23E-01	1.82E+00	pCi/L	U
1121	576887002	3/14/2022	Iodine-131	-1.21E+01	7.96E+00	2.60E+01	pCi/L	U
1121	588877001	6/6/2022	Iodine-131	-5.36E+02	4.12E+02	1.37E+03	pCi/L	U
1121	600026001	9/26/2022	Iodine-131	-1.81E+01	4.43E+01	1.43E+02	pCi/L	U
1121	609577002	12/19/2022	Iodine-131	6.16E+01	1.52E+02	5.04E+02	pCi/L	U
1121	576887002	3/14/2022	Iron-59	-1.69E+00	1.08E+00	3.44E+00	pCi/L	U
1121	588877001	6/6/2022	Iron-59	-1.34E-01	7.40E+00	2.35E+01	pCi/L	U
1121	600026001	9/26/2022	Iron-59	-5.85E+00	3.41E+00	5.89E+00	pCi/L	U
1121	609577002	12/19/2022	Iron-59	-1.48E+00	2.45E+00	8.00E+00	pCi/L	U
1121	576887002	3/14/2022	Lanthanum-140	-9.47E-01	2.99E+00	9.70E+00	pCi/L	U
1121	588877001	6/6/2022	Lanthanum-140	-2.77E+00	6.42E+01	1.86E+02	pCi/L	U
1121	600026001	9/26/2022	Lanthanum-140	3.09E+00	8.93E+00	2.92E+01	pCi/L	U
1121	609577002	12/19/2022	Lanthanum-140	2.33E+01	2.37E+01	8.13E+01	pCi/L	U
1121	576887002	3/14/2022	Lead-210	-4.15E+01	6.26E+01	1.11E+02	pCi/L	U
1121	588877001	6/6/2022	Lead-210	5.09E+02	1.14E+03	1.64E+03	pCi/L	U
1121	600026001	9/26/2022	Lead-210	-2.66E+02	1.84E+02	3.54E+02	pCi/L	U
1121	609577002	12/19/2022	Lead-210	-1.40E+02	2.02E+02	4.21E+02	pCi/L	U
1121	576887002	3/14/2022	Lead-212	1.31E+00	1.36E+00	1.81E+00	pCi/L	U
1121	588877001	6/6/2022	Lead-212	4.27E+00	5.91E+00	7.96E+00	pCi/L	U
1121	600026001	9/26/2022	Lead-212	4.89E-01	2.16E+00	3.63E+00	pCi/L	U
1121	609577002	12/19/2022	Lead-212	2.23E+00	2.18E+00	3.15E+00	pCi/L	U
1121	576887002	3/14/2022	Lead-214	3.64E-01	1.68E+00	2.63E+00	pCi/L	U
1121	588877001	6/6/2022	Lead-214	-6.93E+00	5.18E+00	1.07E+01	pCi/L	U
1121	600026001	9/26/2022	Lead-214	2.40E+00	2.84E+00	4.37E+00	pCi/L	U
1121	609577002	12/19/2022	Lead-214	1.78E+00	2.93E+00	4.14E+00	pCi/L	U
1121	576887002	3/14/2022	Manganese-54	-2.81E-01	3.39E-01	1.06E+00	pCi/L	U
1121	588877001	6/6/2022	Manganese-54	-7.80E+00	2.58E+00	5.08E+00	pCi/L	U
1121	600026001	9/26/2022	Manganese-54	6.39E-01	4.86E-01	1.69E+00	pCi/L	U
1121	609577002	12/19/2022	Manganese-54	-1.90E-01	5.07E-01	1.70E+00	pCi/L	U
1121	576887002	3/14/2022	Molybdenum-99	-3.33E+04	3.66E+04	0.00E+00	pCi/L	U
1121	588877001	6/6/2022	Molybdenum-99	6.25E+08	2.53E+08	0.00E+00	pCi/L	UI
1121	600026001	9/26/2022	Molybdenum-99	2.25E+05	1.91E+06	0.00E+00	pCi/L	UI
1121	609577002	12/19/2022	Molybdenum-99	1.19E+08	9.09E+07	0.00E+00	pCi/L	UI

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1121	576887002	3/14/2022	Niobium-95	9.27E-01	4.50E-01	1.57E+00	pCi/L	U
1121	588877001	6/6/2022	Niobium-95	2.05E+00	2.65E+00	8.52E+00	pCi/L	U
1121	600026001	9/26/2022	Niobium-95	6.72E-01	8.07E-01	2.78E+00	pCi/L	U
1121	609577002	12/19/2022	Niobium-95	-2.85E-01	9.96E-01	3.13E+00	pCi/L	U
1121	576887002	3/14/2022	Potassium-40	1.12E+01	9.95E+00	9.89E+00	pCi/L	UI
1121	588877001	6/6/2022	Potassium-40	2.96E+01	5.09E+01	4.55E+01	pCi/L	U
1121	600026001	9/26/2022	Potassium-40	1.64E+00	1.67E+01	1.64E+01	pCi/L	U
1121	609577002	12/19/2022	Potassium-40	-1.23E+01	1.08E+01	2.50E+01	pCi/L	U
1121	576887002	3/14/2022	Radium-226	1.63E+01	1.70E+01	2.17E+01	pCi/L	U
1121	588877001	6/6/2022	Radium-226	1.04E+02	8.03E+01	8.23E+01	pCi/L	UI
1121	600026001	9/26/2022	Radium-226	1.02E+00	2.71E+01	3.50E+01	pCi/L	U
1121	609577002	12/19/2022	Radium-226	-3.00E+01	2.55E+01	4.88E+01	pCi/L	U
1121	576887002	3/14/2022	Radium-228	2.08E+00	3.82E+00	3.48E+00	pCi/L	U
1121	588877001	6/6/2022	Radium-228	-1.31E+01	9.99E+00	2.18E+01	pCi/L	U
1121	600026001	9/26/2022	Radium-228	2.70E+00	4.40E+00	5.95E+00	pCi/L	U
1121	609577002	12/19/2022	Radium-228	-5.57E+00	5.26E+00	7.74E+00	pCi/L	U
1121	576887002	3/14/2022	Ruthenium-103	4.04E-01	6.18E-01	1.89E+00	pCi/L	U
1121	588877001	6/6/2022	Ruthenium-103	1.22E+00	3.84E+00	1.30E+01	pCi/L	U
1121	600026001	9/26/2022	Ruthenium-103	-3.10E+00	2.01E+00	3.53E+00	pCi/L	U
1121	609577002	12/19/2022	Ruthenium-103	-3.15E+00	1.43E+00	4.34E+00	pCi/L	U
1121	576887002	3/14/2022	Ruthenium-106	-2.47E+00	3.05E+00	9.77E+00	pCi/L	U
1121	588877001	6/6/2022	Ruthenium-106	1.68E+01	1.38E+01	4.74E+01	pCi/L	U
1121	600026001	9/26/2022	Ruthenium-106	-1.49E+00	4.69E+00	1.47E+01	pCi/L	U
1121	609577002	12/19/2022	Ruthenium-106	-4.24E+00	4.89E+00	1.53E+01	pCi/L	U
1121	576887002	3/14/2022	Selenium-75	-6.77E-01	5.21E-01	1.57E+00	pCi/L	U
1121	588877001	6/6/2022	Selenium-75	6.65E+00	3.69E+00	8.28E+00	pCi/L	U
1121	600026001	9/26/2022	Selenium-75	-1.74E+00	1.41E+00	2.85E+00	pCi/L	U
1121	609577002	12/19/2022	Selenium-75	1.35E+00	8.86E-01	3.04E+00	pCi/L	U
1121	576887002	3/14/2022	Silver-108m	-3.66E-01	2.67E-01	8.64E-01	pCi/L	U
1121	588877001	6/6/2022	Silver-108m	1.25E+00	1.14E+00	3.97E+00	pCi/L	U
1121	600026001	9/26/2022	Silver-108m	-5.05E-01	4.33E-01	1.36E+00	pCi/L	U
1121	609577002	12/19/2022	Silver-108m	9.97E-01	4.12E-01	1.43E+00	pCi/L	U
1121	576887002	3/14/2022	Silver-110m	-1.42E-01	4.88E-01	1.55E+00	pCi/L	U
1121	588877001	6/6/2022	Silver-110m	-1.46E+00	2.08E+00	6.50E+00	pCi/L	U
1121	600026001	9/26/2022	Silver-110m	-1.16E-01	7.00E-01	2.33E+00	pCi/L	U
1121	609577002	12/19/2022	Silver-110m	-7.65E-01	6.99E-01	2.28E+00	pCi/L	U
1121	576887002	3/14/2022	Tellurium-132	-1.71E+02	1.16E+03	0.00E+00	pCi/L	U
1121	588877001	6/6/2022	Tellurium-132	2.18E+06	2.67E+06	0.00E+00	pCi/L	UI
1121	600026001	9/26/2022	Tellurium-132	-1.42E+04	3.69E+04	0.00E+00	pCi/L	U
1121	609577002	12/19/2022	Tellurium-132	1.26E+06	9.43E+05	0.00E+00	pCi/L	UI
1121	576887002	3/14/2022	Thallium-208	8.96E-01	8.79E-01	1.10E+00	pCi/L	U
1121	588877001	6/6/2022	Thallium-208	1.40E+00	3.65E+00	4.92E+00	pCi/L	U
1121	600026001	9/26/2022	Thallium-208	1.42E-01	1.45E+00	1.57E+00	pCi/L	U
1121	609577002	12/19/2022	Thallium-208	5.52E-01	1.34E+00	1.68E+00	pCi/L	U
1121	576887002	3/14/2022	Thorium-228	1.31E+00	1.36E+00	1.81E+00	pCi/L	U
1121	588877001	6/6/2022	Thorium-228	4.27E+00	5.91E+00	7.96E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1121	600026001	9/26/2022	Thorium-228	4.89E-01	2.16E+00	3.63E+00	pCi/L	U
1121	609577002	12/19/2022	Thorium-228	2.23E+00	2.18E+00	3.15E+00	pCi/L	U
1121	576887002	3/14/2022	Thorium-230	-4.87E+02	1.71E+02	3.47E+02	pCi/L	U
1121	588877001	6/6/2022	Thorium-230	4.41E+03	1.23E+03	2.13E+03	pCi/L	UI
1121	600026001	9/26/2022	Thorium-230	1.09E+03	3.94E+02	7.32E+02	pCi/L	UI
1121	609577002	12/19/2022	Thorium-230	1.03E+03	3.95E+02	7.50E+02	pCi/L	UI
1121	576887002	3/14/2022	Thorium-232	3.11E+02	4.10E+02	6.08E+02	pCi/L	U
1121	588877001	6/6/2022	Thorium-232	1.32E+02	2.90E+03	3.82E+03	pCi/L	U
1121	600026001	9/26/2022	Thorium-232	2.06E+02	8.23E+02	1.29E+03	pCi/L	U
1121	609577002	12/19/2022	Thorium-232	1.02E+03	1.02E+03	1.34E+03	pCi/L	U
1121	576887002	3/14/2022	Thorium-234	2.19E+01	2.88E+01	5.61E+01	pCi/L	U
1121	588877001	6/6/2022	Thorium-234	9.30E+00	2.04E+02	2.78E+02	pCi/L	U
1121	600026001	9/26/2022	Thorium-234	1.45E+01	5.78E+01	9.32E+01	pCi/L	U
1121	609577002	12/19/2022	Thorium-234	7.14E+01	7.15E+01	9.72E+01	pCi/L	U
1121	576887002	3/14/2022	Tritium	-5.24E+02	2.22E+02	7.75E+02	pCi/L	U
1121	585634003	6/6/2022	Tritium	-1.89E+02	1.90E+02	6.56E+02	pCi/L	U
1121	600026001	9/26/2022	Tritium	-1.30E+02	2.00E+02	6.69E+02	pCi/L	U
1121	609577002	12/19/2022	Tritium	-1.14E+02	2.30E+02	7.67E+02	pCi/L	U
1121	576887002	3/14/2022	Uranium-234	3.36E+03	1.06E+03	2.03E+03	pCi/L	UI
1121	588877001	6/6/2022	Uranium-234	1.07E+04	6.32E+03	2.21E+04	pCi/L	U
1121	600026001	9/26/2022	Uranium-234	6.95E+02	1.86E+03	5.84E+03	pCi/L	U
1121	609577002	12/19/2022	Uranium-234	2.11E+03	2.06E+03	6.59E+03	pCi/L	U
1121	576887002	3/14/2022	Zinc-65	-3.72E-01	7.39E-01	2.46E+00	pCi/L	U
1121	588877001	6/6/2022	Zinc-65	-9.67E+00	5.18E+00	1.16E+01	pCi/L	U
1121	600026001	9/26/2022	Zinc-65	8.95E-01	1.16E+00	3.48E+00	pCi/L	U
1121	609577002	12/19/2022	Zinc-65	6.49E-01	1.20E+00	3.66E+00	pCi/L	U
1121	576887002	3/14/2022	Zirconium-95	4.49E-01	7.81E-01	2.59E+00	pCi/L	U
1121	588877001	6/6/2022	Zirconium-95	1.34E+00	5.04E+00	1.49E+01	pCi/L	U
1121	600026001	9/26/2022	Zirconium-95	-2.77E-01	1.33E+00	4.46E+00	pCi/L	U
1121	609577002	12/19/2022	Zirconium-95	-7.48E+00	2.80E+00	5.10E+00	pCi/L	U
1137	576887003	3/14/2022	Actinium-228	9.29E+00	3.50E+00	7.57E+00	pCi/L	UI
1137	576887003	3/14/2022	Actinium-228	9.65E+00	2.93E+00	4.60E+00	pCi/L	U
1137	588877002	6/6/2022	Actinium-228	-2.21E+01	1.22E+01	2.47E+01	pCi/L	U
1137	600026002	9/26/2022	Actinium-228	-6.38E+00	3.17E+00	6.57E+00	pCi/L	U
1137	609577003	12/19/2022	Actinium-228	1.99E-01	5.57E+00	7.71E+00	pCi/L	U
1137	576887003	3/14/2022	Americium-241	-2.90E-01	8.43E-01	2.58E+00	pCi/L	U
1137	576887003	3/14/2022	Americium-241	-3.05E+00	4.47E+00	8.62E+00	pCi/L	U
1137	588877002	6/6/2022	Americium-241	-4.23E+00	1.11E+01	3.31E+01	pCi/L	U
1137	600026002	9/26/2022	Americium-241	-1.47E+00	4.50E+00	1.28E+01	pCi/L	U
1137	609577003	12/19/2022	Americium-241	-1.40E+00	3.96E+00	1.18E+01	pCi/L	U
1137	576887003	3/14/2022	Antimony-124	1.56E-01	1.51E+00	4.88E+00	pCi/L	U
1137	576887003	3/14/2022	Antimony-124	1.85E-01	1.69E+00	5.62E+00	pCi/L	U
1137	588877002	6/6/2022	Antimony-124	4.84E+00	7.11E+00	2.14E+01	pCi/L	U
1137	600026002	9/26/2022	Antimony-124	4.72E+00	2.72E+00	5.37E+00	pCi/L	U
1137	609577003	12/19/2022	Antimony-124	-1.86E+00	2.10E+00	6.73E+00	pCi/L	U
1137	576887003	3/14/2022	Antimony-125	1.27E+00	1.18E+00	4.03E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1137	576887003	3/14/2022	Antimony-125	7.65E-01	9.17E-01	3.19E+00	pCi/L	U
1137	588877002	6/6/2022	Antimony-125	7.06E-01	4.13E+00	1.37E+01	pCi/L	U
1137	600026002	9/26/2022	Antimony-125	-1.04E+00	1.20E+00	3.77E+00	pCi/L	U
1137	609577003	12/19/2022	Antimony-125	-8.21E-01	1.41E+00	4.54E+00	pCi/L	U
1137	576887003	3/14/2022	Barium-140	3.19E+01	1.22E+01	4.31E+01	pCi/L	U
1137	576887003	3/14/2022	Barium-140	7.50E+00	3.25E+01	1.10E+02	pCi/L	U
1137	588877002	6/6/2022	Barium-140	6.99E+01	1.89E+02	6.24E+02	pCi/L	U
1137	600026002	9/26/2022	Barium-140	3.70E+00	2.34E+01	7.50E+01	pCi/L	U
1137	609577003	12/19/2022	Barium-140	9.79E+01	6.62E+01	2.21E+02	pCi/L	U
1137	576887003	3/14/2022	Beryllium-7	2.50E+00	5.36E+00	1.79E+01	pCi/L	U
1137	576887003	3/14/2022	Beryllium-7	7.16E+00	5.94E+00	2.07E+01	pCi/L	U
1137	588877002	6/6/2022	Beryllium-7	1.85E+01	2.67E+01	8.95E+01	pCi/L	U
1137	600026002	9/26/2022	Beryllium-7	-2.67E+00	6.68E+00	2.12E+01	pCi/L	U
1137	609577003	12/19/2022	Beryllium-7	-5.58E+00	9.65E+00	3.09E+01	pCi/L	U
1137	576887003	3/14/2022	Bismuth-214	8.17E-02	2.12E+00	3.06E+00	pCi/L	U
1137	576887003	3/14/2022	Bismuth-214	3.48E+00	1.93E+00	2.33E+00	pCi/L	UI
1137	588877002	6/6/2022	Bismuth-214	7.72E+00	7.05E+00	1.04E+01	pCi/L	U
1137	600026002	9/26/2022	Bismuth-214	3.97E+00	1.92E+00	3.56E+00	pCi/L	UI
1137	609577003	12/19/2022	Bismuth-214	-4.38E+00	2.09E+00	4.30E+00	pCi/L	U
1137	576887003	3/14/2022	Cerium-141	-3.15E+00	1.30E+00	3.95E+00	pCi/L	U
1137	576887003	3/14/2022	Cerium-141	8.19E-01	3.84E+00	6.30E+00	pCi/L	U
1137	588877002	6/6/2022	Cerium-141	2.13E+01	1.97E+01	2.79E+01	pCi/L	U
1137	600026002	9/26/2022	Cerium-141	-1.21E+01	4.00E+00	6.86E+00	pCi/L	U
1137	609577003	12/19/2022	Cerium-141	-3.07E+01	6.17E+00	1.08E+01	pCi/L	U
1137	576887003	3/14/2022	Cerium-144	1.46E+00	2.58E+00	8.38E+00	pCi/L	U
1137	576887003	3/14/2022	Cerium-144	-1.99E+00	4.40E+00	9.00E+00	pCi/L	U
1137	588877002	6/6/2022	Cerium-144	-1.48E+01	1.04E+01	3.19E+01	pCi/L	U
1137	600026002	9/26/2022	Cerium-144	3.86E+00	3.32E+00	1.14E+01	pCi/L	U
1137	609577003	12/19/2022	Cerium-144	-4.92E-01	4.15E+00	1.30E+01	pCi/L	U
1137	576887003	3/14/2022	Cesium-134	3.88E-01	1.19E+00	1.86E+00	pCi/L	U
1137	576887003	3/14/2022	Cesium-134	2.19E-01	3.91E-01	1.31E+00	pCi/L	U
1137	588877002	6/6/2022	Cesium-134	-6.57E-01	1.75E+00	5.47E+00	pCi/L	U
1137	600026002	9/26/2022	Cesium-134	1.99E-01	1.31E+00	1.67E+00	pCi/L	U
1137	609577003	12/19/2022	Cesium-134	2.35E-01	5.50E-01	1.87E+00	pCi/L	U
1137	576887003	3/14/2022	Cesium-137	8.03E-01	6.66E-01	1.65E+00	pCi/L	U
1137	576887003	3/14/2022	Cesium-137	-8.86E-01	6.58E-01	1.19E+00	pCi/L	U
1137	588877002	6/6/2022	Cesium-137	1.16E+00	1.51E+00	5.00E+00	pCi/L	U
1137	600026002	9/26/2022	Cesium-137	2.72E-01	4.12E-01	1.42E+00	pCi/L	U
1137	609577003	12/19/2022	Cesium-137	-2.06E+00	1.21E+00	1.80E+00	pCi/L	U
1137	576887003	3/14/2022	Chromium-51	2.34E+01	1.06E+01	2.64E+01	pCi/L	U
1137	576887003	3/14/2022	Chromium-51	-2.93E+01	1.36E+01	4.00E+01	pCi/L	U
1137	588877002	6/6/2022	Chromium-51	4.21E+00	5.81E+01	1.96E+02	pCi/L	U
1137	600026002	9/26/2022	Chromium-51	-8.95E+00	1.26E+01	4.05E+01	pCi/L	U
1137	609577003	12/19/2022	Chromium-51	1.54E+00	2.11E+01	7.02E+01	pCi/L	U
1137	576887003	3/14/2022	Cobalt-57	-5.82E-01	5.16E-01	1.06E+00	pCi/L	U
1137	576887003	3/14/2022	Cobalt-57	6.31E-02	3.53E-01	1.17E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1137	588877002	6/6/2022	Cobalt-57	-1.84E-01	1.38E+00	4.37E+00	pCi/L	U
1137	600026002	9/26/2022	Cobalt-57	-2.06E-01	4.37E-01	1.47E+00	pCi/L	U
1137	609577003	10/3/2022	Cobalt-57	-3.86E-02	5.51E-01	1.73E+00	pCi/L	U
1137	576887003	3/14/2022	Cobalt-58	-3.86E-01	5.79E-01	1.92E+00	pCi/L	U
1137	576887003	3/14/2022	Cobalt-58	4.55E-01	6.66E-01	2.13E+00	pCi/L	U
1137	588877002	6/6/2022	Cobalt-58	2.98E+00	2.87E+00	8.55E+00	pCi/L	U
1137	600026002	9/26/2022	Cobalt-58	-6.70E-02	6.05E-01	2.02E+00	pCi/L	U
1137	609577003	12/19/2022	Cobalt-58	-1.06E+00	1.71E+00	3.07E+00	pCi/L	U
1137	576887003	3/14/2022	Cobalt-60	5.58E-01	8.62E-01	1.52E+00	pCi/L	U
1137	576887003	3/14/2022	Cobalt-60	-2.89E-01	3.94E-01	1.28E+00	pCi/L	U
1137	588877002	6/6/2022	Cobalt-60	1.33E+00	1.56E+00	5.37E+00	pCi/L	U
1137	600026002	9/26/2022	Cobalt-60	-1.50E+00	6.49E-01	1.56E+00	pCi/L	U
1137	609577003	12/19/2022	Cobalt-60	-1.15E-01	4.52E-01	1.44E+00	pCi/L	U
1137	576887003	3/14/2022	Iodine-131	-1.16E+01	1.04E+01	3.39E+01	pCi/L	U
1137	576887003	3/14/2022	Iodine-131	-7.40E+01	7.37E+01	2.21E+02	pCi/L	U
1137	588877002	6/6/2022	Iodine-131	1.32E+01	4.68E+02	1.56E+03	pCi/L	U
1137	600026002	9/26/2022	Iodine-131	-1.83E+01	3.74E+01	1.20E+02	pCi/L	U
1137	609577003	12/19/2022	Iodine-131	1.97E+02	1.67E+02	5.62E+02	pCi/L	U
1137	576887003	3/14/2022	Iron-59	3.70E-01	1.58E+00	5.30E+00	pCi/L	U
1137	576887003	3/14/2022	Iron-59	4.35E-01	2.06E+00	5.90E+00	pCi/L	U
1137	588877002	6/6/2022	Iron-59	-5.88E+00	8.50E+00	2.40E+01	pCi/L	U
1137	600026002	9/26/2022	Iron-59	-6.95E+00	2.56E+00	5.22E+00	pCi/L	U
1137	609577003	12/19/2022	Iron-59	1.03E+01	4.88E+00	9.28E+00	pCi/L	UI
1137	576887003	3/14/2022	Lanthanum-140	-7.93E+00	4.60E+00	1.33E+01	pCi/L	U
1137	576887003	3/14/2022	Lanthanum-140	4.23E+00	1.04E+01	3.52E+01	pCi/L	U
1137	588877002	6/6/2022	Lanthanum-140	-7.54E+01	6.09E+01	1.83E+02	pCi/L	U
1137	600026002	9/26/2022	Lanthanum-140	-1.87E+01	9.69E+00	2.29E+01	pCi/L	U
1137	609577003	12/19/2022	Lanthanum-140	6.42E+01	3.49E+01	7.79E+01	pCi/L	U
1137	576887003	3/14/2022	Lead-210	-2.80E+01	1.60E+01	3.73E+01	pCi/L	U
1137	576887003	3/14/2022	Lead-210	6.19E+01	2.01E+02	2.65E+02	pCi/L	U
1137	588877002	6/6/2022	Lead-210	5.91E+02	6.96E+02	1.26E+03	pCi/L	U
1137	600026002	9/26/2022	Lead-210	-7.38E+01	1.60E+02	4.98E+02	pCi/L	U
1137	609577003	12/19/2022	Lead-210	-4.99E+02	1.72E+02	3.39E+02	pCi/L	U
1137	576887003	3/14/2022	Lead-212	4.37E+00	1.91E+00	2.22E+00	pCi/L	UI
1137	576887003	3/14/2022	Lead-212	8.62E-01	1.52E+00	2.99E+00	pCi/L	U
1137	588877002	6/6/2022	Lead-212	6.77E+00	6.30E+00	1.15E+01	pCi/L	U
1137	600026002	9/26/2022	Lead-212	-5.98E+00	2.37E+00	3.60E+00	pCi/L	U
1137	609577003	12/19/2022	Lead-212	-2.02E+00	1.80E+00	3.76E+00	pCi/L	U
1137	576887003	3/14/2022	Lead-214	1.16E+00	1.94E+00	3.26E+00	pCi/L	U
1137	576887003	3/14/2022	Lead-214	1.40E+00	1.96E+00	2.87E+00	pCi/L	U
1137	588877002	6/6/2022	Lead-214	-1.34E+01	6.61E+00	1.15E+01	pCi/L	U
1137	600026002	9/26/2022	Lead-214	2.50E+00	2.58E+00	3.70E+00	pCi/L	U
1137	609577003	12/19/2022	Lead-214	-4.27E+00	2.46E+00	4.19E+00	pCi/L	U
1137	576887003	3/14/2022	Manganese-54	-2.91E-01	4.43E-01	1.47E+00	pCi/L	U
1137	576887003	3/14/2022	Manganese-54	-3.12E-01	3.78E-01	1.19E+00	pCi/L	U
1137	588877002	6/6/2022	Manganese-54	-1.86E+00	1.67E+00	5.06E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1137	600026002	9/26/2022	Manganese-54	8.02E-01	4.41E-01	1.56E+00	pCi/L	U
1137	609577003	12/19/2022	Manganese-54	-5.68E-01	5.20E-01	1.69E+00	pCi/L	U
1137	576887003	3/14/2022	Molybdenum-99	-6.80E+04	5.90E+04	0.00E+00	pCi/L	U
1137	576887003	3/14/2022	Molybdenum-99	2.53E+07	1.32E+07	0.00E+00	pCi/L	UI
1137	588877002	6/6/2022	Molybdenum-99	2.44E+08	2.83E+08	0.00E+00	pCi/L	UI
1137	600026002	9/26/2022	Molybdenum-99	4.61E+05	1.70E+06	0.00E+00	pCi/L	UI
1137	609577003	12/19/2022	Molybdenum-99	5.52E+07	9.43E+07	0.00E+00	pCi/L	UI
1137	576887003	3/14/2022	Niobium-95	-3.98E-02	7.56E-01	2.40E+00	pCi/L	U
1137	576887003	3/14/2022	Niobium-95	-8.81E-01	1.16E+00	2.12E+00	pCi/L	U
1137	588877002	6/6/2022	Niobium-95	8.09E+00	4.35E+00	8.31E+00	pCi/L	U
1137	600026002	9/26/2022	Niobium-95	1.09E+00	9.75E-01	2.20E+00	pCi/L	U
1137	609577003	12/19/2022	Niobium-95	-3.53E-02	9.92E-01	3.34E+00	pCi/L	U
1137	576887003	3/14/2022	Potassium-40	2.28E-02	1.03E+01	2.05E+01	pCi/L	U
1137	576887003	3/14/2022	Potassium-40	3.03E+01	1.26E+01	1.12E+01	pCi/L	UI
1137	588877002	6/6/2022	Potassium-40	1.64E+01	4.07E+01	4.87E+01	pCi/L	U
1137	600026002	9/26/2022	Potassium-40	4.11E+00	1.10E+01	1.44E+01	pCi/L	U
1137	609577003	12/19/2022	Potassium-40	-3.94E+01	1.21E+01	2.61E+01	pCi/L	U
1137	576887003	3/14/2022	Radium-226	-3.46E+01	1.99E+01	4.37E+01	pCi/L	U
1137	576887003	3/14/2022	Radium-226	8.96E+00	2.21E+01	2.41E+01	pCi/L	U
1137	588877002	6/6/2022	Radium-226	1.22E+01	8.68E+01	8.86E+01	pCi/L	U
1137	600026002	9/26/2022	Radium-226	-7.34E+01	2.22E+01	4.81E+01	pCi/L	U
1137	609577003	12/19/2022	Radium-226	-6.01E+01	2.35E+01	5.72E+01	pCi/L	U
1137	576887003	3/14/2022	Radium-228	9.29E+00	3.50E+00	7.57E+00	pCi/L	UI
1137	576887003	3/14/2022	Radium-228	9.65E+00	2.93E+00	4.60E+00	pCi/L	
1137	588877002	6/6/2022	Radium-228	-2.21E+01	1.22E+01	2.47E+01	pCi/L	U
1137	600026002	9/26/2022	Radium-228	-6.38E+00	3.17E+00	6.57E+00	pCi/L	U
1137	609577003	12/19/2022	Radium-228	1.99E-01	5.57E+00	7.71E+00	pCi/L	U
1137	576887003	3/14/2022	Ruthenium-103	5.76E-02	8.66E-01	2.55E+00	pCi/L	U
1137	576887003	3/14/2022	Ruthenium-103	-1.75E+00	1.06E+00	3.02E+00	pCi/L	U
1137	588877002	6/6/2022	Ruthenium-103	-1.57E+00	4.35E+00	1.41E+01	pCi/L	U
1137	600026002	9/26/2022	Ruthenium-103	-3.58E+00	1.06E+00	3.08E+00	pCi/L	U
1137	609577003	12/19/2022	Ruthenium-103	4.96E-01	1.57E+00	4.57E+00	pCi/L	U
1137	576887003	3/14/2022	Ruthenium-106	-5.08E+00	4.65E+00	1.37E+01	pCi/L	U
1137	576887003	3/14/2022	Ruthenium-106	1.94E+00	3.56E+00	1.21E+01	pCi/L	U
1137	588877002	6/6/2022	Ruthenium-106	2.70E+00	1.46E+01	4.53E+01	pCi/L	U
1137	600026002	9/26/2022	Ruthenium-106	-3.84E+00	4.21E+00	1.29E+01	pCi/L	U
1137	609577003	12/19/2022	Ruthenium-106	7.03E-01	4.86E+00	1.55E+01	pCi/L	U
1137	576887003	3/14/2022	Selenium-75	-1.10E+00	5.84E-01	1.92E+00	pCi/L	U
1137	576887003	3/14/2022	Selenium-75	1.57E+00	6.46E-01	2.17E+00	pCi/L	U
1137	588877002	6/6/2022	Selenium-75	3.02E+00	2.53E+00	8.79E+00	pCi/L	U
1137	600026002	9/26/2022	Selenium-75	7.63E-01	7.66E-01	2.58E+00	pCi/L	U
1137	609577003	12/19/2022	Selenium-75	3.63E-01	9.22E-01	3.12E+00	pCi/L	U
1137	576887003	3/14/2022	Silver-108m	-5.56E-02	3.61E-01	1.19E+00	pCi/L	U
1137	576887003	3/14/2022	Silver-108m	-2.43E-01	2.98E-01	9.93E-01	pCi/L	U
1137	588877002	6/6/2022	Silver-108m	3.90E-01	1.24E+00	4.14E+00	pCi/L	U
1137	600026002	9/26/2022	Silver-108m	-3.28E-01	3.78E-01	1.19E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1137	609577003	12/19/2022	Silver-108m	4.77E-01	4.54E-01	1.51E+00	pCi/L	U
1137	576887003	3/14/2022	Silver-110m	7.75E-01	1.14E+00	2.29E+00	pCi/L	U
1137	576887003	3/14/2022	Silver-110m	-9.11E-01	5.59E-01	1.68E+00	pCi/L	U
1137	588877002	6/6/2022	Silver-110m	-1.86E+00	2.34E+00	7.73E+00	pCi/L	U
1137	600026002	9/26/2022	Silver-110m	-1.26E+00	6.79E-01	1.80E+00	pCi/L	U
1137	609577003	12/19/2022	Silver-110m	-5.26E-01	7.46E-01	2.44E+00	pCi/L	U
1137	576887003	3/14/2022	Tellurium-132	-6.34E+02	1.32E+03	0.00E+00	pCi/L	U
1137	576887003	3/14/2022	Tellurium-132	8.73E+04	1.92E+05	0.00E+00	pCi/L	UI
1137	588877002	6/6/2022	Tellurium-132	-1.61E+06	5.42E+06	0.00E+00	pCi/L	U
1137	600026002	9/26/2022	Tellurium-132	3.17E+04	3.37E+04	0.00E+00	pCi/L	UI
1137	609577003	12/19/2022	Tellurium-132	-2.55E+06	1.66E+06	0.00E+00	pCi/L	U
1137	576887003	3/14/2022	Thallium-208	4.26E-01	1.21E+00	1.49E+00	pCi/L	U
1137	576887003	3/14/2022	Thallium-208	2.32E+00	1.12E+00	1.23E+00	pCi/L	UI
1137	588877002	6/6/2022	Thallium-208	6.42E+00	3.78E+00	4.69E+00	pCi/L	UI
1137	600026002	9/26/2022	Thallium-208	-5.79E-01	1.01E+00	1.90E+00	pCi/L	U
1137	609577003	12/19/2022	Thallium-208	1.17E+00	1.38E+00	1.71E+00	pCi/L	U
1137	576887003	3/14/2022	Thorium-228	4.37E+00	1.91E+00	2.22E+00	pCi/L	UI
1137	576887003	3/14/2022	Thorium-228	8.62E-01	1.52E+00	2.99E+00	pCi/L	U
1137	588877002	6/6/2022	Thorium-228	6.77E+00	6.30E+00	1.15E+01	pCi/L	U
1137	600026002	9/26/2022	Thorium-228	-5.98E+00	2.37E+00	3.60E+00	pCi/L	U
1137	609577003	12/19/2022	Thorium-228	-2.02E+00	1.80E+00	3.76E+00	pCi/L	U
1137	576887003	3/14/2022	Thorium-230	5.24E+02	1.20E+02	2.36E+02	pCi/L	UI
1137	576887003	3/14/2022	Thorium-230	1.78E+03	3.34E+02	5.15E+02	pCi/L	UI
1137	588877002	6/6/2022	Thorium-230	2.57E+03	1.29E+03	2.04E+03	pCi/L	UI
1137	600026002	9/26/2022	Thorium-230	9.43E+02	3.80E+02	7.34E+02	pCi/L	UI
1137	609577003	12/19/2022	Thorium-230	1.62E+03	3.94E+02	7.17E+02	pCi/L	UI
1137	576887003	3/14/2022	Thorium-232	9.47E+01	2.72E+02	3.49E+02	pCi/L	U
1137	576887003	3/14/2022	Thorium-232	5.82E+02	6.67E+02	8.79E+02	pCi/L	U
1137	588877002	6/6/2022	Thorium-232	2.62E+03	2.88E+03	3.56E+03	pCi/L	U
1137	600026002	9/26/2022	Thorium-232	-1.67E+03	8.38E+02	1.63E+03	pCi/L	U
1137	609577003	12/19/2022	Thorium-232	4.90E+02	1.08E+03	1.25E+03	pCi/L	U
1137	576887003	3/14/2022	Thorium-234	6.65E+00	1.91E+01	2.46E+01	pCi/L	U
1137	576887003	3/14/2022	Thorium-234	4.09E+01	4.69E+01	6.36E+01	pCi/L	U
1137	588877002	6/6/2022	Thorium-234	1.84E+02	2.02E+02	3.82E+02	pCi/L	U
1137	600026002	9/26/2022	Thorium-234	-8.06E+01	6.12E+01	1.21E+02	pCi/L	U
1137	609577003	12/19/2022	Thorium-234	3.45E+01	7.56E+01	9.06E+01	pCi/L	U
1137	576887003	3/14/2022	Tritium	-1.55E+02	2.22E+02	7.43E+02	pCi/L	U
1137	585634005	6/6/2022	Tritium	2.25E+02	2.12E+02	6.62E+02	pCi/L	U
1137	600026002	9/26/2022	Tritium	3.08E+02	2.22E+02	7.01E+02	pCi/L	U
1137	609577003	12/19/2022	Tritium	1.60E+02	2.52E+02	8.14E+02	pCi/L	U
1137	576887003	3/14/2022	Uranium-234	7.91E+02	5.81E+02	8.04E+02	pCi/L	U
1137	576887003	3/14/2022	Uranium-234	6.19E+03	2.33E+03	4.15E+03	pCi/L	UI
1137	588877002	6/6/2022	Uranium-234	8.27E+01	5.60E+03	1.83E+04	pCi/L	U
1137	600026002	9/26/2022	Uranium-234	-1.45E+03	3.48E+03	7.64E+03	pCi/L	U
1137	609577003	12/19/2022	Uranium-234	1.40E+03	1.74E+03	5.73E+03	pCi/L	U
1137	576887003	3/14/2022	Zinc-65	-1.66E+00	1.94E+00	3.72E+00	pCi/L	U

Table 14: Complete REMP Results – Ground water (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1137	576887003	3/14/2022	Zinc-65	2.44E-01	9.35E-01	3.01E+00	pCi/L	U
1137	588877002	6/6/2022	Zinc-65	2.52E+00	3.68E+00	1.26E+01	pCi/L	U
1137	600026002	9/26/2022	Zinc-65	-4.54E-01	9.80E-01	3.17E+00	pCi/L	U
1137	609577003	12/19/2022	Zinc-65	-9.08E-01	1.22E+00	3.76E+00	pCi/L	U
1137	576887003	3/14/2022	Zirconium-95	1.51E+00	1.24E+00	4.13E+00	pCi/L	U
1137	576887003	3/14/2022	Zirconium-95	9.06E-01	1.15E+00	3.87E+00	pCi/L	U
1137	588877002	6/6/2022	Zirconium-95	3.75E+00	4.80E+00	1.58E+01	pCi/L	U
1137	600026002	9/26/2022	Zirconium-95	-1.25E+00	1.15E+00	3.73E+00	pCi/L	U
1137	609577003	12/19/2022	Zirconium-95	1.64E+00	1.68E+00	5.81E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	567643007	1/18/2022	Actinium-228	-4.52E-01	4.92E+00	1.45E+01	pCi/L	U
1142	570264007	2/14/2022	Actinium-228	4.93E+00	4.07E+00	7.38E+00	pCi/L	U
1142	573043005	3/14/2022	Actinium-228	2.26E+00	4.65E+00	1.62E+01	pCi/L	U
1142	576091006	4/11/2022	Actinium-228	6.13E-01	4.13E+00	1.41E+01	pCi/L	U
1142	579261005	5/9/2022	Actinium-228	6.96E+00	3.42E+00	1.24E+01	pCi/L	U
1142	581945006	6/6/2022	Actinium-228	-4.07E-01	8.01E+00	2.67E+01	pCi/L	U
1142	584821005	7/4/2022	Actinium-228	-5.47E+00	4.56E+00	1.38E+01	pCi/L	U
1142	587888005	8/1/2022	Actinium-228	-6.49E+00	5.85E+00	1.67E+01	pCi/L	U
1142	590547005	8/29/2022	Actinium-228	-4.63E+00	5.41E+00	1.77E+01	pCi/L	U
1142	594423004	9/26/2022	Actinium-228	1.17E+00	5.47E+00	1.78E+01	pCi/L	U
1142	597936005	10/24/2022	Actinium-228	4.89E+00	7.76E+00	2.17E+01	pCi/L	U
1142	601450004	11/21/2022	Actinium-228	8.55E+00	6.90E+00	2.26E+01	pCi/L	U
1142	604619005	12/19/2022	Actinium-228	9.13E+00	7.62E+00	2.15E+01	pCi/L	U
1142	567643007	1/18/2022	Americium-241	4.14E+00	8.46E+00	2.48E+01	pCi/L	U
1142	570264007	2/14/2022	Americium-241	1.82E-01	2.19E+00	6.28E+00	pCi/L	U
1142	573043005	3/14/2022	Americium-241	8.76E-01	4.92E+00	1.53E+01	pCi/L	U
1142	576091006	4/11/2022	Americium-241	-1.26E+00	1.59E+00	5.14E+00	pCi/L	U
1142	579261005	5/9/2022	Americium-241	4.58E+00	5.60E+00	1.86E+01	pCi/L	U
1142	581945006	6/6/2022	Americium-241	2.51E+00	3.31E+00	9.20E+00	pCi/L	U
1142	584821005	7/4/2022	Americium-241	6.80E+00	5.22E+00	1.74E+01	pCi/L	U
1142	587888005	8/1/2022	Americium-241	-1.28E+01	1.40E+01	3.85E+01	pCi/L	U
1142	590547005	8/29/2022	Americium-241	-9.15E+00	7.27E+00	2.28E+01	pCi/L	U
1142	594423004	9/26/2022	Americium-241	2.12E+00	6.75E+00	2.20E+01	pCi/L	U
1142	597936005	10/24/2022	Americium-241	1.17E+01	1.20E+01	3.97E+01	pCi/L	U
1142	601450004	11/21/2022	Americium-241	1.04E+00	1.12E+01	3.36E+01	pCi/L	U
1142	604619005	12/19/2022	Americium-241	-3.43E+00	9.29E+00	2.99E+01	pCi/L	U
1142	567643007	1/18/2022	Antimony-124	1.55E+00	2.00E+00	7.02E+00	pCi/L	U
1142	570264007	2/14/2022	Antimony-124	4.86E-01	1.27E+00	4.27E+00	pCi/L	U
1142	573043005	3/14/2022	Antimony-124	-4.64E+00	2.85E+00	7.00E+00	pCi/L	U
1142	576091006	4/11/2022	Antimony-124	-1.63E+00	2.11E+00	5.93E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	579261005	5/9/2022	Antimony-124	-3.33E-01	2.56E+00	8.42E+00	pCi/L	U
1142	581945006	6/6/2022	Antimony-124	2.16E-01	4.43E+00	1.44E+01	pCi/L	U
1142	584821005	7/4/2022	Antimony-124	1.91E+00	2.89E+00	1.05E+01	pCi/L	U
1142	587888005	8/1/2022	Antimony-124	-2.75E+00	3.31E+00	9.57E+00	pCi/L	U
1142	590547005	8/29/2022	Antimony-124	-1.39E+00	2.81E+00	8.73E+00	pCi/L	U
1142	594423004	9/26/2022	Antimony-124	-2.12E+00	2.72E+00	7.74E+00	pCi/L	U
1142	597936005	10/24/2022	Antimony-124	-7.03E+00	3.47E+00	8.01E+00	pCi/L	U
1142	601450004	11/21/2022	Antimony-124	-1.31E+00	3.26E+00	9.92E+00	pCi/L	U
1142	604619005	12/19/2022	Antimony-124	2.10E+00	3.61E+00	1.28E+01	pCi/L	U
1142	567643007	1/18/2022	Antimony-125	-1.29E+00	2.34E+00	7.38E+00	pCi/L	U
1142	570264007	2/14/2022	Antimony-125	-1.71E+00	1.38E+00	4.20E+00	pCi/L	U
1142	573043005	3/14/2022	Antimony-125	-9.99E-02	2.55E+00	8.54E+00	pCi/L	U
1142	576091006	4/11/2022	Antimony-125	1.83E+00	2.34E+00	8.11E+00	pCi/L	U
1142	579261005	5/9/2022	Antimony-125	-1.85E+00	2.09E+00	6.43E+00	pCi/L	U
1142	581945006	6/6/2022	Antimony-125	1.02E+01	9.61E+00	1.30E+01	pCi/L	U
1142	584821005	7/4/2022	Antimony-125	-4.26E-01	2.60E+00	8.49E+00	pCi/L	U
1142	587888005	8/1/2022	Antimony-125	3.17E+00	3.33E+00	1.14E+01	pCi/L	U
1142	590547005	8/29/2022	Antimony-125	5.66E+00	4.22E+00	9.05E+00	pCi/L	U
1142	594423004	9/26/2022	Antimony-125	-8.83E-01	2.66E+00	8.62E+00	pCi/L	U
1142	597936005	10/24/2022	Antimony-125	-4.49E-01	3.60E+00	1.14E+01	pCi/L	U
1142	601450004	11/21/2022	Antimony-125	-1.29E+00	3.74E+00	1.16E+01	pCi/L	U
1142	604619005	12/19/2022	Antimony-125	-3.84E+00	3.60E+00	9.17E+00	pCi/L	U
1142	567643007	1/18/2022	Barium-140	1.21E+00	4.02E+00	1.32E+01	pCi/L	U
1142	570264007	2/14/2022	Barium-140	2.72E+00	2.53E+00	8.79E+00	pCi/L	U
1142	573043005	3/14/2022	Barium-140	-6.11E+00	6.91E+00	2.04E+01	pCi/L	U
1142	576091006	4/11/2022	Barium-140	8.66E+00	5.13E+00	1.85E+01	pCi/L	U
1142	579261005	5/9/2022	Barium-140	8.75E+00	4.24E+00	1.58E+01	pCi/L	U
1142	581945006	6/6/2022	Barium-140	-2.03E+00	6.52E+00	2.04E+01	pCi/L	U
1142	584821005	7/4/2022	Barium-140	-1.13E+00	4.21E+00	1.33E+01	pCi/L	U
1142	587888005	8/1/2022	Barium-140	-5.04E+00	6.47E+00	2.05E+01	pCi/L	U
1142	590547005	8/29/2022	Barium-140	5.15E+00	5.09E+00	1.81E+01	pCi/L	U
1142	594423004	9/26/2022	Barium-140	-6.85E+00	4.74E+00	1.36E+01	pCi/L	U
1142	597936005	10/24/2022	Barium-140	-1.33E-01	4.82E+00	1.63E+01	pCi/L	U
1142	601450004	11/21/2022	Barium-140	1.17E+01	1.36E+01	2.70E+01	pCi/L	U
1142	604619005	12/19/2022	Barium-140	2.45E+00	6.98E+00	2.31E+01	pCi/L	U
1142	567643007	1/18/2022	Beryllium-7	4.76E+00	6.78E+00	2.28E+01	pCi/L	U
1142	570264007	2/14/2022	Beryllium-7	2.71E+00	4.36E+00	1.50E+01	pCi/L	U
1142	573043005	3/14/2022	Beryllium-7	6.42E+00	7.61E+00	2.63E+01	pCi/L	U
1142	576091006	4/11/2022	Beryllium-7	1.74E+00	7.19E+00	2.40E+01	pCi/L	U
1142	579261005	5/9/2022	Beryllium-7	-1.04E+01	7.99E+00	2.38E+01	pCi/L	U
1142	581945006	6/6/2022	Beryllium-7	-1.47E+01	1.89E+01	3.73E+01	pCi/L	U
1142	584821005	7/4/2022	Beryllium-7	-9.08E+00	8.87E+00	2.67E+01	pCi/L	U
1142	587888005	8/1/2022	Beryllium-7	-2.56E+01	1.21E+01	3.14E+01	pCi/L	U
1142	590547005	8/29/2022	Beryllium-7	3.22E+01	1.71E+01	3.50E+01	pCi/L	U
1142	594423004	9/26/2022	Beryllium-7	1.61E+01	9.37E+00	3.44E+01	pCi/L	U
1142	597936005	10/24/2022	Beryllium-7	6.01E+00	1.11E+01	3.66E+01	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	601450004	11/21/2022	Beryllium-7	3.20E+00	1.04E+01	3.40E+01	pCi/L	U
1142	604619005	12/19/2022	Beryllium-7	-3.50E+00	1.22E+01	3.84E+01	pCi/L	U
1142	567643007	1/18/2022	BETA	1.09E+00	1.14E+00	3.62E+00	pCi/L	U
1142	570264007	2/14/2022	BETA	8.86E-01	1.15E+00	3.65E+00	pCi/L	U
1142	573043005	3/14/2022	BETA	1.57E+00	7.94E-01	2.19E+00	pCi/L	U
1142	576091006	4/11/2022	BETA	1.26E+00	1.01E+00	3.16E+00	pCi/L	U
1142	579261005	5/9/2022	BETA	1.20E+00	1.09E+00	3.40E+00	pCi/L	U
1142	581945006	6/6/2022	BETA	2.58E+00	1.08E+00	2.93E+00	pCi/L	U
1142	584821005	7/4/2022	BETA	6.58E-01	9.02E-01	2.80E+00	pCi/L	U
1142	587888005	8/1/2022	BETA	-2.19E-01	1.06E+00	3.52E+00	pCi/L	U
1142	590547005	8/29/2022	BETA	2.51E+00	1.08E+00	3.02E+00	pCi/L	U
1142	594423004	9/26/2022	BETA	1.97E-01	9.33E-01	3.01E+00	pCi/L	U
1142	597936005	10/3/2022	BETA	3.57E-01	8.34E-01	2.65E+00	pCi/L	U
1142	601450004	11/21/2022	BETA	1.66E+00	9.29E-01	2.65E+00	pCi/L	U
1142	604619005	12/19/2022	BETA	2.38E+00	1.97E+00	2.77E+00	pCi/L	U
1142	567643007	1/18/2022	Bismuth-214	1.05E+01	3.67E+00	9.38E+00	pCi/L	UI
1142	570264007	2/14/2022	Bismuth-214	5.33E-01	2.01E+00	3.31E+00	pCi/L	U
1142	573043005	3/14/2022	Bismuth-214	9.65E+00	4.13E+00	4.84E+00	pCi/L	UI
1142	576091006	4/11/2022	Bismuth-214	1.46E+00	3.25E+00	7.30E+00	pCi/L	U
1142	579261005	5/9/2022	Bismuth-214	1.78E+01	3.13E+00	8.34E+00	pCi/L	UI
1142	581945006	6/6/2022	Bismuth-214	-3.00E+00	3.99E+00	1.26E+01	pCi/L	U
1142	584821005	7/4/2022	Bismuth-214	-6.80E-01	3.06E+00	9.26E+00	pCi/L	U
1142	587888005	8/1/2022	Bismuth-214	6.58E+00	5.49E+00	1.14E+01	pCi/L	U
1142	590547005	8/29/2022	Bismuth-214	-1.12E+00	2.23E+00	6.84E+00	pCi/L	U
1142	594423004	9/26/2022	Bismuth-214	8.71E+00	4.93E+00	1.00E+01	pCi/L	U
1142	597936005	10/24/2022	Bismuth-214	3.78E+00	3.43E+00	1.08E+01	pCi/L	U
1142	601450004	11/21/2022	Bismuth-214	1.11E+01	4.34E+00	5.99E+00	pCi/L	U
1142	604619005	12/19/2022	Bismuth-214	-2.31E+00	3.21E+00	9.86E+00	pCi/L	U
1142	567643007	1/18/2022	Cerium-141	4.02E+00	2.92E+00	5.19E+00	pCi/L	U
1142	570264007	2/14/2022	Cerium-141	-1.64E+00	1.37E+00	2.90E+00	pCi/L	U
1142	573043005	3/14/2022	Cerium-141	-7.75E-01	2.01E+00	5.73E+00	pCi/L	U
1142	576091006	4/11/2022	Cerium-141	1.99E+00	2.36E+00	3.80E+00	pCi/L	U
1142	579261005	5/9/2022	Cerium-141	-2.30E-02	1.35E+00	4.35E+00	pCi/L	U
1142	581945006	6/6/2022	Cerium-141	-7.32E-01	2.03E+00	6.83E+00	pCi/L	U
1142	584821005	7/4/2022	Cerium-141	-6.44E-01	2.11E+00	6.09E+00	pCi/L	U
1142	587888005	8/1/2022	Cerium-141	5.22E+00	4.40E+00	7.28E+00	pCi/L	U
1142	590547005	8/29/2022	Cerium-141	-7.49E-01	1.83E+00	5.74E+00	pCi/L	U
1142	594423004	9/26/2022	Cerium-141	-1.42E+00	1.88E+00	5.94E+00	pCi/L	U
1142	597936005	10/24/2022	Cerium-141	-3.63E+00	2.27E+00	7.23E+00	pCi/L	U
1142	601450004	11/21/2022	Cerium-141	-4.18E+00	2.45E+00	7.44E+00	pCi/L	U
1142	604619005	12/19/2022	Cerium-141	-3.27E+00	2.52E+00	7.35E+00	pCi/L	U
1142	567643007	1/18/2022	Cerium-144	5.52E+00	5.64E+00	1.96E+01	pCi/L	U
1142	570264007	2/14/2022	Cerium-144	-1.42E+00	3.11E+00	1.04E+01	pCi/L	U
1142	573043005	3/14/2022	Cerium-144	-3.47E+00	6.77E+00	2.13E+01	pCi/L	U
1142	576091006	4/11/2022	Cerium-144	5.42E+00	4.88E+00	1.63E+01	pCi/L	U
1142	579261005	5/9/2022	Cerium-144	9.58E+00	5.34E+00	1.71E+01	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	581945006	6/6/2022	Cerium-144	5.99E+00	8.36E+00	2.93E+01	pCi/L	U
1142	584821005	7/4/2022	Cerium-144	2.29E+01	1.39E+01	2.28E+01	pCi/L	UI
1142	587888005	8/1/2022	Cerium-144	2.21E+00	8.88E+00	3.05E+01	pCi/L	U
1142	590547005	8/29/2022	Cerium-144	-4.85E+00	7.96E+00	2.49E+01	pCi/L	U
1142	594423004	9/26/2022	Cerium-144	1.26E+00	7.26E+00	2.23E+01	pCi/L	U
1142	597936005	10/24/2022	Cerium-144	7.33E+00	8.61E+00	3.02E+01	pCi/L	U
1142	601450004	11/21/2022	Cerium-144	-6.48E+00	8.76E+00	2.78E+01	pCi/L	U
1142	604619005	12/19/2022	Cerium-144	1.23E+01	8.05E+00	2.75E+01	pCi/L	U
1142	567643007	1/18/2022	Cesium-134	9.55E-01	8.56E-01	3.10E+00	pCi/L	U
1142	570264007	2/14/2022	Cesium-134	-5.23E-02	5.08E-01	1.66E+00	pCi/L	U
1142	573043005	3/14/2022	Cesium-134	1.14E+00	9.68E-01	3.53E+00	pCi/L	U
1142	576091006	4/11/2022	Cesium-134	-1.23E+00	1.46E+00	2.62E+00	pCi/L	U
1142	579261005	5/9/2022	Cesium-134	9.19E-01	9.25E-01	3.20E+00	pCi/L	U
1142	581945006	6/6/2022	Cesium-134	1.31E+00	1.62E+00	5.90E+00	pCi/L	U
1142	584821005	7/4/2022	Cesium-134	-3.84E-01	1.16E+00	3.51E+00	pCi/L	U
1142	587888005	8/1/2022	Cesium-134	1.81E+00	1.51E+00	5.46E+00	pCi/L	U
1142	590547005	8/29/2022	Cesium-134	1.11E+00	1.09E+00	4.09E+00	pCi/L	U
1142	594423004	9/26/2022	Cesium-134	9.53E-01	1.13E+00	4.09E+00	pCi/L	U
1142	597936005	10/24/2022	Cesium-134	-5.84E-01	1.41E+00	3.81E+00	pCi/L	U
1142	601450004	11/21/2022	Cesium-134	-8.03E-01	1.25E+00	3.92E+00	pCi/L	U
1142	604619005	12/19/2022	Cesium-134	6.45E-01	1.29E+00	4.52E+00	pCi/L	U
1142	567643007	1/18/2022	Cesium-137	-8.14E-01	9.83E-01	2.95E+00	pCi/L	U
1142	570264007	2/14/2022	Cesium-137	3.11E-01	5.23E-01	1.77E+00	pCi/L	U
1142	573043005	3/14/2022	Cesium-137	-8.37E-01	9.39E-01	2.79E+00	pCi/L	U
1142	576091006	4/11/2022	Cesium-137	-1.76E+00	1.04E+00	2.90E+00	pCi/L	U
1142	579261005	5/9/2022	Cesium-137	2.09E+00	1.67E+00	3.09E+00	pCi/L	U
1142	581945006	6/6/2022	Cesium-137	1.07E+00	2.26E+00	7.18E+00	pCi/L	U
1142	584821005	7/4/2022	Cesium-137	-2.50E+00	1.86E+00	6.34E+00	pCi/L	U
1142	587888005	8/1/2022	Cesium-137	-1.66E+00	1.23E+00	3.63E+00	pCi/L	U
1142	590547005	8/29/2022	Cesium-137	-6.46E-01	1.35E+00	4.12E+00	pCi/L	U
1142	594423004	9/26/2022	Cesium-137	1.43E+00	1.22E+00	4.28E+00	pCi/L	U
1142	597936005	10/24/2022	Cesium-137	6.30E-01	1.25E+00	4.33E+00	pCi/L	U
1142	601450004	11/21/2022	Cesium-137	1.78E+00	1.42E+00	5.21E+00	pCi/L	U
1142	604619005	12/19/2022	Cesium-137	1.75E-01	1.19E+00	4.09E+00	pCi/L	U
1142	567643007	1/18/2022	Chromium-51	8.44E+00	7.50E+00	2.59E+01	pCi/L	U
1142	570264007	2/14/2022	Chromium-51	8.23E+00	5.33E+00	1.61E+01	pCi/L	U
1142	573043005	3/14/2022	Chromium-51	-6.33E+00	1.03E+01	3.22E+01	pCi/L	U
1142	576091006	4/11/2022	Chromium-51	5.39E-01	8.02E+00	2.72E+01	pCi/L	U
1142	579261005	5/9/2022	Chromium-51	6.69E+00	7.68E+00	2.63E+01	pCi/L	U
1142	581945006	6/6/2022	Chromium-51	-2.78E+01	1.31E+01	3.27E+01	pCi/L	U
1142	584821005	7/4/2022	Chromium-51	6.79E+01	2.09E+01	2.90E+01	pCi/L	UI
1142	587888005	8/1/2022	Chromium-51	-1.42E+01	1.03E+01	2.98E+01	pCi/L	U
1142	590547005	8/29/2022	Chromium-51	5.45E+00	9.51E+00	3.33E+01	pCi/L	U
1142	594423004	9/26/2022	Chromium-51	3.06E+00	9.26E+00	3.20E+01	pCi/L	U
1142	597936005	10/24/2022	Chromium-51	9.00E+00	1.09E+01	3.74E+01	pCi/L	U
1142	601450004	11/21/2022	Chromium-51	-8.04E+00	1.30E+01	4.02E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	604619005	12/19/2022	Chromium-51	-2.54E+01	1.27E+01	3.67E+01	pCi/L	U
1142	567643007	1/18/2022	Cobalt-57	8.72E-01	8.53E-01	2.70E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-57	-1.11E-01	4.16E-01	1.40E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-57	-6.59E-01	8.77E-01	2.74E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-57	-4.72E-01	7.35E-01	2.10E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-57	-3.16E-01	6.27E-01	2.01E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-57	5.00E-01	9.55E-01	3.35E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-57	-4.97E-01	9.64E-01	3.03E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-57	-1.07E+00	1.20E+00	3.97E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-57	-1.53E-03	9.42E-01	3.05E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-57	-1.02E+00	9.28E-01	2.91E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-57	-1.65E+00	1.11E+00	3.58E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-57	-1.10E-01	1.10E+00	3.60E+00	pCi/L	U
1142	604619005	12/19/2022	Cobalt-57	-4.17E-01	1.19E+00	3.71E+00	pCi/L	U
1142	567643007	1/18/2022	Cobalt-58	-2.36E-01	8.63E-01	2.87E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-58	-8.40E-01	4.76E-01	1.45E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-58	1.61E+00	9.90E-01	3.73E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-58	-2.51E-01	9.26E-01	3.09E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-58	-9.88E-01	8.62E-01	2.58E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-58	-2.27E+00	1.62E+00	4.77E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-58	8.00E-02	9.96E-01	3.39E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-58	-6.60E-01	1.27E+00	3.99E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-58	1.36E-02	9.67E-01	3.29E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-58	-2.91E-01	1.08E+00	3.55E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-58	4.74E-01	1.22E+00	4.14E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-58	-1.15E+00	1.32E+00	4.07E+00	pCi/L	U
1142	604619005	12/19/2022	Cobalt-58	6.11E-01	9.52E-01	3.43E+00	pCi/L	U
1142	567643007	1/18/2022	Cobalt-60	-4.57E-01	9.54E-01	3.01E+00	pCi/L	U
1142	570264007	2/14/2022	Cobalt-60	4.46E-01	4.68E-01	1.64E+00	pCi/L	U
1142	573043005	3/14/2022	Cobalt-60	-1.65E-01	1.01E+00	3.29E+00	pCi/L	U
1142	576091006	4/11/2022	Cobalt-60	5.53E-01	1.04E+00	3.58E+00	pCi/L	U
1142	579261005	5/9/2022	Cobalt-60	7.88E-01	8.83E-01	3.09E+00	pCi/L	U
1142	581945006	6/6/2022	Cobalt-60	6.29E-02	1.94E+00	6.37E+00	pCi/L	U
1142	584821005	7/4/2022	Cobalt-60	1.11E+00	1.02E+00	3.80E+00	pCi/L	U
1142	587888005	8/1/2022	Cobalt-60	-1.81E-01	1.05E+00	3.44E+00	pCi/L	U
1142	590547005	8/29/2022	Cobalt-60	7.23E-01	1.58E+00	5.43E+00	pCi/L	U
1142	594423004	9/26/2022	Cobalt-60	1.12E+00	1.16E+00	4.18E+00	pCi/L	U
1142	597936005	10/24/2022	Cobalt-60	1.71E+00	1.53E+00	5.24E+00	pCi/L	U
1142	601450004	11/21/2022	Cobalt-60	6.96E-01	1.11E+00	3.94E+00	pCi/L	U
1142	604619005	12/19/2022	Cobalt-60	1.33E+00	1.03E+00	4.04E+00	pCi/L	U
1142	567643007	1/18/2022	Iodine-131	-1.31E+00	1.62E+00	5.07E+00	pCi/L	U
1142	570264007	2/14/2022	Iodine-131	-1.64E+00	9.90E-01	3.02E+00	pCi/L	U
1142	573043005	3/14/2022	Iodine-131	8.93E-01	2.42E+00	8.39E+00	pCi/L	U
1142	576091006	4/11/2022	Iodine-131	-4.40E-01	1.82E+00	6.02E+00	pCi/L	U
1142	579261005	5/9/2022	Iodine-131	-1.97E-01	1.60E+00	5.21E+00	pCi/L	U
1142	581945006	6/6/2022	Iodine-131	2.22E+00	2.05E+00	7.23E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	584821005	7/4/2022	Iodine-131	-9.40E-01	1.34E+00	4.26E+00	pCi/L	U
1142	587888005	8/1/2022	Iodine-131	5.15E-01	2.23E-01	6.55E-01	pCi/L	U
1142	590547005	8/29/2022	Iodine-131	4.67E+00	2.94E+00	4.48E+00	pCi/L	UI
1142	590547005	8/29/2022	Iodine-131	-4.42E-01	2.72E-01	9.47E-01	pCi/L	U
1142	594423004	9/26/2022	Iodine-131	-5.47E-01	1.45E+00	4.77E+00	pCi/L	U
1142	594423004	9/26/2022	Iodine-131	6.16E-01	2.84E-01	8.47E-01	pCi/L	U
1142	597936005	10/24/2022	Iodine-131	8.43E-02	2.74E-01	8.95E-01	pCi/L	U
1142	601450004	11/21/2022	Iodine-131	1.62E-01	2.09E-01	6.47E-01	pCi/L	U
1142	601450004	11/21/2022	Iodine-131	-3.84E-01	2.54E+00	8.03E+00	pCi/L	U
1142	604619005	12/19/2022	Iodine-131	-2.00E+00	2.80E+00	8.73E+00	pCi/L	U
1142	604619005	12/19/2022	Iodine-131	8.04E-02	2.19E-01	7.13E-01	pCi/L	U
1142	567643007	1/18/2022	Iron-59	8.06E-01	1.79E+00	6.14E+00	pCi/L	U
1142	570264007	2/14/2022	Iron-59	2.97E-01	1.07E+00	3.47E+00	pCi/L	U
1142	573043005	3/14/2022	Iron-59	1.35E+00	1.85E+00	6.78E+00	pCi/L	U
1142	576091006	4/11/2022	Iron-59	3.70E+00	2.24E+00	5.41E+00	pCi/L	U
1142	579261005	5/9/2022	Iron-59	-3.87E+00	2.10E+00	4.89E+00	pCi/L	U
1142	581945006	6/6/2022	Iron-59	-1.06E+01	4.00E+00	9.66E+00	pCi/L	U
1142	584821005	7/4/2022	Iron-59	-1.74E+00	1.97E+00	5.79E+00	pCi/L	U
1142	587888005	8/1/2022	Iron-59	-4.40E+00	2.88E+00	7.55E+00	pCi/L	U
1142	590547005	8/29/2022	Iron-59	1.30E+00	2.82E+00	9.77E+00	pCi/L	U
1142	594423004	9/26/2022	Iron-59	-1.49E+00	1.96E+00	5.79E+00	pCi/L	U
1142	597936005	10/24/2022	Iron-59	-1.15E+00	2.71E+00	8.29E+00	pCi/L	U
1142	601450004	11/21/2022	Iron-59	1.13E+00	2.47E+00	8.58E+00	pCi/L	U
1142	604619005	12/19/2022	Iron-59	1.22E+00	2.74E+00	9.37E+00	pCi/L	U
1142	567643007	1/18/2022	Lanthanum-140	-2.98E+00	1.91E+00	4.66E+00	pCi/L	U
1142	570264007	2/14/2022	Lanthanum-140	-1.63E+00	8.14E-01	2.35E+00	pCi/L	U
1142	573043005	3/14/2022	Lanthanum-140	1.17E+00	2.03E+00	7.23E+00	pCi/L	U
1142	576091006	4/11/2022	Lanthanum-140	-3.46E-01	1.32E+00	4.06E+00	pCi/L	U
1142	579261005	5/9/2022	Lanthanum-140	-4.11E-01	1.70E+00	5.58E+00	pCi/L	U
1142	581945006	6/6/2022	Lanthanum-140	1.25E+00	2.53E+00	8.78E+00	pCi/L	U
1142	584821005	7/4/2022	Lanthanum-140	-2.48E+00	1.75E+00	4.87E+00	pCi/L	U
1142	587888005	8/1/2022	Lanthanum-140	-2.07E+00	2.79E+00	8.58E+00	pCi/L	U
1142	590547005	8/29/2022	Lanthanum-140	-1.49E+00	1.82E+00	4.97E+00	pCi/L	U
1142	594423004	9/26/2022	Lanthanum-140	-4.87E-01	1.64E+00	5.25E+00	pCi/L	U
1142	597936005	10/24/2022	Lanthanum-140	-1.83E+00	1.74E+00	4.79E+00	pCi/L	U
1142	601450004	11/21/2022	Lanthanum-140	1.15E+00	2.24E+00	7.79E+00	pCi/L	U
1142	604619005	12/19/2022	Lanthanum-140	-2.02E+00	1.87E+00	4.80E+00	pCi/L	U
1142	567643007	1/18/2022	Lead-210	-4.69E+02	3.69E+02	9.22E+02	pCi/L	U
1142	570264007	2/14/2022	Lead-210	1.07E+01	6.80E+01	1.07E+02	pCi/L	U
1142	573043005	3/14/2022	Lead-210	-2.94E+01	1.09E+02	3.30E+02	pCi/L	U
1142	576091006	4/11/2022	Lead-210	-4.26E+00	2.35E+01	7.93E+01	pCi/L	U
1142	579261005	5/9/2022	Lead-210	1.58E+00	1.38E+02	4.83E+02	pCi/L	U
1142	581945006	6/6/2022	Lead-210	-1.73E+01	3.35E+01	1.09E+02	pCi/L	U
1142	584821005	7/4/2022	Lead-210	-6.08E+01	1.32E+02	4.16E+02	pCi/L	U
1142	587888005	8/1/2022	Lead-210	5.95E+01	4.31E+02	1.39E+03	pCi/L	U
1142	590547005	8/29/2022	Lead-210	-2.09E+02	2.48E+02	7.26E+02	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	594423004	9/26/2022	Lead-210	-1.32E+02	1.67E+02	5.60E+02	pCi/L	U
1142	597936005	10/24/2022	Lead-210	8.41E+02	4.60E+02	1.60E+03	pCi/L	U
1142	601450004	11/21/2022	Lead-210	-6.47E+02	3.67E+02	1.01E+03	pCi/L	U
1142	604619005	12/19/2022	Lead-210	2.30E+02	2.91E+02	1.00E+03	pCi/L	U
1142	567643007	1/18/2022	Lead-212	2.37E+00	2.57E+00	6.28E+00	pCi/L	U
1142	570264007	2/14/2022	Lead-212	3.93E-01	1.40E+00	3.42E+00	pCi/L	U
1142	573043005	3/14/2022	Lead-212	-6.44E+00	2.30E+00	6.68E+00	pCi/L	U
1142	576091006	4/11/2022	Lead-212	5.63E+00	3.10E+00	5.63E+00	pCi/L	U
1142	579261005	5/9/2022	Lead-212	5.02E+00	2.44E+00	4.16E+00	pCi/L	U
1142	581945006	6/6/2022	Lead-212	6.90E+00	3.69E+00	1.05E+01	pCi/L	U
1142	584821005	7/4/2022	Lead-212	-3.20E+00	2.29E+00	7.40E+00	pCi/L	U
1142	587888005	8/1/2022	Lead-212	2.20E+00	4.27E+00	7.94E+00	pCi/L	U
1142	590547005	8/29/2022	Lead-212	-5.03E+00	2.41E+00	6.69E+00	pCi/L	U
1142	594423004	9/26/2022	Lead-212	7.19E-01	2.62E+00	8.58E+00	pCi/L	U
1142	597936005	10/24/2022	Lead-212	2.54E+00	4.18E+00	1.07E+01	pCi/L	U
1142	601450004	11/21/2022	Lead-212	8.05E+00	4.13E+00	7.93E+00	pCi/L	UI
1142	604619005	12/19/2022	Lead-212	8.66E-01	2.97E+00	9.99E+00	pCi/L	U
1142	567643007	1/18/2022	Lead-214	7.95E+00	4.21E+00	8.77E+00	pCi/L	U
1142	570264007	2/14/2022	Lead-214	2.07E+00	1.84E+00	4.16E+00	pCi/L	U
1142	573043005	3/14/2022	Lead-214	-1.43E+00	2.48E+00	7.11E+00	pCi/L	U
1142	576091006	4/11/2022	Lead-214	2.47E+00	2.27E+00	6.98E+00	pCi/L	U
1142	579261005	5/9/2022	Lead-214	8.09E+00	3.57E+00	7.10E+00	pCi/L	UI
1142	581945006	6/6/2022	Lead-214	9.64E+00	6.65E+00	1.47E+01	pCi/L	U
1142	584821005	7/4/2022	Lead-214	-3.30E+00	3.02E+00	9.17E+00	pCi/L	U
1142	587888005	8/1/2022	Lead-214	1.51E+00	3.20E+00	1.00E+01	pCi/L	U
1142	590547005	8/29/2022	Lead-214	-6.25E-01	2.97E+00	9.10E+00	pCi/L	U
1142	594423004	9/26/2022	Lead-214	-4.67E-02	2.72E+00	8.26E+00	pCi/L	U
1142	597936005	10/24/2022	Lead-214	-4.18E+00	3.42E+00	1.01E+01	pCi/L	U
1142	601450004	11/21/2022	Lead-214	4.15E+00	3.47E+00	9.46E+00	pCi/L	U
1142	604619005	12/19/2022	Lead-214	5.50E+00	3.45E+00	1.19E+01	pCi/L	U
1142	567643007	1/18/2022	Manganese-54	3.56E-01	7.64E-01	2.66E+00	pCi/L	U
1142	570264007	2/14/2022	Manganese-54	6.53E-01	4.87E-01	1.67E+00	pCi/L	U
1142	573043005	3/14/2022	Manganese-54	-2.26E-01	7.85E-01	2.43E+00	pCi/L	U
1142	576091006	4/11/2022	Manganese-54	1.03E+00	1.03E+00	3.72E+00	pCi/L	U
1142	579261005	5/9/2022	Manganese-54	1.13E+00	8.02E-01	2.84E+00	pCi/L	U
1142	581945006	6/6/2022	Manganese-54	1.30E+00	1.64E+00	5.88E+00	pCi/L	U
1142	584821005	7/4/2022	Manganese-54	-1.81E+00	9.36E-01	2.50E+00	pCi/L	U
1142	587888005	8/1/2022	Manganese-54	2.17E-01	1.24E+00	4.16E+00	pCi/L	U
1142	590547005	8/29/2022	Manganese-54	8.25E-01	1.15E+00	4.17E+00	pCi/L	U
1142	594423004	9/26/2022	Manganese-54	1.09E+00	8.93E-01	3.36E+00	pCi/L	U
1142	597936005	10/24/2022	Manganese-54	8.82E-01	1.25E+00	4.34E+00	pCi/L	U
1142	601450004	11/21/2022	Manganese-54	1.67E+00	1.33E+00	4.50E+00	pCi/L	U
1142	604619005	12/19/2022	Manganese-54	-1.35E+00	1.59E+00	4.65E+00	pCi/L	U
1142	567643007	1/18/2022	Molybdenum-99	1.61E+01	4.43E+01	1.37E+02	pCi/L	U
1142	570264007	2/14/2022	Molybdenum-99	-2.44E+01	3.03E+01	9.68E+01	pCi/L	U
1142	573043005	3/14/2022	Molybdenum-99	-2.13E+00	1.28E+02	3.71E+02	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	576091006	4/11/2022	Molybdenum-99	-5.64E+01	7.03E+01	2.08E+02	pCi/L	U
1142	579261005	5/9/2022	Molybdenum-99	-5.17E+01	5.97E+01	1.85E+02	pCi/L	U
1142	581945006	6/6/2022	Molybdenum-99	2.42E+01	3.67E+01	1.33E+02	pCi/L	U
1142	584821005	7/4/2022	Molybdenum-99	2.59E+01	2.15E+01	7.69E+01	pCi/L	U
1142	587888005	8/1/2022	Molybdenum-99	2.80E+02	1.00E+02	4.09E+02	pCi/L	U
1142	590547005	8/29/2022	Molybdenum-99	1.73E+01	2.44E+01	8.39E+01	pCi/L	U
1142	594423004	9/26/2022	Molybdenum-99	-3.05E+01	1.87E+01	5.45E+01	pCi/L	U
1142	597936005	10/24/2022	Molybdenum-99	4.79E+00	2.72E+01	9.13E+01	pCi/L	U
1142	601450004	11/21/2022	Molybdenum-99	8.00E+01	1.11E+02	3.93E+02	pCi/L	U
1142	604619005	12/19/2022	Molybdenum-99	3.85E+00	1.38E+02	3.00E+02	pCi/L	U
1142	567643007	1/18/2022	Niobium-95	-1.65E-02	8.86E-01	3.00E+00	pCi/L	U
1142	570264007	2/14/2022	Niobium-95	-1.59E-01	4.99E-01	1.62E+00	pCi/L	U
1142	573043005	3/14/2022	Niobium-95	-4.18E-01	1.05E+00	3.26E+00	pCi/L	U
1142	576091006	4/11/2022	Niobium-95	8.84E-01	1.03E+00	3.48E+00	pCi/L	U
1142	579261005	5/9/2022	Niobium-95	3.01E-01	9.64E-01	3.21E+00	pCi/L	U
1142	581945006	6/6/2022	Niobium-95	8.99E-01	1.53E+00	5.45E+00	pCi/L	U
1142	584821005	7/4/2022	Niobium-95	6.18E-01	1.11E+00	3.94E+00	pCi/L	U
1142	587888005	8/1/2022	Niobium-95	-1.73E+00	1.29E+00	3.06E+00	pCi/L	U
1142	590547005	8/29/2022	Niobium-95	-1.25E+00	1.26E+00	2.91E+00	pCi/L	U
1142	594423004	9/26/2022	Niobium-95	-2.88E-01	9.26E-01	2.63E+00	pCi/L	U
1142	597936005	10/24/2022	Niobium-95	1.55E+00	1.31E+00	4.34E+00	pCi/L	U
1142	601450004	11/21/2022	Niobium-95	9.84E-01	1.49E+00	4.95E+00	pCi/L	U
1142	604619005	12/19/2022	Niobium-95	1.95E+00	1.39E+00	5.19E+00	pCi/L	U
1142	567643007	1/18/2022	Potassium-40	-1.09E+01	1.47E+01	3.61E+01	pCi/L	U
1142	570264007	2/14/2022	Potassium-40	-9.46E+00	9.51E+00	2.48E+01	pCi/L	U
1142	573043005	3/14/2022	Potassium-40	2.50E+01	1.63E+01	3.01E+01	pCi/L	U
1142	576091006	4/11/2022	Potassium-40	1.45E+01	2.32E+01	3.42E+01	pCi/L	U
1142	579261005	5/9/2022	Potassium-40	-1.06E+01	1.40E+01	3.63E+01	pCi/L	U
1142	581945006	6/6/2022	Potassium-40	1.60E+01	2.74E+01	4.29E+01	pCi/L	U
1142	584821005	7/4/2022	Potassium-40	-2.43E+00	1.59E+01	5.31E+01	pCi/L	U
1142	587888005	8/1/2022	Potassium-40	-1.65E+01	1.89E+01	6.10E+01	pCi/L	U
1142	590547005	8/29/2022	Potassium-40	-2.10E+01	1.96E+01	5.70E+01	pCi/L	U
1142	594423004	9/26/2022	Potassium-40	1.87E+01	2.34E+01	3.94E+01	pCi/L	U
1142	597936005	10/24/2022	Potassium-40	1.09E+01	1.74E+01	4.84E+01	pCi/L	U
1142	601450004	11/21/2022	Potassium-40	1.66E+01	1.74E+01	6.26E+01	pCi/L	U
1142	604619005	12/19/2022	Potassium-40	-8.34E+00	1.66E+01	6.00E+01	pCi/L	U
1142	567643007	1/18/2022	Radium-226	4.70E+01	3.82E+01	5.80E+01	pCi/L	U
1142	570264007	2/14/2022	Radium-226	-2.56E+01	1.93E+01	4.35E+01	pCi/L	U
1142	573043005	3/14/2022	Radium-226	8.81E+00	3.93E+01	6.63E+01	pCi/L	U
1142	576091006	4/11/2022	Radium-226	1.22E+01	3.72E+01	4.31E+01	pCi/L	U
1142	579261005	5/9/2022	Radium-226	-1.14E+01	2.09E+01	6.53E+01	pCi/L	U
1142	581945006	6/6/2022	Radium-226	3.66E+01	5.94E+01	8.59E+01	pCi/L	U
1142	584821005	7/4/2022	Radium-226	7.30E+01	3.68E+01	6.59E+01	pCi/L	UI
1142	587888005	8/1/2022	Radium-226	2.95E+01	5.73E+01	8.38E+01	pCi/L	U
1142	590547005	8/29/2022	Radium-226	5.39E+01	5.48E+01	7.73E+01	pCi/L	U
1142	594423004	9/26/2022	Radium-226	4.20E+01	6.20E+01	7.63E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	597936005	10/24/2022	Radium-226	5.70E+01	5.29E+01	8.90E+01	pCi/L	U
1142	601450004	11/21/2022	Radium-226	6.73E+01	5.98E+01	7.94E+01	pCi/L	U
1142	604619005	12/19/2022	Radium-226	7.59E+00	6.15E+01	8.21E+01	pCi/L	U
1142	567643007	1/18/2022	Radium-228	-4.52E-01	4.92E+00	1.45E+01	pCi/L	U
1142	570264007	2/14/2022	Radium-228	4.93E+00	4.07E+00	7.38E+00	pCi/L	U
1142	573043005	3/14/2022	Radium-228	2.26E+00	4.65E+00	1.62E+01	pCi/L	U
1142	576091006	4/11/2022	Radium-228	6.13E-01	4.13E+00	1.41E+01	pCi/L	U
1142	579261005	5/9/2022	Radium-228	6.96E+00	3.42E+00	1.24E+01	pCi/L	U
1142	581945006	6/6/2022	Radium-228	-4.07E-01	8.01E+00	2.67E+01	pCi/L	U
1142	584821005	7/4/2022	Radium-228	-5.47E+00	4.56E+00	1.38E+01	pCi/L	U
1142	587888005	8/1/2022	Radium-228	-6.49E+00	5.85E+00	1.67E+01	pCi/L	U
1142	590547005	8/29/2022	Radium-228	-4.63E+00	5.41E+00	1.77E+01	pCi/L	U
1142	594423004	9/26/2022	Radium-228	1.17E+00	5.47E+00	1.78E+01	pCi/L	U
1142	597936005	10/24/2022	Radium-228	4.89E+00	7.76E+00	2.17E+01	pCi/L	U
1142	601450004	11/21/2022	Radium-228	8.55E+00	6.90E+00	2.26E+01	pCi/L	U
1142	604619005	12/19/2022	Radium-228	9.13E+00	7.62E+00	2.15E+01	pCi/L	U
1142	567643007	1/18/2022	Ruthenium-103	1.03E+00	9.61E-01	3.27E+00	pCi/L	U
1142	570264007	2/14/2022	Ruthenium-103	-1.82E-01	5.91E-01	1.74E+00	pCi/L	U
1142	573043005	3/14/2022	Ruthenium-103	-4.11E-01	1.02E+00	3.30E+00	pCi/L	U
1142	576091006	4/11/2022	Ruthenium-103	-1.97E+00	1.05E+00	3.07E+00	pCi/L	U
1142	579261005	5/9/2022	Ruthenium-103	-1.38E+00	9.39E-01	2.74E+00	pCi/L	U
1142	581945006	6/6/2022	Ruthenium-103	9.56E-01	1.61E+00	5.44E+00	pCi/L	U
1142	584821005	7/4/2022	Ruthenium-103	-1.56E+00	9.33E-01	2.56E+00	pCi/L	U
1142	587888005	8/1/2022	Ruthenium-103	-1.30E+00	1.65E+00	4.22E+00	pCi/L	U
1142	590547005	8/29/2022	Ruthenium-103	-2.69E-01	1.18E+00	3.79E+00	pCi/L	U
1142	594423004	9/26/2022	Ruthenium-103	5.17E-01	9.76E-01	3.34E+00	pCi/L	U
1142	597936005	10/24/2022	Ruthenium-103	4.92E-01	1.15E+00	4.03E+00	pCi/L	U
1142	601450004	11/21/2022	Ruthenium-103	-1.09E+00	1.52E+00	4.26E+00	pCi/L	U
1142	604619005	12/19/2022	Ruthenium-103	3.44E-02	1.41E+00	4.54E+00	pCi/L	U
1142	567643007	1/18/2022	Ruthenium-106	-4.01E+00	7.87E+00	2.42E+01	pCi/L	U
1142	570264007	2/14/2022	Ruthenium-106	2.29E+00	4.19E+00	1.38E+01	pCi/L	U
1142	573043005	3/14/2022	Ruthenium-106	-6.84E+00	9.39E+00	2.89E+01	pCi/L	U
1142	576091006	4/11/2022	Ruthenium-106	8.51E+00	8.11E+00	2.82E+01	pCi/L	U
1142	579261005	5/9/2022	Ruthenium-106	-1.30E+01	9.82E+00	2.38E+01	pCi/L	U
1142	581945006	6/6/2022	Ruthenium-106	-6.18E+00	1.38E+01	4.20E+01	pCi/L	U
1142	584821005	7/4/2022	Ruthenium-106	6.76E+00	1.03E+01	3.35E+01	pCi/L	U
1142	587888005	8/1/2022	Ruthenium-106	-1.36E+01	1.13E+01	3.44E+01	pCi/L	U
1142	590547005	8/29/2022	Ruthenium-106	-1.37E+00	1.20E+01	3.83E+01	pCi/L	U
1142	594423004	9/26/2022	Ruthenium-106	2.51E+01	1.09E+01	4.11E+01	pCi/L	U
1142	597936005	10/24/2022	Ruthenium-106	-1.03E+01	9.95E+00	3.02E+01	pCi/L	U
1142	601450004	11/21/2022	Ruthenium-106	1.94E+01	1.12E+01	3.74E+01	pCi/L	U
1142	604619005	12/19/2022	Ruthenium-106	3.14E+01	9.78E+00	3.06E+01	pCi/L	UI
1142	567643007	1/18/2022	Selenium-75	-2.97E-01	1.21E+00	3.95E+00	pCi/L	U
1142	570264007	2/14/2022	Selenium-75	1.20E-02	7.61E-01	2.22E+00	pCi/L	U
1142	573043005	3/14/2022	Selenium-75	-2.59E+00	1.43E+00	3.89E+00	pCi/L	U
1142	576091006	4/11/2022	Selenium-75	9.78E-02	9.88E-01	3.39E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	579261005	5/9/2022	Selenium-75	3.19E-01	9.32E-01	3.18E+00	pCi/L	U
1142	581945006	6/6/2022	Selenium-75	1.78E+00	1.77E+00	6.21E+00	pCi/L	U
1142	584821005	7/4/2022	Selenium-75	1.07E+00	1.28E+00	4.57E+00	pCi/L	U
1142	587888005	8/1/2022	Selenium-75	-3.09E+00	1.69E+00	4.96E+00	pCi/L	U
1142	590547005	8/29/2022	Selenium-75	1.63E+00	1.54E+00	5.36E+00	pCi/L	U
1142	594423004	9/26/2022	Selenium-75	9.64E-01	1.54E+00	4.98E+00	pCi/L	U
1142	597936005	10/24/2022	Selenium-75	-5.41E-01	1.68E+00	5.42E+00	pCi/L	U
1142	601450004	11/21/2022	Selenium-75	-9.40E-01	1.72E+00	5.39E+00	pCi/L	U
1142	604619005	12/19/2022	Selenium-75	-4.35E-01	1.60E+00	5.29E+00	pCi/L	U
1142	567643007	1/18/2022	Silver-108m	-7.34E-01	8.98E-01	2.41E+00	pCi/L	U
1142	570264007	2/14/2022	Silver-108m	2.22E-01	4.48E-01	1.44E+00	pCi/L	U
1142	573043005	3/14/2022	Silver-108m	-2.69E-01	8.58E-01	2.82E+00	pCi/L	U
1142	576091006	4/11/2022	Silver-108m	1.30E-01	7.40E-01	2.48E+00	pCi/L	U
1142	579261005	5/9/2022	Silver-108m	5.20E-01	7.68E-01	2.55E+00	pCi/L	U
1142	581945006	6/6/2022	Silver-108m	2.05E+00	1.46E+00	5.19E+00	pCi/L	U
1142	584821005	7/4/2022	Silver-108m	-5.25E-01	8.35E-01	2.61E+00	pCi/L	U
1142	587888005	8/1/2022	Silver-108m	-5.51E-01	1.24E+00	3.85E+00	pCi/L	U
1142	590547005	8/29/2022	Silver-108m	-1.38E+00	1.08E+00	3.22E+00	pCi/L	U
1142	594423004	9/26/2022	Silver-108m	-1.50E-01	8.98E-01	2.94E+00	pCi/L	U
1142	597936005	10/24/2022	Silver-108m	1.94E+00	1.23E+00	4.35E+00	pCi/L	U
1142	601450004	11/21/2022	Silver-108m	1.17E+00	1.27E+00	4.28E+00	pCi/L	U
1142	604619005	12/19/2022	Silver-108m	3.78E-01	1.20E+00	3.99E+00	pCi/L	U
1142	567643007	1/18/2022	Silver-110m	-3.52E-01	1.13E+00	3.73E+00	pCi/L	U
1142	570264007	2/14/2022	Silver-110m	-4.25E-01	6.82E-01	2.17E+00	pCi/L	U
1142	573043005	3/14/2022	Silver-110m	-9.79E-01	1.30E+00	3.77E+00	pCi/L	U
1142	576091006	4/11/2022	Silver-110m	-2.25E+00	1.17E+00	3.31E+00	pCi/L	U
1142	579261005	5/9/2022	Silver-110m	-1.84E+00	1.32E+00	3.29E+00	pCi/L	U
1142	581945006	6/6/2022	Silver-110m	-1.48E-01	2.19E+00	6.78E+00	pCi/L	U
1142	584821005	7/4/2022	Silver-110m	-5.23E-01	1.21E+00	3.87E+00	pCi/L	U
1142	587888005	8/1/2022	Silver-110m	1.43E+00	1.60E+00	5.71E+00	pCi/L	U
1142	590547005	8/29/2022	Silver-110m	1.13E+00	1.40E+00	5.13E+00	pCi/L	U
1142	594423004	9/26/2022	Silver-110m	-9.29E-02	1.24E+00	4.10E+00	pCi/L	U
1142	597936005	10/24/2022	Silver-110m	2.62E-01	1.73E+00	5.73E+00	pCi/L	U
1142	601450004	11/21/2022	Silver-110m	1.13E+00	1.48E+00	5.31E+00	pCi/L	U
1142	604619005	12/19/2022	Silver-110m	-2.44E+00	1.60E+00	4.32E+00	pCi/L	U
1142	567643007	1/18/2022	Tellurium-132	4.13E-01	3.79E+00	1.27E+01	pCi/L	U
1142	570264007	2/14/2022	Tellurium-132	4.38E+00	2.73E+00	9.26E+00	pCi/L	U
1142	573043005	3/14/2022	Tellurium-132	4.83E+00	8.86E+00	2.88E+01	pCi/L	U
1142	576091006	4/11/2022	Tellurium-132	-2.60E+00	5.52E+00	1.68E+01	pCi/L	U
1142	579261005	5/9/2022	Tellurium-132	-6.78E+00	3.96E+00	1.28E+01	pCi/L	U
1142	581945006	6/6/2022	Tellurium-132	-5.57E+00	3.36E+00	1.04E+01	pCi/L	U
1142	584821005	7/4/2022	Tellurium-132	6.93E-01	1.90E+00	6.64E+00	pCi/L	U
1142	587888005	8/1/2022	Tellurium-132	9.20E+00	1.04E+01	3.28E+01	pCi/L	U
1142	590547005	8/29/2022	Tellurium-132	9.18E-01	2.40E+00	7.69E+00	pCi/L	U
1142	594423004	9/26/2022	Tellurium-132	-2.14E+00	1.99E+00	5.86E+00	pCi/L	U
1142	597936005	10/24/2022	Tellurium-132	-1.59E+00	2.89E+00	9.32E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	601450004	11/21/2022	Tellurium-132	1.63E+01	9.88E+00	2.54E+01	pCi/L	U
1142	604619005	12/19/2022	Tellurium-132	1.08E+01	1.01E+01	3.57E+01	pCi/L	U
1142	567643007	1/18/2022	Thallium-208	3.00E+00	1.77E+00	2.42E+00	pCi/L	UI
1142	570264007	2/14/2022	Thallium-208	-2.87E-01	8.12E-01	2.03E+00	pCi/L	U
1142	573043005	3/14/2022	Thallium-208	4.58E+00	1.33E+00	2.20E+00	pCi/L	
1142	576091006	4/11/2022	Thallium-208	-7.33E-02	1.31E+00	3.63E+00	pCi/L	U
1142	579261005	5/9/2022	Thallium-208	5.34E-01	1.98E+00	2.81E+00	pCi/L	U
1142	581945006	6/6/2022	Thallium-208	-7.19E-01	2.32E+00	6.98E+00	pCi/L	U
1142	584821005	7/4/2022	Thallium-208	3.51E+00	2.42E+00	3.12E+00	pCi/L	UI
1142	587888005	8/1/2022	Thallium-208	1.04E+00	1.59E+00	5.26E+00	pCi/L	U
1142	590547005	8/29/2022	Thallium-208	1.52E+00	1.65E+00	5.26E+00	pCi/L	U
1142	594423004	9/26/2022	Thallium-208	-2.19E+00	1.27E+00	3.79E+00	pCi/L	U
1142	597936005	10/24/2022	Thallium-208	8.14E+00	2.63E+00	3.58E+00	pCi/L	UI
1142	601450004	11/21/2022	Thallium-208	-1.12E+00	1.62E+00	5.31E+00	pCi/L	U
1142	604619005	12/19/2022	Thallium-208	-1.26E+00	1.75E+00	5.53E+00	pCi/L	U
1142	567643007	1/18/2022	Thorium-228	2.37E+00	2.57E+00	6.28E+00	pCi/L	U
1142	570264007	2/14/2022	Thorium-228	3.93E-01	1.40E+00	3.42E+00	pCi/L	U
1142	573043005	3/14/2022	Thorium-228	-6.44E+00	2.30E+00	6.68E+00	pCi/L	U
1142	576091006	4/11/2022	Thorium-228	5.63E+00	3.10E+00	5.63E+00	pCi/L	U
1142	579261005	5/9/2022	Thorium-228	5.02E+00	2.44E+00	4.16E+00	pCi/L	
1142	581945006	6/6/2022	Thorium-228	6.90E+00	3.69E+00	1.05E+01	pCi/L	U
1142	584821005	7/4/2022	Thorium-228	-3.20E+00	2.29E+00	7.40E+00	pCi/L	U
1142	587888005	8/1/2022	Thorium-228	2.20E+00	4.27E+00	7.94E+00	pCi/L	U
1142	590547005	8/29/2022	Thorium-228	-5.03E+00	2.41E+00	6.69E+00	pCi/L	U
1142	594423004	9/26/2022	Thorium-228	7.19E-01	2.62E+00	8.58E+00	pCi/L	U
1142	597936005	10/24/2022	Thorium-228	2.54E+00	4.18E+00	1.07E+01	pCi/L	U
1142	601450004	11/21/2022	Thorium-228	8.05E+00	4.13E+00	7.93E+00	pCi/L	UI
1142	604619005	12/19/2022	Thorium-228	8.66E-01	2.97E+00	9.99E+00	pCi/L	U
1142	567643007	1/18/2022	Thorium-230	3.04E+03	1.07E+03	1.51E+03	pCi/L	UI
1142	570264007	2/14/2022	Thorium-230	6.78E+02	2.42E+02	4.63E+02	pCi/L	UI
1142	573043005	3/14/2022	Thorium-230	-7.99E+01	3.59E+02	1.18E+03	pCi/L	U
1142	576091006	4/11/2022	Thorium-230	3.84E+01	1.60E+02	5.34E+02	pCi/L	U
1142	579261005	5/9/2022	Thorium-230	-4.52E+02	4.64E+02	1.29E+03	pCi/L	U
1142	581945006	6/6/2022	Thorium-230	6.89E+02	3.61E+02	8.87E+02	pCi/L	U
1142	584821005	7/4/2022	Thorium-230	1.68E+03	6.39E+02	1.26E+03	pCi/L	UI
1142	587888005	8/1/2022	Thorium-230	1.53E+03	9.30E+02	2.27E+03	pCi/L	U
1142	590547005	8/29/2022	Thorium-230	-1.93E+03	5.59E+02	1.36E+03	pCi/L	U
1142	594423004	9/26/2022	Thorium-230	3.60E+02	7.67E+02	1.39E+03	pCi/L	U
1142	597936005	10/24/2022	Thorium-230	-3.87E+02	6.98E+02	2.15E+03	pCi/L	U
1142	601450004	11/21/2022	Thorium-230	5.87E+02	6.85E+02	2.36E+03	pCi/L	U
1142	604619005	12/19/2022	Thorium-230	-3.88E+02	5.86E+02	1.85E+03	pCi/L	U
1142	567643007	1/18/2022	Thorium-232	3.54E+03	2.01E+03	2.71E+03	pCi/L	UI
1142	570264007	2/14/2022	Thorium-232	7.77E+02	4.62E+02	7.92E+02	pCi/L	U
1142	573043005	3/14/2022	Thorium-232	3.82E+02	1.23E+03	1.86E+03	pCi/L	U
1142	576091006	4/11/2022	Thorium-232	-8.89E+02	3.83E+02	1.31E+03	pCi/L	U
1142	579261005	5/9/2022	Thorium-232	5.12E+03	2.16E+03	2.26E+03	pCi/L	UI

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1142	581945006	6/6/2022	Thorium-232	6.96E+02	6.66E+02	1.29E+03	pCi/L	U
1142	584821005	7/4/2022	Thorium-232	-2.60E+02	8.08E+02	2.69E+03	pCi/L	U
1142	587888005	8/1/2022	Thorium-232	2.67E+03	2.32E+03	4.26E+03	pCi/L	U
1142	590547005	8/29/2022	Thorium-232	-1.97E+03	1.07E+03	3.38E+03	pCi/L	U
1142	594423004	9/26/2022	Thorium-232	5.29E+02	1.36E+03	2.35E+03	pCi/L	U
1142	597936005	10/24/2022	Thorium-232	-2.34E+03	1.48E+03	4.50E+03	pCi/L	U
1142	601450004	11/21/2022	Thorium-232	3.37E+03	1.54E+03	5.31E+03	pCi/L	U
1142	604619005	12/19/2022	Thorium-232	-6.54E+02	1.30E+03	4.21E+03	pCi/L	U
1142	567643007	1/18/2022	Thorium-234	2.49E+02	1.41E+02	2.58E+02	pCi/L	U
1142	570264007	2/14/2022	Thorium-234	5.46E+01	3.25E+01	5.66E+01	pCi/L	U
1142	573043005	3/14/2022	Thorium-234	2.69E+01	8.62E+01	1.34E+02	pCi/L	U
1142	576091006	4/11/2022	Thorium-234	-4.68E+01	2.75E+01	9.45E+01	pCi/L	U
1142	579261005	5/9/2022	Thorium-234	-1.14E+01	6.57E+01	1.88E+02	pCi/L	U
1142	581945006	6/6/2022	Thorium-234	4.89E+01	4.68E+01	9.09E+01	pCi/L	U
1142	584821005	7/4/2022	Thorium-234	-2.52E+01	5.78E+01	1.91E+02	pCi/L	U
1142	587888005	8/1/2022	Thorium-234	1.88E+02	1.63E+02	3.09E+02	pCi/L	U
1142	590547005	8/29/2022	Thorium-234	-1.42E+02	7.67E+01	2.41E+02	pCi/L	U
1142	594423004	9/26/2022	Thorium-234	3.72E+01	9.52E+01	1.70E+02	pCi/L	U
1142	597936005	10/24/2022	Thorium-234	-1.46E+02	1.07E+02	3.31E+02	pCi/L	U
1142	601450004	11/21/2022	Thorium-234	1.95E+02	1.10E+02	3.73E+02	pCi/L	U
1142	604619005	12/19/2022	Thorium-234	-3.70E+01	9.60E+01	3.13E+02	pCi/L	U
1142	576887005	3/14/2022	Tritium	-3.50E+02	2.20E+02	7.54E+02	pCi/L	U
1142	585634006	6/6/2022	Tritium	7.65E+01	2.06E+02	6.66E+02	pCi/L	U
1142	600026004	9/26/2022	Tritium	-7.31E+01	2.04E+02	6.80E+02	pCi/L	U
1142	609577005	12/19/2022	Tritium	6.19E+01	2.28E+02	7.44E+02	pCi/L	U
1142	567643007	1/18/2022	Uranium-234	-3.19E+02	4.06E+03	1.26E+04	pCi/L	U
1142	570264007	2/14/2022	Uranium-234	4.28E+03	1.25E+03	2.33E+03	pCi/L	U
1142	573043005	3/14/2022	Uranium-234	8.69E+02	1.70E+03	5.82E+03	pCi/L	U
1142	576091006	4/11/2022	Uranium-234	9.54E+01	5.93E+02	1.74E+03	pCi/L	U
1142	579261005	5/9/2022	Uranium-234	2.56E+03	2.73E+03	9.74E+03	pCi/L	U
1142	581945006	6/6/2022	Uranium-234	8.13E+02	8.62E+02	2.86E+03	pCi/L	U
1142	584821005	7/4/2022	Uranium-234	6.13E+03	3.58E+03	7.67E+03	pCi/L	U
1142	587888005	8/1/2022	Uranium-234	3.48E+03	6.93E+03	2.26E+04	pCi/L	U
1142	590547005	8/29/2022	Uranium-234	-2.84E+03	3.72E+03	1.20E+04	pCi/L	U
1142	594423004	9/26/2022	Uranium-234	7.02E+03	3.28E+03	1.23E+04	pCi/L	U
1142	597936005	10/24/2022	Uranium-234	-4.19E+03	7.25E+03	2.17E+04	pCi/L	U
1142	601450004	11/21/2022	Uranium-234	-4.97E+03	5.35E+03	1.71E+04	pCi/L	U
1142	604619005	12/19/2022	Uranium-234	9.00E+03	6.92E+03	1.33E+04	pCi/L	U
1142	567643007	1/18/2022	Zinc-65	2.05E+00	1.93E+00	6.85E+00	pCi/L	U
1142	570264007	2/14/2022	Zinc-65	-1.91E-02	1.05E+00	3.37E+00	pCi/L	U
1142	573043005	3/14/2022	Zinc-65	3.73E+00	2.03E+00	7.71E+00	pCi/L	U
1142	576091006	4/11/2022	Zinc-65	-2.59E+00	2.52E+00	6.96E+00	pCi/L	U
1142	579261005	5/9/2022	Zinc-65	2.48E+00	2.01E+00	7.16E+00	pCi/L	U
1142	581945006	6/6/2022	Zinc-65	6.19E+00	3.90E+00	1.48E+01	pCi/L	U
1142	584821005	7/4/2022	Zinc-65	-1.73E+00	2.13E+00	5.60E+00	pCi/L	U
1142	587888005	8/1/2022	Zinc-65	1.29E+00	3.16E+00	1.06E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1142	590547005	8/29/2022	Zinc-65	4.43E+00	2.43E+00	9.31E+00	pCi/L	U
1142	594423004	9/26/2022	Zinc-65	-3.51E+00	2.41E+00	6.49E+00	pCi/L	U
1142	597936005	10/24/2022	Zinc-65	-1.78E+00	2.43E+00	7.00E+00	pCi/L	U
1142	601450004	11/21/2022	Zinc-65	4.40E+00	3.46E+00	8.00E+00	pCi/L	U
1142	604619005	12/19/2022	Zinc-65	1.63E+00	2.50E+00	8.02E+00	pCi/L	U
1142	567643007	1/18/2022	Zirconium-95	1.65E+00	1.61E+00	5.75E+00	pCi/L	U
1142	570264007	2/14/2022	Zirconium-95	6.24E-01	8.90E-01	3.01E+00	pCi/L	U
1142	573043005	3/14/2022	Zirconium-95	1.27E+00	1.80E+00	6.25E+00	pCi/L	U
1142	576091006	4/11/2022	Zirconium-95	1.53E+00	1.90E+00	6.42E+00	pCi/L	U
1142	579261005	5/9/2022	Zirconium-95	2.30E+00	1.51E+00	5.40E+00	pCi/L	U
1142	581945006	6/6/2022	Zirconium-95	-3.47E+00	2.89E+00	8.79E+00	pCi/L	U
1142	584821005	7/4/2022	Zirconium-95	1.71E+00	1.86E+00	6.79E+00	pCi/L	U
1142	587888005	8/1/2022	Zirconium-95	3.65E+00	3.53E+00	7.69E+00	pCi/L	U
1142	590547005	8/29/2022	Zirconium-95	-2.43E+00	1.90E+00	4.90E+00	pCi/L	U
1142	594423004	9/26/2022	Zirconium-95	-1.84E+00	1.93E+00	6.02E+00	pCi/L	U
1142	597936005	10/24/2022	Zirconium-95	-5.04E+00	2.64E+00	5.67E+00	pCi/L	U
1142	601450004	11/21/2022	Zirconium-95	1.88E+00	2.31E+00	8.27E+00	pCi/L	U
1142	604619005	12/19/2022	Zirconium-95	7.30E-01	2.34E+00	8.08E+00	pCi/L	U
1154	567643004	1/18/2022	Actinium-228	5.18E+00	5.53E+00	1.12E+01	pCi/L	U
1154	570264006	2/14/2022	Actinium-228	1.74E+00	3.99E+00	7.43E+00	pCi/L	U
1154	573043004	3/14/2022	Actinium-228	-4.48E-01	4.76E+00	1.53E+01	pCi/L	U
1154	576091004	4/11/2022	Actinium-228	-1.29E+01	5.31E+00	1.27E+01	pCi/L	U
1154	579261003	5/9/2022	Actinium-228	7.28E-01	7.87E+00	9.35E+00	pCi/L	U
1154	581945004	6/6/2022	Actinium-228	6.02E+00	5.80E+00	2.19E+01	pCi/L	U
1154	584821004	7/4/2022	Actinium-228	-5.62E-01	6.05E+00	1.92E+01	pCi/L	U
1154	587888004	8/1/2022	Actinium-228	-1.13E+00	6.92E+00	2.10E+01	pCi/L	U
1154	590547004	8/29/2022	Actinium-228	-4.92E+00	5.36E+00	1.77E+01	pCi/L	U
1154	594423003	9/26/2022	Actinium-228	9.51E+00	4.67E+00	1.81E+01	pCi/L	U
1154	597936004	10/24/2022	Actinium-228	9.45E+00	5.44E+00	1.96E+01	pCi/L	U
1154	601450003	11/21/2022	Actinium-228	1.00E+01	6.96E+00	2.13E+01	pCi/L	U
1154	604619004	12/19/2022	Actinium-228	7.56E+00	6.80E+00	1.78E+01	pCi/L	U
1154	567643004	1/18/2022	Americium-241	2.08E+00	3.82E+00	1.23E+01	pCi/L	U
1154	570264006	2/14/2022	Americium-241	-8.03E+00	3.99E+00	9.23E+00	pCi/L	U
1154	573043004	3/14/2022	Americium-241	-5.70E+00	6.77E+00	2.00E+01	pCi/L	U
1154	576091004	4/11/2022	Americium-241	1.37E-01	8.94E+00	2.98E+01	pCi/L	U
1154	579261003	5/9/2022	Americium-241	-1.21E+00	1.84E+00	5.26E+00	pCi/L	U
1154	581945004	6/6/2022	Americium-241	-7.47E+00	1.05E+01	3.24E+01	pCi/L	U
1154	584821004	7/4/2022	Americium-241	8.65E+00	6.21E+00	2.21E+01	pCi/L	U
1154	587888004	8/1/2022	Americium-241	1.74E+01	9.53E+00	3.15E+01	pCi/L	U
1154	590547004	8/29/2022	Americium-241	-1.70E+01	1.33E+01	3.95E+01	pCi/L	U
1154	594423003	9/26/2022	Americium-241	-7.97E+00	7.64E+00	2.46E+01	pCi/L	U
1154	597936004	10/24/2022	Americium-241	5.18E+00	7.59E+00	2.57E+01	pCi/L	U
1154	601450003	11/21/2022	Americium-241	2.34E+01	9.36E+00	3.27E+01	pCi/L	U
1154	604619004	12/19/2022	Americium-241	-1.70E+01	1.07E+01	2.93E+01	pCi/L	U
1154	567643004	1/18/2022	Antimony-124	-9.98E-01	1.87E+00	5.62E+00	pCi/L	U
1154	570264006	2/14/2022	Antimony-124	1.34E+00	1.12E+00	3.98E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	573043004	3/14/2022	Antimony-124	-1.91E+00	1.84E+00	4.47E+00	pCi/L	U
1154	576091004	4/11/2022	Antimony-124	-3.88E-01	1.86E+00	5.91E+00	pCi/L	U
1154	579261003	5/9/2022	Antimony-124	4.41E-01	2.58E+00	8.46E+00	pCi/L	U
1154	581945004	6/6/2022	Antimony-124	-1.82E+00	3.43E+00	1.05E+01	pCi/L	U
1154	584821004	7/4/2022	Antimony-124	2.47E+00	2.70E+00	1.00E+01	pCi/L	U
1154	587888004	8/1/2022	Antimony-124	1.14E+00	3.57E+00	1.23E+01	pCi/L	U
1154	590547004	8/29/2022	Antimony-124	-8.74E-01	3.31E+00	1.05E+01	pCi/L	U
1154	594423003	9/26/2022	Antimony-124	-2.75E-01	2.55E+00	8.29E+00	pCi/L	U
1154	597936004	10/24/2022	Antimony-124	-1.78E+00	2.33E+00	7.14E+00	pCi/L	U
1154	601450003	11/21/2022	Antimony-124	-9.29E-01	2.60E+00	7.94E+00	pCi/L	U
1154	604619004	12/19/2022	Antimony-124	-7.10E+00	2.71E+00	3.73E+00	pCi/L	U
1154	567643004	1/18/2022	Antimony-125	1.15E+00	2.05E+00	7.03E+00	pCi/L	U
1154	570264006	2/14/2022	Antimony-125	1.95E+00	1.39E+00	4.85E+00	pCi/L	U
1154	573043004	3/14/2022	Antimony-125	-8.94E-01	2.31E+00	7.53E+00	pCi/L	U
1154	576091004	4/11/2022	Antimony-125	-2.95E+00	2.17E+00	6.75E+00	pCi/L	U
1154	579261003	5/9/2022	Antimony-125	2.36E+00	2.37E+00	8.08E+00	pCi/L	U
1154	581945004	6/6/2022	Antimony-125	-5.04E-01	3.70E+00	1.04E+01	pCi/L	U
1154	584821004	7/4/2022	Antimony-125	-5.92E-02	3.06E+00	1.03E+01	pCi/L	U
1154	587888004	8/1/2022	Antimony-125	1.57E+00	3.32E+00	1.11E+01	pCi/L	U
1154	590547004	8/29/2022	Antimony-125	-3.91E+00	3.63E+00	9.04E+00	pCi/L	U
1154	594423003	9/26/2022	Antimony-125	-2.02E+00	2.57E+00	8.20E+00	pCi/L	U
1154	597936004	10/24/2022	Antimony-125	1.41E-01	3.01E+00	9.97E+00	pCi/L	U
1154	601450003	11/21/2022	Antimony-125	1.79E+00	3.05E+00	1.06E+01	pCi/L	U
1154	604619004	12/19/2022	Antimony-125	-3.53E+00	3.85E+00	1.18E+01	pCi/L	U
1154	567643004	1/18/2022	Barium-140	-4.34E-01	3.74E+00	1.22E+01	pCi/L	U
1154	570264006	2/14/2022	Barium-140	-2.47E-01	2.87E+00	9.52E+00	pCi/L	U
1154	573043004	3/14/2022	Barium-140	-2.01E+00	5.68E+00	1.82E+01	pCi/L	U
1154	576091004	4/11/2022	Barium-140	2.11E+00	4.57E+00	1.56E+01	pCi/L	U
1154	579261003	5/9/2022	Barium-140	1.56E+00	5.20E+00	1.70E+01	pCi/L	U
1154	581945004	6/6/2022	Barium-140	-8.60E+00	5.86E+00	1.78E+01	pCi/L	U
1154	584821004	7/4/2022	Barium-140	-3.60E+00	6.92E+00	2.22E+01	pCi/L	U
1154	587888004	8/1/2022	Barium-140	-1.29E+01	8.17E+00	2.45E+01	pCi/L	U
1154	590547004	8/29/2022	Barium-140	6.14E+00	5.37E+00	1.96E+01	pCi/L	U
1154	594423003	9/26/2022	Barium-140	4.02E+00	4.42E+00	1.59E+01	pCi/L	U
1154	597936004	10/3/2022	Barium-140	3.25E+00	4.89E+00	1.65E+01	pCi/L	U
1154	601450003	11/21/2022	Barium-140	3.85E+00	5.94E+00	2.06E+01	pCi/L	U
1154	604619004	12/19/2022	Barium-140	1.80E+00	7.59E+00	2.49E+01	pCi/L	U
1154	567643004	1/18/2022	Beryllium-7	2.05E+00	6.07E+00	2.05E+01	pCi/L	U
1154	570264006	2/14/2022	Beryllium-7	-5.56E-01	4.52E+00	1.51E+01	pCi/L	U
1154	573043004	3/14/2022	Beryllium-7	-6.79E+00	8.25E+00	2.56E+01	pCi/L	U
1154	576091004	4/11/2022	Beryllium-7	-5.56E+00	7.15E+00	2.28E+01	pCi/L	U
1154	579261003	5/9/2022	Beryllium-7	-7.65E+00	8.32E+00	2.58E+01	pCi/L	U
1154	581945004	6/6/2022	Beryllium-7	8.05E+00	1.07E+01	3.62E+01	pCi/L	U
1154	584821004	7/4/2022	Beryllium-7	-6.84E+00	1.16E+01	3.26E+01	pCi/L	U
1154	587888004	8/1/2022	Beryllium-7	-1.93E+00	1.21E+01	3.79E+01	pCi/L	U
1154	590547004	8/29/2022	Beryllium-7	1.15E+01	1.18E+01	4.00E+01	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1154	594423003	9/26/2022	Beryllium-7	-2.29E+01	1.09E+01	2.62E+01	pCi/L	U
1154	597936004	10/24/2022	Beryllium-7	-6.03E+00	9.11E+00	2.87E+01	pCi/L	U
1154	601450003	11/21/2022	Beryllium-7	-7.59E+00	9.66E+00	2.99E+01	pCi/L	U
1154	604619004	12/19/2022	Beryllium-7	-1.94E+01	1.20E+01	3.39E+01	pCi/L	U
1154	567643004	1/18/2022	Bismuth-214	1.31E+01	3.58E+00	8.26E+00	pCi/L	UI
1154	570264006	2/14/2022	Bismuth-214	8.38E-01	1.74E+00	4.10E+00	pCi/L	U
1154	573043004	3/14/2022	Bismuth-214	-8.02E-01	2.64E+00	8.31E+00	pCi/L	U
1154	576091004	4/11/2022	Bismuth-214	1.04E+00	2.40E+00	6.98E+00	pCi/L	U
1154	579261003	5/9/2022	Bismuth-214	1.62E+01	4.72E+00	9.85E+00	pCi/L	UI
1154	581945004	6/6/2022	Bismuth-214	4.72E-01	3.34E+00	1.05E+01	pCi/L	U
1154	584821004	7/4/2022	Bismuth-214	5.22E+00	2.47E+00	9.28E+00	pCi/L	U
1154	587888004	8/1/2022	Bismuth-214	4.54E+00	4.95E+00	1.07E+01	pCi/L	U
1154	590547004	8/29/2022	Bismuth-214	2.13E+00	3.09E+00	1.01E+01	pCi/L	U
1154	594423003	9/26/2022	Bismuth-214	1.48E+00	3.73E+00	6.15E+00	pCi/L	U
1154	597936004	10/24/2022	Bismuth-214	7.11E+00	4.57E+00	7.57E+00	pCi/L	U
1154	601450003	11/21/2022	Bismuth-214	1.50E+00	3.25E+00	1.03E+01	pCi/L	U
1154	604619004	12/19/2022	Bismuth-214	2.14E+01	7.14E+00	1.66E+01	pCi/L	UI
1154	567643004	1/18/2022	Cerium-141	1.33E+00	1.37E+00	4.58E+00	pCi/L	U
1154	570264006	2/14/2022	Cerium-141	-1.97E+00	9.66E-01	2.99E+00	pCi/L	U
1154	573043004	3/14/2022	Cerium-141	4.74E-02	1.93E+00	6.23E+00	pCi/L	U
1154	576091004	4/11/2022	Cerium-141	-5.53E-01	1.81E+00	5.76E+00	pCi/L	U
1154	579261003	5/9/2022	Cerium-141	-1.43E+00	1.32E+00	4.40E+00	pCi/L	U
1154	581945004	6/6/2022	Cerium-141	-6.52E-01	2.13E+00	7.17E+00	pCi/L	U
1154	584821004	7/4/2022	Cerium-141	-1.23E+00	2.45E+00	7.21E+00	pCi/L	U
1154	587888004	8/1/2022	Cerium-141	1.61E-01	2.48E+00	8.45E+00	pCi/L	U
1154	590547004	8/29/2022	Cerium-141	-2.31E+00	2.10E+00	6.79E+00	pCi/L	U
1154	594423003	9/26/2022	Cerium-141	1.61E+00	1.59E+00	5.47E+00	pCi/L	U
1154	597936004	10/24/2022	Cerium-141	-1.89E+00	2.14E+00	6.05E+00	pCi/L	U
1154	601450003	11/21/2022	Cerium-141	-6.16E-01	2.59E+00	7.42E+00	pCi/L	U
1154	604619004	12/19/2022	Cerium-141	-8.75E+00	3.21E+00	8.27E+00	pCi/L	U
1154	567643004	1/18/2022	Cerium-144	-1.07E+01	4.99E+00	1.50E+01	pCi/L	U
1154	570264006	2/14/2022	Cerium-144	2.77E+00	3.48E+00	1.15E+01	pCi/L	U
1154	573043004	3/14/2022	Cerium-144	-1.14E+01	7.42E+00	2.00E+01	pCi/L	U
1154	576091004	4/11/2022	Cerium-144	-5.70E+00	6.30E+00	1.97E+01	pCi/L	U
1154	579261003	5/9/2022	Cerium-144	9.85E+00	6.45E+00	1.56E+01	pCi/L	U
1154	581945004	6/6/2022	Cerium-144	-3.76E+00	7.96E+00	2.67E+01	pCi/L	U
1154	584821004	7/4/2022	Cerium-144	1.21E+01	7.05E+00	2.47E+01	pCi/L	U
1154	587888004	8/1/2022	Cerium-144	-5.13E+00	8.64E+00	2.89E+01	pCi/L	U
1154	590547004	8/29/2022	Cerium-144	3.56E+01	1.20E+01	2.91E+01	pCi/L	UI
1154	594423003	9/26/2022	Cerium-144	-1.49E+01	6.90E+00	2.00E+01	pCi/L	U
1154	597936004	10/24/2022	Cerium-144	5.81E+00	7.83E+00	2.57E+01	pCi/L	U
1154	601450003	11/21/2022	Cerium-144	8.62E+00	8.63E+00	2.60E+01	pCi/L	U
1154	604619004	12/19/2022	Cerium-144	2.24E+01	1.33E+01	3.33E+01	pCi/L	U
1154	567643004	1/18/2022	Cesium-134	9.49E-02	8.45E-01	2.71E+00	pCi/L	U
1154	570264006	2/14/2022	Cesium-134	9.42E-01	5.94E-01	2.04E+00	pCi/L	U
1154	573043004	3/14/2022	Cesium-134	-2.13E-01	1.22E+00	3.85E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1154	576091004	4/11/2022	Cesium-134	4.26E-01	8.91E-01	2.98E+00	pCi/L	U
1154	579261003	5/9/2022	Cesium-134	5.43E-01	1.12E+00	3.88E+00	pCi/L	U
1154	581945004	6/6/2022	Cesium-134	-1.02E+00	1.36E+00	4.17E+00	pCi/L	U
1154	584821004	7/4/2022	Cesium-134	2.23E-01	1.50E+00	4.91E+00	pCi/L	U
1154	587888004	8/1/2022	Cesium-134	-1.55E+00	1.40E+00	3.32E+00	pCi/L	U
1154	590547004	8/29/2022	Cesium-134	2.46E+00	1.43E+00	5.29E+00	pCi/L	U
1154	594423003	9/26/2022	Cesium-134	-1.29E+00	1.11E+00	3.09E+00	pCi/L	U
1154	597936004	10/24/2022	Cesium-134	-8.20E-01	1.13E+00	3.64E+00	pCi/L	U
1154	601450003	11/21/2022	Cesium-134	2.47E+00	1.35E+00	5.02E+00	pCi/L	U
1154	604619004	12/19/2022	Cesium-134	1.98E+00	1.38E+00	5.18E+00	pCi/L	U
1154	567643004	1/18/2022	Cesium-137	-1.18E+00	1.11E+00	3.02E+00	pCi/L	U
1154	570264006	2/14/2022	Cesium-137	2.17E-01	5.73E-01	1.90E+00	pCi/L	U
1154	573043004	3/14/2022	Cesium-137	-4.19E+00	1.46E+00	4.07E+00	pCi/L	U
1154	576091004	4/11/2022	Cesium-137	2.61E-01	9.74E-01	3.23E+00	pCi/L	U
1154	579261003	5/9/2022	Cesium-137	1.24E+00	1.84E+00	3.12E+00	pCi/L	U
1154	581945004	6/6/2022	Cesium-137	-2.49E+00	1.65E+00	4.45E+00	pCi/L	U
1154	584821004	7/4/2022	Cesium-137	6.15E-02	1.55E+00	4.64E+00	pCi/L	U
1154	587888004	8/1/2022	Cesium-137	5.73E-01	1.38E+00	4.77E+00	pCi/L	U
1154	590547004	8/29/2022	Cesium-137	1.54E+00	1.27E+00	4.64E+00	pCi/L	U
1154	594423003	9/26/2022	Cesium-137	-5.44E-05	1.31E+00	4.19E+00	pCi/L	U
1154	597936004	10/24/2022	Cesium-137	7.39E-01	1.22E+00	3.67E+00	pCi/L	U
1154	601450003	11/21/2022	Cesium-137	-6.51E-01	1.13E+00	3.21E+00	pCi/L	U
1154	604619004	12/19/2022	Cesium-137	3.30E+00	1.35E+00	5.19E+00	pCi/L	U
1154	567643004	1/18/2022	Chromium-51	1.71E+01	1.20E+01	2.34E+01	pCi/L	U
1154	570264006	2/14/2022	Chromium-51	2.19E+00	4.67E+00	1.62E+01	pCi/L	U
1154	573043004	3/14/2022	Chromium-51	-8.38E+00	1.07E+01	3.49E+01	pCi/L	U
1154	576091004	4/11/2022	Chromium-51	-8.36E+00	8.71E+00	2.86E+01	pCi/L	U
1154	579261003	5/9/2022	Chromium-51	-9.20E-01	8.98E+00	2.65E+01	pCi/L	U
1154	581945004	6/6/2022	Chromium-51	-1.13E+00	1.15E+01	3.74E+01	pCi/L	U
1154	584821004	7/4/2022	Chromium-51	-1.27E+01	1.15E+01	3.73E+01	pCi/L	U
1154	587888004	8/1/2022	Chromium-51	-9.05E+00	1.34E+01	4.20E+01	pCi/L	U
1154	590547004	8/29/2022	Chromium-51	1.16E+01	1.08E+01	3.75E+01	pCi/L	U
1154	594423003	9/26/2022	Chromium-51	1.30E+00	9.21E+00	2.91E+01	pCi/L	U
1154	597936004	10/24/2022	Chromium-51	1.56E+00	8.64E+00	2.93E+01	pCi/L	U
1154	601450003	11/21/2022	Chromium-51	-5.08E+00	1.07E+01	3.49E+01	pCi/L	U
1154	604619004	12/19/2022	Chromium-51	-6.02E+00	1.47E+01	4.78E+01	pCi/L	U
1154	567643004	1/18/2022	Cobalt-57	-6.61E-01	6.57E-01	2.08E+00	pCi/L	U
1154	570264006	2/14/2022	Cobalt-57	2.50E-01	4.46E-01	1.47E+00	pCi/L	U
1154	573043004	3/14/2022	Cobalt-57	8.11E-01	8.57E-01	2.92E+00	pCi/L	U
1154	576091004	4/11/2022	Cobalt-57	2.02E-01	8.31E-01	2.72E+00	pCi/L	U
1154	579261003	5/9/2022	Cobalt-57	5.26E-01	5.87E-01	2.06E+00	pCi/L	U
1154	581945004	6/6/2022	Cobalt-57	-9.57E-01	1.12E+00	3.73E+00	pCi/L	U
1154	584821004	7/4/2022	Cobalt-57	-9.41E-01	1.06E+00	3.32E+00	pCi/L	U
1154	587888004	8/1/2022	Cobalt-57	-6.88E-01	1.17E+00	3.92E+00	pCi/L	U
1154	590547004	8/29/2022	Cobalt-57	1.32E+00	1.15E+00	4.09E+00	pCi/L	U
1154	594423003	9/26/2022	Cobalt-57	2.42E+00	1.26E+00	3.11E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	597936004	10/24/2022	Cobalt-57	-2.55E-01	1.14E+00	3.35E+00	pCi/L	U
1154	601450003	11/21/2022	Cobalt-57	1.57E+00	1.06E+00	3.62E+00	pCi/L	U
1154	604619004	12/19/2022	Cobalt-57	1.49E+00	1.82E+00	4.14E+00	pCi/L	U
1154	567643004	1/18/2022	Cobalt-58	3.95E-01	7.25E-01	2.41E+00	pCi/L	U
1154	570264006	2/14/2022	Cobalt-58	4.89E-01	5.37E-01	1.80E+00	pCi/L	U
1154	573043004	3/14/2022	Cobalt-58	1.29E+00	1.19E+00	4.17E+00	pCi/L	U
1154	576091004	4/11/2022	Cobalt-58	-7.64E-01	9.68E-01	2.52E+00	pCi/L	U
1154	579261003	5/9/2022	Cobalt-58	-4.58E-01	9.24E-01	3.03E+00	pCi/L	U
1154	581945004	6/6/2022	Cobalt-58	-6.13E-01	1.28E+00	4.04E+00	pCi/L	U
1154	584821004	7/4/2022	Cobalt-58	-1.74E-01	1.28E+00	4.08E+00	pCi/L	U
1154	587888004	8/1/2022	Cobalt-58	8.03E-02	1.38E+00	4.59E+00	pCi/L	U
1154	590547004	8/29/2022	Cobalt-58	-2.43E+00	1.20E+00	3.11E+00	pCi/L	U
1154	594423003	9/26/2022	Cobalt-58	-1.40E+00	9.71E-01	2.57E+00	pCi/L	U
1154	597936004	10/24/2022	Cobalt-58	-7.12E-02	8.93E-01	3.00E+00	pCi/L	U
1154	601450003	11/21/2022	Cobalt-58	7.28E-02	1.17E+00	3.76E+00	pCi/L	U
1154	604619004	12/19/2022	Cobalt-58	-4.32E-01	1.18E+00	3.82E+00	pCi/L	U
1154	567643004	1/18/2022	Cobalt-60	8.15E-01	7.04E-01	2.57E+00	pCi/L	U
1154	570264006	2/14/2022	Cobalt-60	5.29E-01	4.33E-01	1.56E+00	pCi/L	U
1154	573043004	3/14/2022	Cobalt-60	5.75E-01	9.90E-01	3.53E+00	pCi/L	U
1154	576091004	4/11/2022	Cobalt-60	3.11E-01	1.03E+00	3.51E+00	pCi/L	U
1154	579261003	5/9/2022	Cobalt-60	1.35E-01	1.09E+00	3.60E+00	pCi/L	U
1154	581945004	6/6/2022	Cobalt-60	1.68E+00	1.46E+00	5.51E+00	pCi/L	U
1154	584821004	7/4/2022	Cobalt-60	4.13E-01	1.10E+00	3.86E+00	pCi/L	U
1154	587888004	8/1/2022	Cobalt-60	-2.03E+00	1.31E+00	3.47E+00	pCi/L	U
1154	590547004	8/29/2022	Cobalt-60	-1.73E+00	1.17E+00	3.07E+00	pCi/L	U
1154	594423003	9/26/2022	Cobalt-60	3.94E-01	1.19E+00	4.18E+00	pCi/L	U
1154	597936004	10/24/2022	Cobalt-60	1.53E-01	1.00E+00	3.32E+00	pCi/L	U
1154	601450003	11/21/2022	Cobalt-60	5.53E-01	1.48E+00	5.08E+00	pCi/L	U
1154	604619004	12/19/2022	Cobalt-60	-2.31E+00	1.50E+00	3.83E+00	pCi/L	U
1154	567643004	1/18/2022	Iodine-131	-4.25E-01	1.27E+00	4.22E+00	pCi/L	U
1154	570264006	2/14/2022	Iodine-131	-2.40E-01	1.03E+00	3.47E+00	pCi/L	U
1154	573043004	3/14/2022	Iodine-131	-8.81E-01	2.49E+00	8.27E+00	pCi/L	U
1154	576091004	4/11/2022	Iodine-131	-7.45E-01	2.02E+00	6.01E+00	pCi/L	U
1154	579261003	5/9/2022	Iodine-131	-1.94E+00	1.77E+00	5.56E+00	pCi/L	U
1154	581945004	6/6/2022	Iodine-131	-2.51E-01	2.02E+00	6.50E+00	pCi/L	U
1154	584821004	7/4/2022	Iodine-131	-9.74E-02	2.58E+00	8.76E+00	pCi/L	U
1154	587888004	8/1/2022	Iodine-131	-5.42E+00	3.14E+00	8.82E+00	pCi/L	U
1154	590547004	8/29/2022	Iodine-131	9.23E-01	2.04E+00	6.11E+00	pCi/L	U
1154	594423003	9/26/2022	Iodine-131	-5.32E-01	1.26E+00	4.22E+00	pCi/L	U
1154	597936004	10/24/2022	Iodine-131	7.53E-01	1.53E+00	5.23E+00	pCi/L	U
1154	601450003	11/21/2022	Iodine-131	4.64E+00	2.00E+00	6.85E+00	pCi/L	U
1154	604619004	12/19/2022	Iodine-131	-3.76E+00	3.22E+00	9.87E+00	pCi/L	U
1154	567643004	1/18/2022	Iron-59	-1.02E+00	1.45E+00	4.55E+00	pCi/L	U
1154	570264006	2/14/2022	Iron-59	-1.24E+00	1.12E+00	3.10E+00	pCi/L	U
1154	573043004	3/14/2022	Iron-59	9.16E-01	2.23E+00	7.80E+00	pCi/L	U
1154	576091004	4/11/2022	Iron-59	-3.46E+00	1.97E+00	5.74E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	579261003	5/9/2022	Iron-59	-2.03E+00	2.07E+00	6.41E+00	pCi/L	U
1154	581945004	6/6/2022	Iron-59	-8.71E-01	2.35E+00	7.20E+00	pCi/L	U
1154	584821004	7/4/2022	Iron-59	-1.58E+00	2.24E+00	6.01E+00	pCi/L	U
1154	587888004	8/1/2022	Iron-59	-5.04E+00	2.94E+00	7.36E+00	pCi/L	U
1154	590547004	8/29/2022	Iron-59	3.40E+00	2.24E+00	8.52E+00	pCi/L	U
1154	594423003	9/26/2022	Iron-59	-2.44E+00	2.30E+00	6.24E+00	pCi/L	U
1154	597936004	10/24/2022	Iron-59	1.02E+00	2.39E+00	8.14E+00	pCi/L	U
1154	601450003	11/21/2022	Iron-59	-2.47E+00	2.74E+00	8.40E+00	pCi/L	U
1154	604619004	12/19/2022	Iron-59	4.52E+00	3.13E+00	1.16E+01	pCi/L	U
1154	567643004	1/18/2022	Lanthanum-140	-1.95E+00	1.38E+00	3.23E+00	pCi/L	U
1154	570264006	2/14/2022	Lanthanum-140	-1.14E+00	8.84E-01	2.67E+00	pCi/L	U
1154	573043004	3/14/2022	Lanthanum-140	4.00E+00	2.13E+00	8.61E+00	pCi/L	U
1154	576091004	4/11/2022	Lanthanum-140	1.82E+00	1.74E+00	6.31E+00	pCi/L	U
1154	579261003	5/9/2022	Lanthanum-140	-3.26E+00	1.99E+00	5.44E+00	pCi/L	U
1154	581945004	6/6/2022	Lanthanum-140	1.79E+00	1.47E+00	5.86E+00	pCi/L	U
1154	584821004	7/4/2022	Lanthanum-140	-4.04E+00	2.15E+00	2.70E+00	pCi/L	U
1154	587888004	8/1/2022	Lanthanum-140	8.11E-01	2.03E+00	7.20E+00	pCi/L	U
1154	590547004	8/29/2022	Lanthanum-140	-1.25E+00	2.38E+00	6.19E+00	pCi/L	U
1154	594423003	9/26/2022	Lanthanum-140	5.08E-01	1.21E+00	4.31E+00	pCi/L	U
1154	597936004	10/24/2022	Lanthanum-140	-4.33E+00	2.87E+00	5.11E+00	pCi/L	U
1154	601450003	11/21/2022	Lanthanum-140	-9.59E-01	2.21E+00	6.75E+00	pCi/L	U
1154	604619004	12/19/2022	Lanthanum-140	8.87E-01	2.56E+00	8.99E+00	pCi/L	U
1154	567643004	1/18/2022	Lead-210	2.22E+02	1.46E+02	2.57E+02	pCi/L	U
1154	570264006	2/14/2022	Lead-210	-2.20E+01	1.04E+02	2.54E+02	pCi/L	U
1154	573043004	3/14/2022	Lead-210	-2.45E+02	1.77E+02	5.19E+02	pCi/L	U
1154	576091004	4/11/2022	Lead-210	-6.95E+02	5.31E+02	1.37E+03	pCi/L	U
1154	579261003	5/9/2022	Lead-210	-4.89E+01	2.29E+01	7.07E+01	pCi/L	U
1154	581945004	6/6/2022	Lead-210	-2.54E+02	3.25E+02	1.00E+03	pCi/L	U
1154	584821004	7/4/2022	Lead-210	-1.12E+02	1.66E+02	5.42E+02	pCi/L	U
1154	587888004	8/1/2022	Lead-210	1.24E+02	3.50E+02	1.15E+03	pCi/L	U
1154	590547004	8/29/2022	Lead-210	8.12E+02	5.29E+02	1.81E+03	pCi/L	U
1154	594423003	9/26/2022	Lead-210	2.55E+02	3.73E+02	7.70E+02	pCi/L	U
1154	597936004	10/24/2022	Lead-210	-5.93E+01	2.29E+02	7.59E+02	pCi/L	U
1154	601450003	11/21/2022	Lead-210	-1.04E+02	3.74E+02	1.12E+03	pCi/L	U
1154	604619004	12/19/2022	Lead-210	-2.49E+02	2.85E+02	8.93E+02	pCi/L	U
1154	567643004	1/18/2022	Lead-212	3.18E+00	3.14E+00	4.34E+00	pCi/L	U
1154	570264006	2/14/2022	Lead-212	2.95E+00	2.10E+00	2.97E+00	pCi/L	U
1154	573043004	3/14/2022	Lead-212	3.68E-01	3.26E+00	7.42E+00	pCi/L	U
1154	576091004	4/11/2022	Lead-212	-2.11E+00	2.70E+00	8.28E+00	pCi/L	U
1154	579261003	5/9/2022	Lead-212	-8.27E-01	2.34E+00	6.41E+00	pCi/L	U
1154	581945004	6/6/2022	Lead-212	9.31E+00	5.08E+00	1.07E+01	pCi/L	U
1154	584821004	7/4/2022	Lead-212	3.30E+00	3.53E+00	8.42E+00	pCi/L	U
1154	587888004	8/1/2022	Lead-212	6.12E+00	3.63E+00	1.04E+01	pCi/L	U
1154	590547004	8/29/2022	Lead-212	9.37E-01	3.09E+00	9.93E+00	pCi/L	U
1154	594423003	9/26/2022	Lead-212	-4.64E+00	2.42E+00	7.63E+00	pCi/L	U
1154	597936004	10/24/2022	Lead-212	1.01E+00	2.43E+00	7.85E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1154	601450003	11/21/2022	Lead-212	7.67E+00	4.38E+00	9.55E+00	pCi/L	U
1154	604619004	12/19/2022	Lead-212	5.78E+00	4.60E+00	7.89E+00	pCi/L	U
1154	567643004	1/18/2022	Lead-214	-5.45E-01	2.21E+00	6.62E+00	pCi/L	U
1154	570264006	2/14/2022	Lead-214	2.19E+00	1.16E+00	4.11E+00	pCi/L	U
1154	573043004	3/14/2022	Lead-214	-1.13E+00	2.68E+00	8.46E+00	pCi/L	U
1154	576091004	4/11/2022	Lead-214	4.54E+00	3.81E+00	7.30E+00	pCi/L	U
1154	579261003	5/9/2022	Lead-214	1.19E+00	3.33E+00	5.75E+00	pCi/L	U
1154	581945004	6/6/2022	Lead-214	2.33E+00	3.52E+00	1.12E+01	pCi/L	U
1154	584821004	7/4/2022	Lead-214	1.98E+00	2.62E+00	9.26E+00	pCi/L	U
1154	587888004	8/1/2022	Lead-214	1.05E+00	3.11E+00	1.04E+01	pCi/L	U
1154	590547004	8/29/2022	Lead-214	6.99E-01	3.26E+00	1.01E+01	pCi/L	U
1154	594423003	9/26/2022	Lead-214	-5.16E-01	2.76E+00	8.49E+00	pCi/L	U
1154	597936004	10/24/2022	Lead-214	-2.53E+00	2.96E+00	9.22E+00	pCi/L	U
1154	601450003	11/21/2022	Lead-214	1.82E+00	3.37E+00	1.09E+01	pCi/L	U
1154	604619004	12/19/2022	Lead-214	3.03E+00	4.92E+00	1.27E+01	pCi/L	U
1154	567643004	1/18/2022	Manganese-54	-8.13E-01	7.39E-01	2.13E+00	pCi/L	U
1154	570264006	2/14/2022	Manganese-54	-3.95E-01	5.64E-01	1.77E+00	pCi/L	U
1154	573043004	3/14/2022	Manganese-54	1.77E-01	1.02E+00	3.33E+00	pCi/L	U
1154	576091004	4/11/2022	Manganese-54	-1.28E+00	9.38E-01	2.69E+00	pCi/L	U
1154	579261003	5/9/2022	Manganese-54	2.24E-01	1.01E+00	3.46E+00	pCi/L	U
1154	581945004	6/6/2022	Manganese-54	-1.52E+00	1.35E+00	3.20E+00	pCi/L	U
1154	584821004	7/4/2022	Manganese-54	-7.82E-01	1.39E+00	4.28E+00	pCi/L	U
1154	587888004	8/1/2022	Manganese-54	-2.86E+00	1.35E+00	3.47E+00	pCi/L	U
1154	590547004	8/29/2022	Manganese-54	-6.87E-01	1.14E+00	3.52E+00	pCi/L	U
1154	594423003	9/26/2022	Manganese-54	-1.39E-01	8.98E-01	2.86E+00	pCi/L	U
1154	597936004	10/24/2022	Manganese-54	-1.04E+00	9.37E-01	2.90E+00	pCi/L	U
1154	601450003	11/21/2022	Manganese-54	-1.19E+00	9.30E-01	2.41E+00	pCi/L	U
1154	604619004	12/19/2022	Manganese-54	-1.39E+00	1.23E+00	3.69E+00	pCi/L	U
1154	567643004	1/18/2022	Molybdenum-99	2.59E+01	4.20E+01	1.35E+02	pCi/L	U
1154	570264006	2/14/2022	Molybdenum-99	-1.75E+01	3.43E+01	1.09E+02	pCi/L	U
1154	573043004	3/14/2022	Molybdenum-99	-1.23E+02	1.30E+02	3.79E+02	pCi/L	U
1154	576091004	4/11/2022	Molybdenum-99	1.83E+01	6.28E+01	2.08E+02	pCi/L	U
1154	579261003	5/9/2022	Molybdenum-99	-1.17E+02	6.76E+01	2.07E+02	pCi/L	U
1154	581945004	6/6/2022	Molybdenum-99	5.24E+01	3.57E+01	1.33E+02	pCi/L	U
1154	584821004	7/4/2022	Molybdenum-99	-2.19E+02	1.02E+02	2.65E+02	pCi/L	U
1154	587888004	8/1/2022	Molybdenum-99	-1.41E+02	1.72E+02	4.43E+02	pCi/L	U
1154	590547004	8/29/2022	Molybdenum-99	5.37E+01	2.38E+01	9.28E+01	pCi/L	U
1154	594423003	9/26/2022	Molybdenum-99	-1.93E+01	1.56E+01	4.27E+01	pCi/L	U
1154	597936004	10/24/2022	Molybdenum-99	-9.22E+00	2.64E+01	8.14E+01	pCi/L	U
1154	601450003	11/21/2022	Molybdenum-99	1.39E+02	8.15E+01	3.10E+02	pCi/L	U
1154	604619004	12/19/2022	Molybdenum-99	-3.69E-01	1.04E+02	3.10E+02	pCi/L	U
1154	567643004	1/18/2022	Niobium-95	1.13E+00	9.21E-01	2.90E+00	pCi/L	U
1154	570264006	2/14/2022	Niobium-95	5.43E-01	5.49E-01	1.85E+00	pCi/L	U
1154	573043004	3/14/2022	Niobium-95	-7.98E-01	1.19E+00	3.58E+00	pCi/L	U
1154	576091004	4/11/2022	Niobium-95	9.08E-02	9.25E-01	3.01E+00	pCi/L	U
1154	579261003	5/9/2022	Niobium-95	4.42E-01	1.03E+00	3.55E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	581945004	6/6/2022	Niobium-95	1.00E+00	1.19E+00	4.25E+00	pCi/L	U
1154	584821004	7/4/2022	Niobium-95	2.01E+00	1.21E+00	4.47E+00	pCi/L	U
1154	587888004	8/1/2022	Niobium-95	-2.24E+00	1.26E+00	3.14E+00	pCi/L	U
1154	590547004	8/29/2022	Niobium-95	5.53E-01	1.39E+00	4.61E+00	pCi/L	U
1154	594423003	9/26/2022	Niobium-95	-1.12E+00	9.83E-01	2.78E+00	pCi/L	U
1154	597936004	10/24/2022	Niobium-95	-3.32E-01	1.44E+00	3.97E+00	pCi/L	U
1154	601450003	11/21/2022	Niobium-95	-2.31E+00	1.42E+00	3.37E+00	pCi/L	U
1154	604619004	12/19/2022	Niobium-95	-2.52E-01	1.63E+00	5.18E+00	pCi/L	U
1154	567643004	1/18/2022	Potassium-40	1.84E+01	1.52E+01	2.60E+01	pCi/L	U
1154	570264006	2/14/2022	Potassium-40	2.50E+00	1.12E+01	1.52E+01	pCi/L	U
1154	573043004	3/14/2022	Potassium-40	1.79E+00	1.50E+01	4.17E+01	pCi/L	U
1154	576091004	4/11/2022	Potassium-40	-1.99E+01	1.63E+01	5.29E+01	pCi/L	U
1154	579261003	5/9/2022	Potassium-40	6.12E+00	1.79E+01	5.81E+01	pCi/L	U
1154	581945004	6/6/2022	Potassium-40	7.10E+00	2.20E+01	7.04E+01	pCi/L	U
1154	584821004	7/4/2022	Potassium-40	2.56E+01	1.80E+01	3.80E+01	pCi/L	U
1154	587888004	8/1/2022	Potassium-40	4.15E+01	1.85E+01	4.64E+01	pCi/L	U
1154	590547004	8/29/2022	Potassium-40	5.98E+00	2.07E+01	7.36E+01	pCi/L	U
1154	594423003	9/26/2022	Potassium-40	-1.19E+01	1.67E+01	5.73E+01	pCi/L	U
1154	597936004	10/24/2022	Potassium-40	6.73E+01	2.72E+01	3.27E+01	pCi/L	UI
1154	601450003	11/21/2022	Potassium-40	-1.92E+01	1.69E+01	5.05E+01	pCi/L	U
1154	604619004	12/19/2022	Potassium-40	3.48E+01	2.84E+01	4.94E+01	pCi/L	U
1154	567643004	1/18/2022	Radium-226	-7.40E+01	2.52E+01	6.96E+01	pCi/L	U
1154	570264006	2/14/2022	Radium-226	3.57E+01	2.48E+01	3.64E+01	pCi/L	U
1154	573043004	3/14/2022	Radium-226	-9.62E+01	3.04E+01	9.20E+01	pCi/L	U
1154	576091004	4/11/2022	Radium-226	1.90E+01	4.72E+01	6.19E+01	pCi/L	U
1154	579261003	5/9/2022	Radium-226	5.21E+01	4.09E+01	5.01E+01	pCi/L	UI
1154	581945004	6/6/2022	Radium-226	5.89E+01	5.76E+01	7.83E+01	pCi/L	U
1154	584821004	7/4/2022	Radium-226	-2.31E+01	3.43E+01	1.02E+02	pCi/L	U
1154	587888004	8/1/2022	Radium-226	-7.01E+00	3.70E+01	1.28E+02	pCi/L	U
1154	590547004	8/29/2022	Radium-226	-7.31E+01	3.89E+01	1.32E+02	pCi/L	U
1154	594423003	9/26/2022	Radium-226	5.09E+01	4.81E+01	5.67E+01	pCi/L	U
1154	597936004	10/24/2022	Radium-226	3.59E+00	5.43E+01	8.13E+01	pCi/L	U
1154	601450003	11/21/2022	Radium-226	2.50E+01	5.48E+01	7.39E+01	pCi/L	U
1154	604619004	12/19/2022	Radium-226	2.13E+00	7.08E+01	1.00E+02	pCi/L	U
1154	567643004	1/18/2022	Radium-228	5.18E+00	5.53E+00	1.12E+01	pCi/L	U
1154	570264006	2/14/2022	Radium-228	1.74E+00	3.99E+00	7.43E+00	pCi/L	U
1154	573043004	3/14/2022	Radium-228	-4.48E-01	4.76E+00	1.53E+01	pCi/L	U
1154	576091004	4/11/2022	Radium-228	-1.29E+01	5.31E+00	1.27E+01	pCi/L	U
1154	579261003	5/9/2022	Radium-228	7.28E-01	7.87E+00	9.35E+00	pCi/L	U
1154	581945004	6/6/2022	Radium-228	6.02E+00	5.80E+00	2.19E+01	pCi/L	U
1154	584821004	7/4/2022	Radium-228	-5.62E-01	6.05E+00	1.92E+01	pCi/L	U
1154	587888004	8/1/2022	Radium-228	-1.13E+00	6.92E+00	2.10E+01	pCi/L	U
1154	590547004	8/29/2022	Radium-228	-4.92E+00	5.36E+00	1.77E+01	pCi/L	U
1154	594423003	9/26/2022	Radium-228	9.51E+00	4.67E+00	1.81E+01	pCi/L	U
1154	597936004	10/24/2022	Radium-228	9.45E+00	5.44E+00	1.96E+01	pCi/L	U
1154	601450003	11/21/2022	Radium-228	1.00E+01	6.96E+00	2.13E+01	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1154	604619004	12/19/2022	Radium-228	7.56E+00	6.80E+00	1.78E+01	pCi/L	U
1154	567643004	1/18/2022	Ruthenium-103	-1.51E+00	8.41E-01	2.52E+00	pCi/L	U
1154	570264006	2/14/2022	Ruthenium-103	-1.12E+00	6.43E-01	1.79E+00	pCi/L	U
1154	573043004	3/14/2022	Ruthenium-103	-1.95E+00	1.15E+00	2.72E+00	pCi/L	U
1154	576091004	4/11/2022	Ruthenium-103	-3.20E-01	1.04E+00	3.04E+00	pCi/L	U
1154	579261003	5/9/2022	Ruthenium-103	6.60E-01	1.10E+00	3.31E+00	pCi/L	U
1154	581945004	6/6/2022	Ruthenium-103	-7.51E-01	1.28E+00	3.84E+00	pCi/L	U
1154	584821004	7/4/2022	Ruthenium-103	-1.53E-01	1.33E+00	4.41E+00	pCi/L	U
1154	587888004	8/1/2022	Ruthenium-103	-6.51E-01	1.40E+00	4.26E+00	pCi/L	U
1154	590547004	8/29/2022	Ruthenium-103	1.43E+00	1.20E+00	4.19E+00	pCi/L	U
1154	594423003	9/26/2022	Ruthenium-103	-5.80E-01	9.67E-01	2.71E+00	pCi/L	U
1154	597936004	10/24/2022	Ruthenium-103	-1.81E+00	1.13E+00	3.35E+00	pCi/L	U
1154	601450003	11/21/2022	Ruthenium-103	-1.87E+00	1.03E+00	2.76E+00	pCi/L	U
1154	604619004	12/19/2022	Ruthenium-103	1.60E+00	1.46E+00	5.09E+00	pCi/L	U
1154	567643004	1/18/2022	Ruthenium-106	-1.04E+00	6.65E+00	2.14E+01	pCi/L	U
1154	570264006	2/14/2022	Ruthenium-106	-4.09E+00	4.50E+00	1.43E+01	pCi/L	U
1154	573043004	3/14/2022	Ruthenium-106	3.65E+00	8.80E+00	2.98E+01	pCi/L	U
1154	576091004	4/11/2022	Ruthenium-106	-4.28E+00	7.05E+00	2.21E+01	pCi/L	U
1154	579261003	5/9/2022	Ruthenium-106	2.64E+01	8.88E+00	3.10E+01	pCi/L	U
1154	581945004	6/6/2022	Ruthenium-106	1.86E+01	1.16E+01	4.35E+01	pCi/L	U
1154	584821004	7/4/2022	Ruthenium-106	7.89E-01	1.12E+01	3.71E+01	pCi/L	U
1154	587888004	8/1/2022	Ruthenium-106	-9.38E+00	1.07E+01	3.34E+01	pCi/L	U
1154	590547004	8/29/2022	Ruthenium-106	-1.42E+00	1.05E+01	3.50E+01	pCi/L	U
1154	594423003	9/26/2022	Ruthenium-106	-6.20E+00	9.05E+00	2.81E+01	pCi/L	U
1154	597936004	10/24/2022	Ruthenium-106	-1.94E-01	1.11E+01	3.16E+01	pCi/L	U
1154	601450003	11/21/2022	Ruthenium-106	-1.10E+01	1.01E+01	2.46E+01	pCi/L	U
1154	604619004	12/19/2022	Ruthenium-106	-2.90E+00	1.20E+01	3.74E+01	pCi/L	U
1154	567643004	1/18/2022	Selenium-75	-9.29E-01	1.04E+00	3.11E+00	pCi/L	U
1154	570264006	2/14/2022	Selenium-75	-4.76E-01	7.44E-01	2.29E+00	pCi/L	U
1154	573043004	3/14/2022	Selenium-75	-1.37E+00	1.50E+00	4.40E+00	pCi/L	U
1154	576091004	4/11/2022	Selenium-75	-1.45E+00	1.42E+00	4.21E+00	pCi/L	U
1154	579261003	5/9/2022	Selenium-75	2.13E+00	1.10E+00	3.90E+00	pCi/L	U
1154	581945004	6/6/2022	Selenium-75	-1.32E+00	1.93E+00	5.41E+00	pCi/L	U
1154	584821004	7/4/2022	Selenium-75	2.16E+00	1.58E+00	5.35E+00	pCi/L	U
1154	587888004	8/1/2022	Selenium-75	1.18E+00	1.78E+00	6.11E+00	pCi/L	U
1154	590547004	8/29/2022	Selenium-75	1.21E+00	1.68E+00	5.74E+00	pCi/L	U
1154	594423003	9/26/2022	Selenium-75	1.48E-02	1.39E+00	4.39E+00	pCi/L	U
1154	597936004	10/24/2022	Selenium-75	-6.16E-01	1.33E+00	4.46E+00	pCi/L	U
1154	601450003	11/21/2022	Selenium-75	1.37E+00	1.50E+00	5.35E+00	pCi/L	U
1154	604619004	12/19/2022	Selenium-75	2.52E+00	1.97E+00	6.98E+00	pCi/L	U
1154	567643004	1/18/2022	Silver-108m	2.47E-01	6.46E-01	2.20E+00	pCi/L	U
1154	570264006	2/14/2022	Silver-108m	-1.64E+00	8.06E-01	1.69E+00	pCi/L	U
1154	573043004	3/14/2022	Silver-108m	2.10E-01	8.24E-01	2.82E+00	pCi/L	U
1154	576091004	4/11/2022	Silver-108m	7.72E-01	7.51E-01	2.65E+00	pCi/L	U
1154	579261003	5/9/2022	Silver-108m	3.62E-01	8.33E-01	2.77E+00	pCi/L	U
1154	581945004	6/6/2022	Silver-108m	1.14E+00	1.06E+00	3.43E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1154	584821004	7/4/2022	Silver-108m	4.60E-01	1.13E+00	3.49E+00	pCi/L	U
1154	587888004	8/1/2022	Silver-108m	-7.61E-01	9.99E-01	2.98E+00	pCi/L	U
1154	590547004	8/29/2022	Silver-108m	3.68E+00	1.11E+00	4.22E+00	pCi/L	U
1154	594423003	9/26/2022	Silver-108m	-4.54E-01	8.30E-01	2.70E+00	pCi/L	U
1154	597936004	10/24/2022	Silver-108m	-1.79E+00	1.00E+00	2.99E+00	pCi/L	U
1154	601450003	11/21/2022	Silver-108m	-2.30E-01	8.59E-01	2.79E+00	pCi/L	U
1154	604619004	12/19/2022	Silver-108m	-9.96E-01	1.21E+00	3.21E+00	pCi/L	U
1154	567643004	1/18/2022	Silver-110m	8.10E-01	8.74E-01	2.89E+00	pCi/L	U
1154	570264006	2/14/2022	Silver-110m	-4.86E-01	6.73E-01	2.08E+00	pCi/L	U
1154	573043004	3/14/2022	Silver-110m	-1.60E+00	1.32E+00	3.56E+00	pCi/L	U
1154	576091004	4/11/2022	Silver-110m	2.68E-03	1.18E+00	3.78E+00	pCi/L	U
1154	579261003	5/9/2022	Silver-110m	4.39E+00	2.61E+00	4.89E+00	pCi/L	U
1154	581945004	6/6/2022	Silver-110m	-2.12E+00	1.74E+00	4.94E+00	pCi/L	U
1154	584821004	7/4/2022	Silver-110m	2.37E+00	1.39E+00	5.28E+00	pCi/L	U
1154	587888004	8/1/2022	Silver-110m	3.21E+00	2.05E+00	6.20E+00	pCi/L	U
1154	590547004	8/29/2022	Silver-110m	-2.77E+00	1.84E+00	4.75E+00	pCi/L	U
1154	594423003	9/26/2022	Silver-110m	1.25E+00	1.48E+00	5.25E+00	pCi/L	U
1154	597936004	10/24/2022	Silver-110m	1.01E+00	1.48E+00	5.21E+00	pCi/L	U
1154	601450003	11/21/2022	Silver-110m	-4.59E-01	1.66E+00	5.10E+00	pCi/L	U
1154	604619004	12/19/2022	Silver-110m	-1.80E+00	2.14E+00	5.61E+00	pCi/L	U
1154	567643004	1/18/2022	Tellurium-132	4.00E+00	7.36E+00	1.23E+01	pCi/L	U
1154	570264006	2/14/2022	Tellurium-132	2.60E+00	3.05E+00	9.81E+00	pCi/L	U
1154	573043004	3/14/2022	Tellurium-132	8.54E-01	1.04E+01	3.27E+01	pCi/L	U
1154	576091004	4/11/2022	Tellurium-132	4.63E+00	6.31E+00	2.04E+01	pCi/L	U
1154	579261003	5/9/2022	Tellurium-132	1.93E+00	4.95E+00	1.68E+01	pCi/L	U
1154	581945004	6/6/2022	Tellurium-132	1.16E+00	3.31E+00	1.12E+01	pCi/L	U
1154	584821004	7/4/2022	Tellurium-132	-6.79E+00	8.37E+00	2.53E+01	pCi/L	U
1154	587888004	8/1/2022	Tellurium-132	1.52E+00	1.22E+01	4.08E+01	pCi/L	U
1154	590547004	8/29/2022	Tellurium-132	1.31E+00	2.87E+00	9.72E+00	pCi/L	U
1154	594423003	9/26/2022	Tellurium-132	1.27E+00	1.83E+00	6.11E+00	pCi/L	U
1154	597936004	10/24/2022	Tellurium-132	-6.46E-01	2.24E+00	7.62E+00	pCi/L	U
1154	601450003	11/21/2022	Tellurium-132	1.72E-01	7.96E+00	2.73E+01	pCi/L	U
1154	604619004	12/19/2022	Tellurium-132	-7.17E+00	1.02E+01	3.35E+01	pCi/L	U
1154	567643004	1/18/2022	Thallium-208	-1.60E+00	1.12E+00	3.01E+00	pCi/L	U
1154	570264006	2/14/2022	Thallium-208	2.40E+00	7.75E-01	1.77E+00	pCi/L	UI
1154	573043004	3/14/2022	Thallium-208	8.78E-02	1.44E+00	2.36E+00	pCi/L	U
1154	576091004	4/11/2022	Thallium-208	-6.34E-01	1.48E+00	4.39E+00	pCi/L	U
1154	579261003	5/9/2022	Thallium-208	-1.40E+00	1.63E+00	4.35E+00	pCi/L	U
1154	581945004	6/6/2022	Thallium-208	-2.81E+00	1.62E+00	4.84E+00	pCi/L	U
1154	584821004	7/4/2022	Thallium-208	7.69E-01	1.38E+00	4.37E+00	pCi/L	U
1154	587888004	8/1/2022	Thallium-208	-3.92E-01	1.57E+00	4.85E+00	pCi/L	U
1154	590547004	8/29/2022	Thallium-208	-6.71E-01	1.58E+00	4.89E+00	pCi/L	U
1154	594423003	9/26/2022	Thallium-208	-9.30E-01	1.24E+00	3.81E+00	pCi/L	U
1154	597936004	10/24/2022	Thallium-208	6.35E+00	2.35E+00	2.99E+00	pCi/L	UI
1154	601450003	11/21/2022	Thallium-208	7.59E-01	1.34E+00	4.43E+00	pCi/L	U
1154	604619004	12/19/2022	Thallium-208	3.95E-01	1.64E+00	5.26E+00	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	567643004	1/18/2022	Thorium-228	3.18E+00	3.14E+00	4.34E+00	pCi/L	U
1154	570264006	2/14/2022	Thorium-228	2.95E+00	2.10E+00	2.97E+00	pCi/L	U
1154	573043004	3/14/2022	Thorium-228	3.68E-01	3.26E+00	7.42E+00	pCi/L	U
1154	576091004	4/11/2022	Thorium-228	-2.11E+00	2.70E+00	8.28E+00	pCi/L	U
1154	579261003	5/9/2022	Thorium-228	-8.27E-01	2.34E+00	6.41E+00	pCi/L	U
1154	581945004	6/6/2022	Thorium-228	9.31E+00	5.08E+00	1.07E+01	pCi/L	U
1154	584821004	7/4/2022	Thorium-228	3.30E+00	3.53E+00	8.42E+00	pCi/L	U
1154	587888004	8/1/2022	Thorium-228	6.12E+00	3.63E+00	1.04E+01	pCi/L	U
1154	590547004	8/29/2022	Thorium-228	9.37E-01	3.09E+00	9.93E+00	pCi/L	U
1154	594423003	9/26/2022	Thorium-228	-4.64E+00	2.42E+00	7.63E+00	pCi/L	U
1154	597936004	10/24/2022	Thorium-228	1.01E+00	2.43E+00	7.85E+00	pCi/L	U
1154	601450003	11/21/2022	Thorium-228	7.67E+00	4.38E+00	9.55E+00	pCi/L	U
1154	604619004	12/19/2022	Thorium-228	5.78E+00	4.60E+00	7.89E+00	pCi/L	U
1154	567643004	1/18/2022	Thorium-230	-5.90E+02	3.27E+02	9.32E+02	pCi/L	U
1154	570264006	2/14/2022	Thorium-230	1.44E+03	3.68E+02	6.44E+02	pCi/L	UI
1154	573043004	3/14/2022	Thorium-230	5.23E+02	8.74E+02	1.40E+03	pCi/L	U
1154	576091004	4/11/2022	Thorium-230	3.20E+03	9.60E+02	1.61E+03	pCi/L	UI
1154	579261003	5/9/2022	Thorium-230	1.95E+02	3.07E+02	4.97E+02	pCi/L	U
1154	581945004	6/6/2022	Thorium-230	2.10E+03	7.67E+02	1.90E+03	pCi/L	UI
1154	584821004	7/4/2022	Thorium-230	-9.78E+02	4.68E+02	1.39E+03	pCi/L	U
1154	587888004	8/1/2022	Thorium-230	5.16E+01	6.76E+02	2.16E+03	pCi/L	U
1154	590547004	8/29/2022	Thorium-230	-1.34E+02	7.26E+02	2.27E+03	pCi/L	U
1154	594423003	9/26/2022	Thorium-230	2.21E+03	1.06E+03	1.64E+03	pCi/L	U
1154	597936004	10/24/2022	Thorium-230	8.75E+01	5.04E+02	1.67E+03	pCi/L	U
1154	601450003	11/21/2022	Thorium-230	2.07E+03	9.72E+02	1.78E+03	pCi/L	UI
1154	604619004	12/19/2022	Thorium-230	1.45E+03	1.01E+03	2.04E+03	pCi/L	U
1154	567643004	1/18/2022	Thorium-232	1.51E+03	9.11E+02	1.43E+03	pCi/L	UI
1154	570264006	2/14/2022	Thorium-232	9.67E+02	7.02E+02	1.08E+03	pCi/L	U
1154	573043004	3/14/2022	Thorium-232	3.99E+02	1.35E+03	2.38E+03	pCi/L	U
1154	576091004	4/11/2022	Thorium-232	5.06E+02	1.55E+03	3.23E+03	pCi/L	U
1154	579261003	5/9/2022	Thorium-232	2.97E+02	4.08E+02	7.41E+02	pCi/L	U
1154	581945004	6/6/2022	Thorium-232	-2.26E+03	1.39E+03	3.76E+03	pCi/L	U
1154	584821004	7/4/2022	Thorium-232	-9.26E+02	8.46E+02	2.79E+03	pCi/L	U
1154	587888004	8/1/2022	Thorium-232	1.04E+03	1.95E+03	3.77E+03	pCi/L	U
1154	590547004	8/29/2022	Thorium-232	-1.78E+03	1.71E+03	5.14E+03	pCi/L	U
1154	594423003	9/26/2022	Thorium-232	-1.24E+02	1.13E+03	3.44E+03	pCi/L	U
1154	597936004	10/24/2022	Thorium-232	-3.08E+03	1.25E+03	3.81E+03	pCi/L	U
1154	601450003	11/21/2022	Thorium-232	8.19E+02	1.31E+03	4.59E+03	pCi/L	U
1154	604619004	12/19/2022	Thorium-232	-2.75E+03	1.46E+03	4.81E+03	pCi/L	U
1154	567643004	1/18/2022	Thorium-234	1.06E+02	6.40E+01	1.41E+02	pCi/L	U
1154	570264006	2/14/2022	Thorium-234	6.79E+01	4.93E+01	7.75E+01	pCi/L	U
1154	573043004	3/14/2022	Thorium-234	2.81E+01	9.48E+01	1.77E+02	pCi/L	U
1154	576091004	4/11/2022	Thorium-234	3.55E+01	1.09E+02	2.61E+02	pCi/L	U
1154	579261003	5/9/2022	Thorium-234	2.09E+01	2.86E+01	5.22E+01	pCi/L	U
1154	581945004	6/6/2022	Thorium-234	-9.40E+01	1.01E+02	2.86E+02	pCi/L	U
1154	584821004	7/4/2022	Thorium-234	-1.00E+02	6.21E+01	2.00E+02	pCi/L	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1154	587888004	8/1/2022	Thorium-234	7.34E+01	1.37E+02	2.73E+02	pCi/L	U
1154	590547004	8/29/2022	Thorium-234	-1.36E+02	1.25E+02	3.77E+02	pCi/L	U
1154	594423003	9/26/2022	Thorium-234	-4.24E+01	8.04E+01	2.40E+02	pCi/L	U
1154	597936004	10/24/2022	Thorium-234	-2.71E+02	9.02E+01	2.71E+02	pCi/L	U
1154	601450003	11/21/2022	Thorium-234	-6.56E+00	9.23E+01	3.18E+02	pCi/L	U
1154	604619004	12/19/2022	Thorium-234	-1.77E+02	1.06E+02	3.52E+02	pCi/L	U
1154	576887004	3/14/2022	Tritium	-2.10E+01	2.28E+02	7.52E+02	pCi/L	U
1154	585634004	6/6/2022	Tritium	1.11E+02	2.05E+02	6.58E+02	pCi/L	U
1154	600026003	9/26/2022	Tritium	2.35E+02	2.17E+02	6.92E+02	pCi/L	U
1154	609577004	12/19/2022	Tritium	4.86E+01	2.40E+02	7.86E+02	pCi/L	U
1154	567643004	1/18/2022	Uranium-234	-3.51E+02	1.58E+03	5.31E+03	pCi/L	U
1154	570264006	2/14/2022	Uranium-234	1.85E+03	2.10E+03	4.32E+03	pCi/L	U
1154	573043004	3/14/2022	Uranium-234	3.03E+03	3.07E+03	1.08E+04	pCi/L	U
1154	576091004	4/11/2022	Uranium-234	2.26E+03	5.13E+03	1.75E+04	pCi/L	U
1154	579261003	5/9/2022	Uranium-234	-5.49E+01	5.50E+02	1.75E+03	pCi/L	U
1154	581945004	6/6/2022	Uranium-234	7.75E+03	5.13E+03	1.77E+04	pCi/L	U
1154	584821004	7/4/2022	Uranium-234	2.09E+03	2.87E+03	9.96E+03	pCi/L	U
1154	587888004	8/1/2022	Uranium-234	1.41E+04	9.70E+03	1.61E+04	pCi/L	U
1154	590547004	8/29/2022	Uranium-234	6.05E+03	7.50E+03	2.43E+04	pCi/L	U
1154	594423003	9/26/2022	Uranium-234	8.92E+03	4.07E+03	1.08E+04	pCi/L	U
1154	597936004	10/24/2022	Uranium-234	5.65E+03	3.62E+03	1.27E+04	pCi/L	U
1154	601450003	11/21/2022	Uranium-234	7.20E+03	4.85E+03	1.71E+04	pCi/L	U
1154	604619004	12/19/2022	Uranium-234	1.56E+04	1.07E+04	1.50E+04	pCi/L	UI
1154	567643004	1/18/2022	Zinc-65	4.16E-01	1.75E+00	5.91E+00	pCi/L	U
1154	570264006	2/14/2022	Zinc-65	1.09E+00	1.10E+00	3.49E+00	pCi/L	U
1154	573043004	3/14/2022	Zinc-65	-7.95E-01	1.99E+00	6.41E+00	pCi/L	U
1154	576091004	4/11/2022	Zinc-65	-3.36E-01	1.74E+00	5.78E+00	pCi/L	U
1154	579261003	5/9/2022	Zinc-65	1.23E+00	2.05E+00	7.07E+00	pCi/L	U
1154	581945004	6/6/2022	Zinc-65	1.44E+00	2.62E+00	9.00E+00	pCi/L	U
1154	584821004	7/4/2022	Zinc-65	-1.53E+00	2.37E+00	6.34E+00	pCi/L	U
1154	587888004	8/1/2022	Zinc-65	-4.41E+00	2.80E+00	7.09E+00	pCi/L	U
1154	590547004	8/29/2022	Zinc-65	-6.75E-01	2.79E+00	8.74E+00	pCi/L	U
1154	594423003	9/26/2022	Zinc-65	8.72E-01	1.85E+00	5.84E+00	pCi/L	U
1154	597936004	10/24/2022	Zinc-65	3.21E+00	1.96E+00	5.54E+00	pCi/L	U
1154	601450003	11/21/2022	Zinc-65	-4.83E+00	2.29E+00	5.63E+00	pCi/L	U
1154	604619004	12/19/2022	Zinc-65	6.26E-01	2.98E+00	9.97E+00	pCi/L	U
1154	567643004	1/18/2022	Zirconium-95	5.30E-01	1.20E+00	4.00E+00	pCi/L	U
1154	570264006	2/14/2022	Zirconium-95	1.13E+00	9.51E-01	3.24E+00	pCi/L	U
1154	573043004	3/14/2022	Zirconium-95	-2.84E-02	1.92E+00	6.19E+00	pCi/L	U
1154	576091004	4/11/2022	Zirconium-95	1.67E-01	1.50E+00	4.88E+00	pCi/L	U
1154	579261003	5/9/2022	Zirconium-95	5.14E-01	1.78E+00	6.14E+00	pCi/L	U
1154	581945004	6/6/2022	Zirconium-95	8.71E-01	1.88E+00	6.55E+00	pCi/L	U
1154	584821004	7/4/2022	Zirconium-95	6.26E-01	2.07E+00	6.91E+00	pCi/L	U
1154	587888004	8/1/2022	Zirconium-95	1.14E+00	2.56E+00	8.82E+00	pCi/L	U
1154	590547004	8/29/2022	Zirconium-95	-2.30E-01	2.28E+00	7.49E+00	pCi/L	U
1154	594423003	9/26/2022	Zirconium-95	2.09E+00	1.96E+00	7.08E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1160	575130002	4/7/2022	Actinium-228	9.26E+02	9.89E+01	1.24E+02	pCi/kg	
1160	575130002	4/7/2022	Americium-241	2.65E+00	3.30E+01	1.05E+02	pCi/kg	U
1160	596160002	10/10/2022	Americium-241	1.24E+01	8.03E+01	2.63E+02	pCi/kg	U
1160	575130002	4/7/2022	Antimony-124	6.04E-01	2.67E+01	8.85E+01	pCi/kg	U
1160	596160002	10/10/2022	Antimony-124	-3.90E+01	2.97E+01	5.80E+01	pCi/kg	U
1160	575130002	4/7/2022	Antimony-125	4.53E+01	2.60E+01	9.32E+01	pCi/kg	U
1160	596160002	10/10/2022	Antimony-125	-2.90E+01	3.27E+01	1.05E+02	pCi/kg	U
1160	575130002	4/7/2022	Barium-140	1.87E+02	1.10E+02	4.14E+02	pCi/kg	U
1160	596160002	10/10/2022	Barium-140	1.74E+02	1.73E+02	6.40E+02	pCi/kg	U
1160	575130002	4/7/2022	Beryllium-7	-3.56E+01	9.58E+01	3.34E+02	pCi/kg	U
1160	596160002	10/10/2022	Beryllium-7	-3.62E+01	1.45E+02	4.22E+02	pCi/kg	U
1160	575130002	4/7/2022	Bismuth-214	7.96E+02	5.94E+01	6.13E+01	pCi/kg	
1160	596160002	10/10/2022	Bismuth-214	9.20E+02	7.59E+01	7.78E+01	pCi/kg	
1160	575130002	4/7/2022	Cerium-141	4.16E+01	2.47E+01	8.42E+01	pCi/kg	U
1160	596160002	10/10/2022	Cerium-141	-7.89E+01	3.16E+01	9.42E+01	pCi/kg	U
1160	575130002	4/7/2022	Cerium-144	-3.68E+01	5.58E+01	2.00E+02	pCi/kg	U
1160	596160002	10/10/2022	Cerium-144	1.01E+02	7.46E+01	2.60E+02	pCi/kg	U
1160	575130002	4/7/2022	Cesium-134	7.26E+01	2.24E+01	5.24E+01	pCi/kg	UI
1160	596160002	10/10/2022	Cesium-134	5.83E+01	2.16E+01	5.63E+01	pCi/kg	MUI
1160	575130002	4/7/2022	Cesium-137	-1.07E+00	1.02E+01	3.47E+01	pCi/kg	U
1160	596160002	10/10/2022	Cesium-137	-1.58E+01	1.20E+01	3.87E+01	pCi/kg	U
1160	575130002	4/7/2022	Chromium-51	-1.27E+02	1.42E+02	4.68E+02	pCi/kg	U
1160	596160002	10/10/2022	Chromium-51	8.77E+00	1.87E+02	6.46E+02	pCi/kg	U
1160	575130002	4/7/2022	Cobalt-57	1.44E+00	7.09E+00	2.60E+01	pCi/kg	U
1160	596160002	10/3/2022	Cobalt-57	7.84E+00	8.35E+00	3.18E+01	pCi/kg	U
1160	575130002	4/7/2022	Cobalt-58	1.67E+00	1.17E+01	3.99E+01	pCi/kg	U
1160	596160002	10/10/2022	Cobalt-58	-9.38E+00	1.52E+01	4.26E+01	pCi/kg	U
1160	575130002	4/7/2022	Cobalt-60	9.57E+00	1.01E+01	3.67E+01	pCi/kg	U
1160	596160002	10/10/2022	Cobalt-60	-1.82E+01	1.27E+01	3.79E+01	pCi/kg	U
1160	575130002	4/7/2022	Iodine-131	1.49E+02	7.21E+01	2.64E+02	pCi/kg	U
1160	596160002	10/10/2022	Iodine-131	6.13E+01	1.16E+02	4.06E+02	pCi/kg	U
1160	575130002	4/7/2022	Iron-59	-2.86E+01	2.70E+01	8.11E+01	pCi/kg	U
1160	596160002	10/10/2022	Iron-59	-1.23E+01	3.63E+01	1.16E+02	pCi/kg	U
1160	575130002	4/7/2022	Lanthanum-140	-1.36E+01	4.24E+01	1.37E+02	pCi/kg	U
1160	596160002	10/10/2022	Lanthanum-140	-5.03E+01	7.24E+01	2.28E+02	pCi/kg	U
1160	575130002	4/7/2022	Lead-210	8.54E+02	1.24E+03	1.51E+03	pCi/kg	U
1160	596160002	10/10/2022	Lead-210	9.03E+02	2.54E+03	9.21E+03	pCi/kg	U
1160	575130002	4/7/2022	Lead-212	1.09E+03	4.36E+01	5.64E+01	pCi/kg	
1160	596160002	10/10/2022	Lead-212	1.34E+03	5.82E+01	6.60E+01	pCi/kg	
1160	575130002	4/7/2022	Lead-214	1.23E+03	7.27E+01	2.06E+02	pCi/kg	UI
1160	596160002	10/10/2022	Lead-214	1.22E+03	8.18E+01	8.37E+01	pCi/kg	
1160	575130002	4/7/2022	Manganese-54	-3.61E+00	1.09E+01	3.58E+01	pCi/kg	U
1160	596160002	10/10/2022	Manganese-54	-1.29E+01	1.25E+01	3.95E+01	pCi/kg	U
1160	575130002	4/7/2022	Molybdenum-99	3.81E+04	3.89E+04	1.39E+05	pCi/kg	U
1160	596160002	10/10/2022	Molybdenum-99	1.95E+04	1.05E+05	0.00E+00	pCi/kg	UI
1160	575130002	4/7/2022	Niobium-95	-6.43E+00	1.50E+01	4.31E+01	pCi/kg	U

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1160	596160002	10/10/2022	Niobium-95	-3.20E+01	1.93E+01	5.81E+01	pCi/kg	U
1160	575130002	4/7/2022	Potassium-40	4.73E+03	3.30E+02	3.37E+02	pCi/kg	
1160	596160002	10/10/2022	Potassium-40	5.11E+03	3.92E+02	3.75E+02	pCi/kg	
1160	575130002	4/7/2022	Radium-226	7.96E+02	5.94E+01	6.13E+01	pCi/kg	
1160	596160002	10/10/2022	Radium-226	1.22E+03	8.18E+01	8.37E+01	pCi/kg	
1160	575130002	4/7/2022	Radium-228	9.26E+02	9.89E+01	1.24E+02	pCi/kg	
1160	596160002	10/10/2022	Radium-228	1.37E+03	1.35E+02	1.16E+02	pCi/kg	
1160	575130002	4/7/2022	Ruthenium-103	-5.21E+00	1.26E+01	4.36E+01	pCi/kg	U
1160	596160002	10/10/2022	Ruthenium-103	1.24E+00	1.63E+01	5.81E+01	pCi/kg	U
1160	575130002	4/7/2022	Ruthenium-106	-7.00E+01	8.83E+01	2.88E+02	pCi/kg	U
1160	596160002	10/10/2022	Ruthenium-106	-5.75E+00	1.05E+02	3.66E+02	pCi/kg	U
1160	575130002	4/7/2022	Selenium-75	-1.55E+01	1.32E+01	4.38E+01	pCi/kg	U
1160	596160002	10/10/2022	Selenium-75	1.79E+00	1.56E+01	5.51E+01	pCi/kg	U
1160	575130002	4/7/2022	Silver-108m	1.44E+00	8.11E+00	2.72E+01	pCi/kg	U
1160	596160002	10/10/2022	Silver-108m	-7.57E+00	9.97E+00	3.22E+01	pCi/kg	U
1160	575130002	4/7/2022	Silver-110m	-6.51E+00	1.43E+01	4.66E+01	pCi/kg	U
1160	596160002	10/10/2022	Silver-110m	3.30E+01	1.85E+01	6.84E+01	pCi/kg	U
1160	575130002	4/7/2022	Tellurium-132	9.03E+01	1.65E+03	5.79E+03	pCi/kg	U
1160	596160002	10/10/2022	Tellurium-132	-1.10E+03	3.97E+03	1.40E+04	pCi/kg	U
1160	575130002	4/7/2022	Thallium-208	2.50E+02	2.69E+01	3.41E+01	pCi/kg	
1160	596160002	10/10/2022	Thallium-208	4.05E+02	3.89E+01	4.22E+01	pCi/kg	
1160	575130002	4/7/2022	Thorium-228	1.09E+03	4.36E+01	5.64E+01	pCi/kg	
1160	596160002	10/10/2022	Thorium-228	1.34E+03	5.82E+01	6.60E+01	pCi/kg	
1160	575130002	4/7/2022	Thorium-230	7.96E+02	5.94E+01	6.13E+01	pCi/kg	
1160	596160002	10/10/2022	Thorium-230	1.22E+03	8.18E+01	8.37E+01	pCi/kg	
1160	575130002	4/7/2022	Thorium-232	9.26E+02	9.89E+01	1.24E+02	pCi/kg	
1160	596160002	10/10/2022	Thorium-232	1.37E+03	1.35E+02	1.16E+02	pCi/kg	
1160	575130002	4/7/2022	Thorium-234	1.72E+03	8.07E+02	9.82E+02	pCi/kg	UI
1160	596160002	10/10/2022	Thorium-234	1.83E+03	1.50E+03	2.15E+03	pCi/kg	U
1160	575130002	4/7/2022	Uranium-234	7.96E+02	5.94E+01	6.13E+01	pCi/kg	
1160	596160002	10/10/2022	Uranium-234	1.22E+03	8.18E+01	8.37E+01	pCi/kg	
1160	575130002	4/7/2022	Zinc-65	4.84E+01	2.64E+01	8.77E+01	pCi/kg	U
1160	596160002	10/10/2022	Zinc-65	3.11E+01	2.48E+01	8.19E+01	pCi/kg	U
1160	575130002	4/7/2022	Zirconium-95	3.54E+00	2.47E+01	8.29E+01	pCi/kg	U
1160	596160002	10/10/2022	Zirconium-95	2.37E+00	3.05E+01	1.05E+02	pCi/kg	U
1161	575130003	4/7/2022	Actinium-228	2.90E+02	4.19E+01	6.07E+01	pCi/kg	
1161	596160003	10/10/2022	Actinium-228	1.62E+02	3.97E+01	1.48E+02	pCi/kg	UI
1161	575130003	4/7/2022	Americium-241	1.59E+01	2.72E+01	9.89E+01	pCi/kg	U
1161	596160003	10/10/2022	Americium-241	1.40E+01	2.62E+01	1.04E+02	pCi/kg	U
1161	575130003	4/7/2022	Antimony-124	-1.80E+01	1.80E+01	4.91E+01	pCi/kg	U
1161	596160003	10/10/2022	Antimony-124	-1.72E+01	2.42E+01	7.36E+01	pCi/kg	U
1161	575130003	4/7/2022	Antimony-125	5.23E+00	1.58E+01	5.75E+01	pCi/kg	U
1161	596160003	10/10/2022	Antimony-125	3.45E+01	2.41E+01	5.70E+01	pCi/kg	U
1161	575130003	4/7/2022	Barium-140	2.33E+01	7.80E+01	2.78E+02	pCi/kg	U
1161	596160003	10/10/2022	Barium-140	-2.32E+01	9.03E+01	3.04E+02	pCi/kg	U
1161	575130003	4/7/2022	Beryllium-7	-3.16E+01	6.21E+01	2.11E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1161	596160003	10/10/2022	Beryllium-7	1.18E+02	7.39E+01	2.87E+02	pCi/kg	U
1161	575130003	4/7/2022	Bismuth-214	2.80E+02	3.63E+01	4.14E+01	pCi/kg	
1161	596160003	10/10/2022	Bismuth-214	1.64E+02	4.08E+01	4.54E+01	pCi/kg	
1161	575130003	4/7/2022	Cerium-141	-2.56E-01	1.39E+01	4.85E+01	pCi/kg	U
1161	596160003	10/10/2022	Cerium-141	-2.01E+01	1.56E+01	4.97E+01	pCi/kg	U
1161	575130003	4/7/2022	Cerium-144	-1.14E+01	3.28E+01	1.15E+02	pCi/kg	U
1161	596160003	10/10/2022	Cerium-144	-2.40E+01	3.20E+01	1.11E+02	pCi/kg	U
1161	575130003	4/7/2022	Cesium-134	-4.35E+00	6.99E+00	2.06E+01	pCi/kg	U
1161	596160003	10/10/2022	Cesium-134	1.05E+01	9.63E+00	3.01E+01	pCi/kg	U
1161	575130003	4/7/2022	Cesium-137	3.57E+00	1.53E+01	2.45E+01	pCi/kg	U
1161	596160003	10/10/2022	Cesium-137	1.62E+00	5.89E+00	2.04E+01	pCi/kg	U
1161	575130003	4/7/2022	Chromium-51	2.14E+01	8.55E+01	3.17E+02	pCi/kg	U
1161	596160003	10/10/2022	Chromium-51	1.42E+01	8.72E+01	3.22E+02	pCi/kg	U
1161	575130003	4/7/2022	Cobalt-57	-5.52E+00	4.59E+00	1.42E+01	pCi/kg	U
1161	596160003	10/10/2022	Cobalt-57	3.55E-01	4.05E+00	1.48E+01	pCi/kg	U
1161	575130003	4/7/2022	Cobalt-58	2.19E+00	8.04E+00	2.74E+01	pCi/kg	U
1161	596160003	10/10/2022	Cobalt-58	1.92E+00	7.75E+00	2.79E+01	pCi/kg	U
1161	575130003	4/7/2022	Cobalt-60	1.29E+01	5.96E+00	2.52E+01	pCi/kg	U
1161	596160003	10/10/2022	Cobalt-60	0.00E+00	8.53E+00	2.82E+01	pCi/kg	U
1161	575130003	4/7/2022	Iodine-131	9.99E+01	4.36E+01	1.78E+02	pCi/kg	U
1161	596160003	10/10/2022	Iodine-131	5.57E+00	5.95E+01	2.16E+02	pCi/kg	U
1161	575130003	4/7/2022	Iron-59	2.44E+01	1.61E+01	6.35E+01	pCi/kg	U
1161	596160003	10/10/2022	Iron-59	-1.86E+01	1.58E+01	4.36E+01	pCi/kg	U
1161	575130003	4/7/2022	Lanthanum-140	-8.19E+00	3.09E+01	9.86E+01	pCi/kg	U
1161	596160003	10/10/2022	Lanthanum-140	1.17E+01	4.52E+01	1.58E+02	pCi/kg	U
1161	575130003	4/7/2022	Lead-210	-1.83E+02	7.28E+02	2.66E+03	pCi/kg	U
1161	596160003	10/10/2022	Lead-210	6.45E+02	7.68E+02	3.14E+03	pCi/kg	U
1161	575130003	4/7/2022	Lead-212	2.13E+02	2.46E+01	3.21E+01	pCi/kg	
1161	596160003	10/10/2022	Lead-212	1.41E+02	3.57E+01	4.21E+01	pCi/kg	
1161	575130003	4/7/2022	Lead-214	2.41E+02	4.16E+01	4.57E+01	pCi/kg	
1161	596160003	10/10/2022	Lead-214	2.60E+02	3.68E+01	4.04E+01	pCi/kg	
1161	575130003	4/7/2022	Manganese-54	3.83E+00	6.09E+00	2.15E+01	pCi/kg	U
1161	596160003	10/10/2022	Manganese-54	7.58E+00	7.09E+00	2.71E+01	pCi/kg	U
1161	575130003	4/7/2022	Molybdenum-99	5.93E+04	2.57E+04	7.41E+04	pCi/kg	U
1161	596160003	10/10/2022	Molybdenum-99	-4.73E+04	6.31E+04	0.00E+00	pCi/kg	U
1161	575130003	4/7/2022	Niobium-95	1.63E+00	8.17E+00	2.78E+01	pCi/kg	U
1161	596160003	10/10/2022	Niobium-95	-9.74E+00	8.04E+00	2.24E+01	pCi/kg	U
1161	575130003	4/7/2022	Potassium-40	2.26E+02	1.11E+02	2.40E+02	pCi/kg	U
1161	596160003	10/10/2022	Potassium-40	2.26E+02	1.29E+02	2.22E+02	pCi/kg	UI
1161	575130003	4/7/2022	Radium-226	2.80E+02	3.63E+01	4.14E+01	pCi/kg	
1161	596160003	10/10/2022	Radium-226	2.60E+02	3.68E+01	4.04E+01	pCi/kg	
1161	575130003	4/7/2022	Radium-228	2.90E+02	4.19E+01	6.07E+01	pCi/kg	
1161	596160003	10/10/2022	Radium-228	1.62E+02	3.97E+01	1.48E+02	pCi/kg	UI
1161	575130003	4/7/2022	Ruthenium-103	1.95E+01	9.33E+00	3.45E+01	pCi/kg	U
1161	596160003	10/10/2022	Ruthenium-103	-1.28E+01	8.94E+00	2.71E+01	pCi/kg	U
1161	575130003	4/7/2022	Ruthenium-106	1.13E+02	8.94E+01	1.88E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1161	596160003	10/10/2022	Ruthenium-106	-3.01E+01	6.35E+01	2.06E+02	pCi/kg	U
1161	575130003	4/7/2022	Selenium-75	-6.07E+00	8.52E+00	2.74E+01	pCi/kg	U
1161	596160003	10/10/2022	Selenium-75	4.64E+00	9.21E+00	3.20E+01	pCi/kg	U
1161	575130003	4/7/2022	Silver-108m	2.66E+00	4.83E+00	1.78E+01	pCi/kg	U
1161	596160003	10/10/2022	Silver-108m	6.69E+00	4.72E+00	1.86E+01	pCi/kg	U
1161	575130003	4/7/2022	Silver-110m	1.63E+01	8.03E+00	3.07E+01	pCi/kg	U
1161	596160003	10/10/2022	Silver-110m	2.89E-01	9.83E+00	3.43E+01	pCi/kg	U
1161	575130003	4/7/2022	Tellurium-132	7.88E+02	1.10E+03	3.90E+03	pCi/kg	U
1161	596160003	10/10/2022	Tellurium-132	4.04E+03	2.10E+03	7.96E+03	pCi/kg	U
1161	575130003	4/7/2022	Thallium-208	5.42E+01	1.77E+01	1.93E+01	pCi/kg	U
1161	596160003	10/10/2022	Thallium-208	3.89E+01	1.34E+01	2.04E+01	pCi/kg	U
1161	575130003	4/7/2022	Thorium-228	2.13E+02	2.46E+01	3.21E+01	pCi/kg	U
1161	596160003	10/10/2022	Thorium-228	1.41E+02	3.57E+01	4.21E+01	pCi/kg	U
1161	575130003	4/7/2022	Thorium-230	2.80E+02	3.63E+01	4.14E+01	pCi/kg	U
1161	596160003	10/10/2022	Thorium-230	2.60E+02	3.68E+01	4.04E+01	pCi/kg	U
1161	575130003	4/7/2022	Thorium-232	2.90E+02	4.19E+01	6.07E+01	pCi/kg	U
1161	596160003	10/10/2022	Thorium-232	1.62E+02	3.97E+01	1.48E+02	pCi/kg	UI
1161	575130003	4/7/2022	Thorium-234	6.87E+02	5.97E+02	7.80E+02	pCi/kg	U
1161	596160003	10/10/2022	Thorium-234	-2.14E+02	2.52E+02	9.04E+02	pCi/kg	U
1161	575130003	4/7/2022	Uranium-234	2.80E+02	3.63E+01	4.14E+01	pCi/kg	U
1161	596160003	10/10/2022	Uranium-234	2.60E+02	3.68E+01	4.04E+01	pCi/kg	U
1161	575130003	4/7/2022	Zinc-65	2.62E+01	1.41E+01	5.36E+01	pCi/kg	U
1161	596160003	10/10/2022	Zinc-65	-2.31E+00	1.64E+01	4.75E+01	pCi/kg	U
1161	575130003	4/7/2022	Zirconium-95	-2.03E+01	1.47E+01	4.28E+01	pCi/kg	U
1161	596160003	10/10/2022	Zirconium-95	-1.72E+01	1.80E+01	5.36E+01	pCi/kg	U
1162	575130001	4/7/2022	Actinium-228	8.57E+02	9.30E+01	8.05E+01	pCi/kg	U
1162	596160001	10/10/2022	Actinium-228	4.28E+02	8.18E+01	1.08E+02	pCi/kg	U
1162	575130001	4/7/2022	Americium-241	1.56E+01	4.00E+01	1.39E+02	pCi/kg	U
1162	596160001	10/10/2022	Americium-241	2.28E+01	5.16E+01	1.81E+02	pCi/kg	U
1162	575130001	4/7/2022	Antimony-124	2.68E+01	1.98E+01	7.79E+01	pCi/kg	U
1162	596160001	10/10/2022	Antimony-124	1.22E+00	2.99E+01	1.02E+02	pCi/kg	U
1162	575130001	4/7/2022	Antimony-125	-1.41E+01	2.37E+01	8.16E+01	pCi/kg	U
1162	596160001	10/10/2022	Antimony-125	-3.91E+00	2.38E+01	8.21E+01	pCi/kg	U
1162	575130001	4/7/2022	Barium-140	2.17E+02	1.23E+02	4.31E+02	pCi/kg	U
1162	596160001	10/10/2022	Barium-140	-1.17E+02	1.47E+02	4.11E+02	pCi/kg	U
1162	575130001	4/7/2022	Beryllium-7	5.46E+01	9.85E+01	3.54E+02	pCi/kg	U
1162	596160001	10/10/2022	Beryllium-7	1.16E+02	1.01E+02	3.69E+02	pCi/kg	U
1162	575130001	4/7/2022	Bismuth-214	8.02E+02	6.00E+01	6.37E+01	pCi/kg	U
1162	596160001	10/10/2022	Bismuth-214	4.80E+02	4.57E+01	5.87E+01	pCi/kg	U
1162	575130001	4/7/2022	Cerium-141	7.82E+01	5.38E+01	6.72E+01	pCi/kg	UI
1162	596160001	10/10/2022	Cerium-141	-1.03E+01	2.26E+01	7.72E+01	pCi/kg	U
1162	575130001	4/7/2022	Cerium-144	1.48E+01	5.65E+01	1.85E+02	pCi/kg	U
1162	596160001	10/10/2022	Cerium-144	4.55E+00	5.23E+01	1.83E+02	pCi/kg	U
1162	575130001	4/7/2022	Cesium-134	2.45E+01	1.80E+01	4.49E+01	pCi/kg	U
1162	596160001	10/10/2022	Cesium-134	1.70E+01	9.96E+00	3.88E+01	pCi/kg	U
1162	575130001	4/7/2022	Cesium-137	3.44E+00	1.00E+01	3.46E+01	pCi/kg	U

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
1162	596160001	10/10/2022	Cesium-137	5.85E+01	2.74E+01	3.05E+01	pCi/kg	M
1162	575130001	4/7/2022	Chromium-51	-1.36E+01	1.19E+02	4.27E+02	pCi/kg	U
1162	596160001	10/10/2022	Chromium-51	5.14E+01	1.34E+02	4.90E+02	pCi/kg	U
1162	575130001	4/7/2022	Cobalt-57	-7.06E-01	6.46E+00	2.28E+01	pCi/kg	U
1162	596160001	10/10/2022	Cobalt-57	-1.00E+00	6.50E+00	2.28E+01	pCi/kg	U
1162	575130001	4/7/2022	Cobalt-58	3.10E+00	1.10E+01	3.74E+01	pCi/kg	U
1162	596160001	10/10/2022	Cobalt-58	-2.60E+00	1.01E+01	3.48E+01	pCi/kg	U
1162	575130001	4/7/2022	Cobalt-60	1.90E+00	7.69E+00	2.68E+01	pCi/kg	U
1162	596160001	10/10/2022	Cobalt-60	-5.60E+00	8.49E+00	2.55E+01	pCi/kg	U
1162	575130001	4/7/2022	Iodine-131	1.02E+02	6.82E+01	2.59E+02	pCi/kg	U
1162	596160001	10/10/2022	Iodine-131	-1.38E+00	8.99E+01	3.18E+02	pCi/kg	U
1162	575130001	4/7/2022	Iron-59	-3.50E+00	2.24E+01	7.65E+01	pCi/kg	U
1162	596160001	10/10/2022	Iron-59	3.71E+01	2.39E+01	9.22E+01	pCi/kg	U
1162	575130001	4/7/2022	Lanthanum-140	-3.61E+01	4.33E+01	1.31E+02	pCi/kg	U
1162	596160001	10/10/2022	Lanthanum-140	5.00E+00	5.56E+01	1.81E+02	pCi/kg	U
1162	575130001	4/7/2022	Lead-210	-1.40E+03	9.07E+02	3.09E+03	pCi/kg	U
1162	596160001	10/10/2022	Lead-210	3.30E+03	1.53E+03	6.18E+03	pCi/kg	U
1162	575130001	4/7/2022	Lead-212	8.02E+02	3.87E+01	4.66E+01	pCi/kg	U
1162	596160001	10/10/2022	Lead-212	5.73E+02	4.09E+01	5.32E+01	pCi/kg	U
1162	575130001	4/7/2022	Lead-214	9.23E+02	6.61E+01	6.74E+01	pCi/kg	U
1162	596160001	10/10/2022	Lead-214	5.92E+02	6.07E+01	6.85E+01	pCi/kg	U
1162	575130001	4/7/2022	Manganese-54	-9.46E-01	1.01E+01	3.32E+01	pCi/kg	U
1162	596160001	10/10/2022	Manganese-54	3.64E+00	1.06E+01	3.76E+01	pCi/kg	U
1162	575130001	4/7/2022	Molybdenum-99	1.75E+04	3.19E+04	1.12E+05	pCi/kg	U
1162	596160001	10/10/2022	Molybdenum-99	-1.40E+04	7.83E+04	0.00E+00	pCi/kg	U
1162	575130001	4/7/2022	Niobium-95	-3.28E+01	1.38E+01	3.96E+01	pCi/kg	U
1162	596160001	10/10/2022	Niobium-95	-1.41E+01	1.21E+01	3.95E+01	pCi/kg	U
1162	575130001	4/7/2022	Potassium-40	1.47E+03	2.52E+02	2.56E+02	pCi/kg	U
1162	596160001	10/10/2022	Potassium-40	8.41E+02	1.91E+02	1.77E+02	pCi/kg	U
1162	575130001	4/7/2022	Radium-226	8.02E+02	6.00E+01	6.37E+01	pCi/kg	U
1162	596160001	10/10/2022	Radium-226	5.92E+02	6.07E+01	6.85E+01	pCi/kg	U
1162	575130001	4/7/2022	Radium-228	8.57E+02	9.30E+01	8.05E+01	pCi/kg	U
1162	596160001	10/10/2022	Radium-228	4.28E+02	8.18E+01	1.08E+02	pCi/kg	U
1162	575130001	4/7/2022	Ruthenium-103	4.17E+00	1.17E+01	4.17E+01	pCi/kg	U
1162	596160001	10/10/2022	Ruthenium-103	6.43E+01	5.05E+01	4.63E+01	pCi/kg	UI
1162	575130001	4/7/2022	Ruthenium-106	1.71E+01	8.10E+01	2.80E+02	pCi/kg	U
1162	596160001	10/10/2022	Ruthenium-106	-3.47E+01	8.39E+01	2.72E+02	pCi/kg	U
1162	575130001	4/7/2022	Selenium-75	1.11E+00	1.40E+01	4.29E+01	pCi/kg	U
1162	596160001	10/10/2022	Selenium-75	7.88E+00	1.35E+01	4.56E+01	pCi/kg	U
1162	575130001	4/7/2022	Silver-108m	4.52E+00	8.45E+00	2.82E+01	pCi/kg	U
1162	596160001	10/10/2022	Silver-108m	-2.20E-01	7.14E+00	2.48E+01	pCi/kg	U
1162	575130001	4/7/2022	Silver-110m	-2.36E+01	1.64E+01	4.55E+01	pCi/kg	U
1162	596160001	10/10/2022	Silver-110m	-8.64E+00	1.18E+01	3.83E+01	pCi/kg	U
1162	575130001	4/7/2022	Tellurium-132	9.17E+02	1.60E+03	5.51E+03	pCi/kg	U
1162	596160001	10/10/2022	Tellurium-132	1.35E+03	3.01E+03	1.13E+04	pCi/kg	U
1162	575130001	4/7/2022	Thallium-208	2.52E+02	2.74E+01	3.20E+01	pCi/kg	U

Table 16: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1162	596160001	10/10/2022	Thallium-208	1.95E+02	2.90E+01	2.96E+01	pCi/kg	
1162	575130001	4/7/2022	Thorium-228	8.02E+02	3.87E+01	4.66E+01	pCi/kg	
1162	596160001	10/10/2022	Thorium-228	5.73E+02	4.09E+01	5.32E+01	pCi/kg	
1162	575130001	4/7/2022	Thorium-230	8.02E+02	6.00E+01	6.37E+01	pCi/kg	
1162	596160001	10/10/2022	Thorium-230	5.92E+02	6.07E+01	6.85E+01	pCi/kg	
1162	575130001	4/7/2022	Thorium-232	8.57E+02	9.30E+01	8.05E+01	pCi/kg	
1162	596160001	10/10/2022	Thorium-232	4.28E+02	8.18E+01	1.08E+02	pCi/kg	
1162	575130001	4/7/2022	Thorium-234	7.61E+02	9.63E+02	1.26E+03	pCi/kg	U
1162	596160001	10/10/2022	Thorium-234	1.19E+03	1.17E+03	1.43E+03	pCi/kg	U
1162	575130001	4/7/2022	Uranium-234	8.02E+02	6.00E+01	6.37E+01	pCi/kg	
1162	596160001	10/10/2022	Uranium-234	5.92E+02	6.07E+01	6.85E+01	pCi/kg	
1162	575130001	4/7/2022	Zinc-65	4.65E+00	2.42E+01	7.51E+01	pCi/kg	U
1162	596160001	10/10/2022	Zinc-65	-4.59E+01	2.52E+01	5.65E+01	pCi/kg	U
1162	575130001	4/7/2022	Zirconium-95	-9.08E+00	2.34E+01	7.63E+01	pCi/kg	U
1162	596160001	10/10/2022	Zirconium-95	-2.46E+01	2.05E+01	6.65E+01	pCi/kg	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	587159004	7/25/2022	Actinium-228	1.48E+03	1.36E+02	1.75E+02	pCi/kg	
1101	587159004	7/25/2022	Americium-241	5.96E+01	9.52E+01	3.38E+02	pCi/kg	U
1101	587159004	7/25/2022	Antimony-124	-7.29E+00	4.11E+01	1.29E+02	pCi/kg	U
1101	587159004	7/25/2022	Antimony-125	-2.06E+01	3.59E+01	1.18E+02	pCi/kg	U
1101	587159004	7/25/2022	Barium-140	-1.79E+02	1.61E+02	4.97E+02	pCi/kg	U
1101	587159004	7/25/2022	Beryllium-7	5.54E+01	1.54E+02	5.27E+02	pCi/kg	U
1101	587159004	7/25/2022	Bismuth-214	1.17E+03	8.26E+01	9.48E+01	pCi/kg	
1101	587159004	7/25/2022	Cerium-141	3.09E+01	3.28E+01	1.09E+02	pCi/kg	U
1101	587159004	7/25/2022	Cerium-144	1.06E+01	9.20E+01	2.85E+02	pCi/kg	U
1101	587159004	7/25/2022	Cesium-134	3.95E+01	1.80E+01	6.59E+01	pCi/kg	U
1101	587159004	7/25/2022	Cesium-137	1.85E+02	3.47E+01	4.49E+01	pCi/kg	
1101	587159004	7/25/2022	Chromium-51	-1.68E+02	1.94E+02	6.50E+02	pCi/kg	U
1101	587159004	7/25/2022	Cobalt-57	1.51E+01	1.03E+01	3.61E+01	pCi/kg	U
1101	587159004	7/25/2022	Cobalt-58	1.19E+01	1.81E+01	6.08E+01	pCi/kg	U
1101	587159004	7/25/2022	Cobalt-60	1.75E+01	1.65E+01	5.92E+01	pCi/kg	U
1101	587159004	7/25/2022	Iodine-131	6.61E+01	9.10E+01	3.22E+02	pCi/kg	U
1101	587159004	7/25/2022	Iron-59	1.91E+01	3.90E+01	1.35E+02	pCi/kg	U
1101	587159004	7/25/2022	Lanthanum-140	-9.22E+01	5.87E+01	1.51E+02	pCi/kg	U
1101	587159004	7/25/2022	Lead-210	-2.17E+03	3.45E+03	1.19E+04	pCi/kg	U
1101	587159004	7/25/2022	Lead-212	1.23E+03	5.76E+01	7.60E+01	pCi/kg	
1101	587159004	7/25/2022	Lead-214	1.54E+03	8.32E+01	3.16E+02	pCi/kg	
1101	587159004	7/25/2022	Manganese-54	9.60E+00	1.71E+01	5.11E+01	pCi/kg	U
1101	587159004	7/25/2022	Molybdenum-99	-1.54E+04	4.06E+04	1.12E+05	pCi/kg	U
1101	587159004	7/25/2022	Niobium-95	-1.42E+01	2.15E+01	5.79E+01	pCi/kg	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1101	587159004	7/25/2022	Potassium-40	7.66E+03	5.63E+02	5.16E+02	pCi/kg	
1101	587159004	7/25/2022	Radium-226	1.17E+03	8.26E+01	9.48E+01	pCi/kg	
1101	587159004	7/25/2022	Radium-228	1.48E+03	1.36E+02	1.75E+02	pCi/kg	
1101	587159004	7/25/2022	Ruthenium-103	-2.32E-01	2.03E+01	6.79E+01	pCi/kg	U
1101	587159004	7/25/2022	Ruthenium-106	1.48E+02	1.28E+02	4.34E+02	pCi/kg	U
1101	587159004	7/25/2022	Selenium-75	-1.11E+00	1.99E+01	6.30E+01	pCi/kg	U
1101	587159004	7/25/2022	Silver-108m	6.64E+00	1.07E+01	3.73E+01	pCi/kg	U
1101	587159004	7/25/2022	Silver-110m	4.19E+01	2.31E+01	8.28E+01	pCi/kg	U
1101	587159004	7/25/2022	Strontium-89	-1.96E+01	3.64E+01	1.24E+02	pCi/kg	U
1101	587159004	7/25/2022	Strontium-90	3.72E+01	3.58E+01	1.22E+02	pCi/kg	U
1101	587159004	7/25/2022	Tellurium-132	-8.17E+02	1.77E+03	5.58E+03	pCi/kg	U
1101	587159004	7/25/2022	Thallium-208	3.68E+02	3.88E+01	4.83E+01	pCi/kg	
1101	587159004	7/25/2022	Thorium-228	1.23E+03	5.76E+01	7.60E+01	pCi/kg	
1101	587159004	7/25/2022	Thorium-230	1.17E+03	8.26E+01	9.47E+01	pCi/kg	
1101	587159004	7/25/2022	Thorium-232	1.48E+03	1.36E+02	1.75E+02	pCi/kg	
1101	587159004	7/25/2022	Thorium-234	3.72E+03	1.18E+03	2.32E+03	pCi/kg	
1101	587159004	7/25/2022	Uranium-234	1.17E+03	8.26E+01	9.47E+01	pCi/kg	
1101	587159004	7/25/2022	Zinc-65	4.82E+01	3.52E+01	1.19E+02	pCi/kg	U
1101	587159004	7/25/2022	Zirconium-95	8.60E+01	4.06E+01	1.11E+02	pCi/kg	U
1102	587159005	7/25/2022	Actinium-228	1.29E+03	1.20E+02	1.76E+02	pCi/kg	
1102	587159005	7/25/2022	Americium-241	7.16E+01	3.88E+01	1.29E+02	pCi/kg	U
1102	587159005	7/25/2022	Antimony-124	5.01E+01	2.55E+01	1.05E+02	pCi/kg	U
1102	587159005	7/25/2022	Antimony-125	-1.13E+01	3.36E+01	1.11E+02	pCi/kg	U
1102	587159005	7/25/2022	Barium-140	1.32E+02	1.45E+02	4.99E+02	pCi/kg	U
1102	587159005	7/25/2022	Beryllium-7	5.62E+01	1.39E+02	4.69E+02	pCi/kg	U
1102	587159005	7/25/2022	Bismuth-214	1.52E+03	7.90E+01	7.41E+01	pCi/kg	
1102	587159005	7/25/2022	Cerium-141	-1.31E+01	2.94E+01	9.11E+01	pCi/kg	U
1102	587159005	7/25/2022	Cerium-144	-1.88E+02	7.59E+01	2.27E+02	pCi/kg	U
1102	587159005	7/25/2022	Cesium-134	8.49E+01	3.35E+01	6.25E+01	pCi/kg	UI
1102	587159005	7/25/2022	Cesium-137	1.41E+02	2.34E+01	4.44E+01	pCi/kg	M
1102	587159005	7/25/2022	Chromium-51	-1.52E+02	1.55E+02	5.07E+02	pCi/kg	U
1102	587159005	7/25/2022	Cobalt-57	1.18E+01	8.96E+00	3.05E+01	pCi/kg	U
1102	587159005	7/25/2022	Cobalt-58	-1.34E+01	1.42E+01	4.55E+01	pCi/kg	U
1102	587159005	7/25/2022	Cobalt-60	5.17E+00	1.41E+01	4.74E+01	pCi/kg	U
1102	587159005	7/25/2022	Iodine-131	8.81E+01	8.25E+01	2.91E+02	pCi/kg	U
1102	587159005	7/25/2022	Iron-59	1.47E+01	3.22E+01	1.10E+02	pCi/kg	U
1102	587159005	7/25/2022	Lanthanum-140	-4.86E+01	4.82E+01	1.08E+02	pCi/kg	U
1102	587159005	7/25/2022	Lead-210	1.90E+03	1.03E+03	1.98E+03	pCi/kg	U
1102	587159005	7/25/2022	Lead-212	1.41E+03	5.23E+01	6.76E+01	pCi/kg	
1102	587159005	7/25/2022	Lead-214	1.59E+03	8.12E+01	9.25E+01	pCi/kg	
1102	587159005	7/25/2022	Manganese-54	-3.80E+00	1.49E+01	4.38E+01	pCi/kg	U
1102	587159005	7/25/2022	Molybdenum-99	-1.27E+04	3.02E+04	9.33E+04	pCi/kg	U
1102	587159005	7/25/2022	Niobium-95	2.12E+01	1.94E+01	5.95E+01	pCi/kg	U
1102	587159005	7/25/2022	Potassium-40	4.60E+03	3.92E+02	3.74E+02	pCi/kg	
1102	587159005	7/25/2022	Radium-226	1.52E+03	7.90E+01	7.41E+01	pCi/kg	
1102	587159005	7/25/2022	Radium-228	1.29E+03	1.20E+02	1.76E+02	pCi/kg	

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1102	587159005	7/25/2022	Ruthenium-103	2.51E+01	1.47E+01	5.32E+01	pCi/kg	U
1102	587159005	7/25/2022	Ruthenium-106	2.76E+01	1.12E+02	3.69E+02	pCi/kg	U
1102	587159005	7/25/2022	Selenium-75	-6.63E+00	1.67E+01	5.67E+01	pCi/kg	U
1102	587159005	7/25/2022	Silver-108m	2.40E+00	1.07E+01	3.60E+01	pCi/kg	U
1102	587159005	7/25/2022	Silver-110m	-1.04E+01	1.67E+01	5.42E+01	pCi/kg	U
1102	587159005	7/25/2022	Strontium-89	-2.30E+00	5.51E+01	1.82E+02	pCi/kg	U
1102	587159005	7/25/2022	Strontium-90	-6.20E+01	4.40E+01	1.70E+02	pCi/kg	U
1102	587159005	7/25/2022	Tellurium-132	1.25E+02	1.46E+03	5.11E+03	pCi/kg	U
1102	587159005	7/25/2022	Thallium-208	4.52E+02	3.74E+01	4.49E+01	pCi/kg	U
1102	587159005	7/25/2022	Thorium-228	1.41E+03	5.23E+01	6.76E+01	pCi/kg	U
1102	587159005	7/25/2022	Thorium-230	1.52E+03	7.90E+01	7.41E+01	pCi/kg	U
1102	587159005	7/25/2022	Thorium-232	1.29E+03	1.20E+02	1.76E+02	pCi/kg	U
1102	587159005	7/25/2022	Thorium-234	2.16E+03	8.12E+02	1.12E+03	pCi/kg	U
1102	587159005	7/25/2022	Uranium-234	1.52E+03	7.90E+01	7.41E+01	pCi/kg	U
1102	587159005	7/25/2022	Zinc-65	2.45E+00	3.07E+01	9.00E+01	pCi/kg	U
1102	587159005	7/25/2022	Zirconium-95	2.03E+01	2.95E+01	9.81E+01	pCi/kg	U
1103	587159006	7/25/2022	Actinium-228	1.36E+03	1.37E+02	1.45E+02	pCi/kg	U
1103	587159006	7/25/2022	Americium-241	-2.88E+01	4.91E+01	1.52E+02	pCi/kg	U
1103	587159006	7/25/2022	Antimony-124	1.60E+01	2.98E+01	1.04E+02	pCi/kg	U
1103	587159006	7/25/2022	Antimony-125	5.15E+01	3.00E+01	1.10E+02	pCi/kg	U
1103	587159006	7/25/2022	Barium-140	2.15E+01	1.32E+02	4.46E+02	pCi/kg	U
1103	587159006	7/25/2022	Beryllium-7	1.41E+02	1.27E+02	4.50E+02	pCi/kg	U
1103	587159006	7/25/2022	Bismuth-214	1.09E+03	6.77E+01	6.87E+01	pCi/kg	U
1103	587159006	7/25/2022	Cerium-141	-1.99E+01	2.64E+01	8.41E+01	pCi/kg	U
1103	587159006	7/25/2022	Cerium-144	1.79E+01	6.71E+01	2.23E+02	pCi/kg	U
1103	587159006	7/25/2022	Cesium-134	5.92E+01	2.23E+01	5.84E+01	pCi/kg	UI
1103	587159006	7/25/2022	Cesium-137	1.13E+02	2.96E+01	4.46E+01	pCi/kg	M
1103	587159006	7/25/2022	Chromium-51	-7.50E+01	1.41E+02	4.75E+02	pCi/kg	U
1103	587159006	7/25/2022	Cobalt-57	-1.32E+00	8.95E+00	2.94E+01	pCi/kg	U
1103	587159006	7/25/2022	Cobalt-58	2.69E+01	1.34E+01	4.86E+01	pCi/kg	U
1103	587159006	7/25/2022	Cobalt-60	6.40E+00	1.14E+01	3.62E+01	pCi/kg	U
1103	587159006	7/25/2022	Iodine-131	-2.11E+01	7.39E+01	2.50E+02	pCi/kg	U
1103	587159006	7/25/2022	Iron-59	-1.86E+01	2.86E+01	9.14E+01	pCi/kg	U
1103	587159006	7/25/2022	Lanthanum-140	-4.10E+01	5.88E+01	1.52E+02	pCi/kg	U
1103	587159006	7/25/2022	Lead-210	9.34E+02	1.04E+03	3.58E+03	pCi/kg	U
1103	587159006	7/25/2022	Lead-212	1.33E+03	5.11E+01	6.10E+01	pCi/kg	U
1103	587159006	7/25/2022	Lead-214	1.32E+03	7.31E+01	7.89E+01	pCi/kg	U
1103	587159006	7/25/2022	Manganese-54	1.26E+01	1.36E+01	4.64E+01	pCi/kg	U
1103	587159006	7/25/2022	Molybdenum-99	7.97E+03	2.90E+04	9.62E+04	pCi/kg	U
1103	587159006	7/25/2022	Niobium-95	3.92E+00	1.68E+01	4.95E+01	pCi/kg	U
1103	587159006	7/25/2022	Potassium-40	4.34E+03	3.91E+02	3.71E+02	pCi/kg	U
1103	587159006	7/25/2022	Radium-226	1.09E+03	6.77E+01	6.87E+01	pCi/kg	U
1103	587159006	7/25/2022	Radium-228	1.36E+03	1.37E+02	1.45E+02	pCi/kg	U
1103	587159006	7/25/2022	Ruthenium-103	-7.87E+00	1.37E+01	4.42E+01	pCi/kg	U
1103	587159006	7/25/2022	Ruthenium-106	-9.02E+01	1.06E+02	3.30E+02	pCi/kg	U
1103	587159006	7/25/2022	Selenium-75	-4.18E-02	1.63E+01	4.72E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1103	587159006	7/25/2022	Silver-108m	-2.10E+01	8.77E+00	2.56E+01	pCi/kg	U
1103	587159006	7/25/2022	Silver-110m	1.17E+01	1.47E+01	5.06E+01	pCi/kg	U
1103	587159006	7/25/2022	Strontium-89	-1.80E+02	6.32E+01	2.42E+02	pCi/kg	U
1103	587159006	7/25/2022	Strontium-90	9.68E+01	5.22E+01	1.69E+02	pCi/kg	U
1103	587159006	7/25/2022	Tellurium-132	-1.65E+03	1.43E+03	4.31E+03	pCi/kg	U
1103	587159006	7/25/2022	Thallium-208	3.42E+02	3.39E+01	3.86E+01	pCi/kg	
1103	587159006	7/25/2022	Thorium-228	1.33E+03	5.11E+01	6.10E+01	pCi/kg	
1103	587159006	7/25/2022	Thorium-230	1.09E+03	6.77E+01	6.87E+01	pCi/kg	
1103	587159006	7/25/2022	Thorium-232	1.36E+03	1.37E+02	1.45E+02	pCi/kg	
1103	587159006	7/25/2022	Thorium-234	2.35E+03	9.12E+02	1.32E+03	pCi/kg	
1103	587159006	7/25/2022	Uranium-234	1.09E+03	6.77E+01	6.87E+01	pCi/kg	
1103	587159006	7/25/2022	Zinc-65	-4.81E+01	3.46E+01	8.93E+01	pCi/kg	U
1103	587159006	7/25/2022	Zirconium-95	-3.38E+01	2.44E+01	7.05E+01	pCi/kg	U
1104	587159003	7/25/2022	Actinium-228	1.37E+03	1.40E+02	1.86E+02	pCi/kg	
1104	587159003	7/25/2022	Americium-241	2.13E+01	7.28E+01	2.30E+02	pCi/kg	U
1104	587159003	7/25/2022	Antimony-124	-8.69E+00	3.76E+01	1.19E+02	pCi/kg	U
1104	587159003	7/25/2022	Antimony-125	2.37E+01	3.92E+01	1.35E+02	pCi/kg	U
1104	587159003	7/25/2022	Barium-140	2.91E+01	1.44E+02	4.84E+02	pCi/kg	U
1104	587159003	7/25/2022	Beryllium-7	8.46E+00	1.47E+02	4.92E+02	pCi/kg	U
1104	587159003	7/25/2022	Bismuth-214	1.50E+03	8.98E+01	9.48E+01	pCi/kg	
1104	587159003	7/25/2022	Cerium-141	1.84E+01	3.58E+01	1.09E+02	pCi/kg	U
1104	587159003	7/25/2022	Cerium-144	2.06E+01	8.94E+01	2.71E+02	pCi/kg	U
1104	587159003	7/25/2022	Cesium-134	5.72E+01	2.81E+01	6.70E+01	pCi/kg	U
1104	587159003	7/25/2022	Cesium-137	1.25E+02	2.62E+01	5.01E+01	pCi/kg	M
1104	587159003	7/25/2022	Chromium-51	6.03E+00	1.81E+02	6.23E+02	pCi/kg	U
1104	587159003	7/25/2022	Cobalt-57	9.28E+00	1.06E+01	3.57E+01	pCi/kg	U
1104	587159003	7/25/2022	Cobalt-58	3.10E+00	1.61E+01	4.72E+01	pCi/kg	U
1104	587159003	7/25/2022	Cobalt-60	1.44E+01	1.47E+01	5.28E+01	pCi/kg	U
1104	587159003	7/25/2022	Iodine-131	-9.37E+01	9.22E+01	3.01E+02	pCi/kg	U
1104	587159003	7/25/2022	Iron-59	-6.64E+01	3.34E+01	9.45E+01	pCi/kg	U
1104	587159003	7/25/2022	Lanthanum-140	-8.01E+01	6.28E+01	1.81E+02	pCi/kg	U
1104	587159003	7/25/2022	Lead-210	3.88E+03	2.67E+03	4.69E+03	pCi/kg	U
1104	587159003	7/25/2022	Lead-212	1.47E+03	5.91E+01	7.56E+01	pCi/kg	
1104	587159003	7/25/2022	Lead-214	1.81E+03	8.62E+01	1.05E+02	pCi/kg	
1104	587159003	7/25/2022	Manganese-54	6.03E+00	1.50E+01	4.95E+01	pCi/kg	U
1104	587159003	7/25/2022	Molybdenum-99	2.32E+01	3.14E+04	1.02E+05	pCi/kg	U
1104	587159003	7/25/2022	Niobium-95	1.70E+00	1.95E+01	5.66E+01	pCi/kg	U
1104	587159003	7/25/2022	Potassium-40	7.65E+03	5.18E+02	3.81E+02	pCi/kg	
1104	587159003	7/25/2022	Radium-226	1.50E+03	8.98E+01	9.48E+01	pCi/kg	
1104	587159003	7/25/2022	Radium-228	1.37E+03	1.40E+02	1.86E+02	pCi/kg	
1104	587159003	7/25/2022	Ruthenium-103	1.36E+01	1.83E+01	6.33E+01	pCi/kg	U
1104	587159003	7/25/2022	Ruthenium-106	1.08E+02	1.34E+02	4.60E+02	pCi/kg	U
1104	587159003	7/25/2022	Selenium-75	-1.51E+00	1.95E+01	6.46E+01	pCi/kg	U
1104	587159003	7/25/2022	Silver-108m	2.09E+00	1.18E+01	3.99E+01	pCi/kg	U
1104	587159003	7/25/2022	Silver-110m	-2.55E+01	2.21E+01	6.50E+01	pCi/kg	U
1104	587159003	7/25/2022	Strontium-89	4.19E+01	6.39E+01	2.03E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1104	587159003	7/25/2022	Strontium-90	-1.59E+02	4.49E+01	1.94E+02	pCi/kg	U
1104	587159003	7/25/2022	Tellurium-132	2.48E+02	1.76E+03	5.59E+03	pCi/kg	U
1104	587159003	7/25/2022	Thallium-208	3.79E+02	4.40E+01	5.03E+01	pCi/kg	
1104	587159003	7/25/2022	Thorium-228	1.47E+03	5.91E+01	7.56E+01	pCi/kg	
1104	587159003	7/25/2022	Thorium-230	1.50E+03	8.98E+01	9.48E+01	pCi/kg	
1104	587159003	7/25/2022	Thorium-232	1.37E+03	1.40E+02	1.86E+02	pCi/kg	
1104	587159003	7/25/2022	Thorium-234	1.63E+03	1.17E+03	1.79E+03	pCi/kg	U
1104	587159003	7/25/2022	Uranium-234	1.50E+03	8.98E+01	9.48E+01	pCi/kg	
1104	587159003	7/25/2022	Zinc-65	-1.36E+01	3.33E+01	9.48E+01	pCi/kg	U
1104	587159003	7/25/2022	Zirconium-95	1.11E+01	3.03E+01	1.00E+02	pCi/kg	U
1108	587159002	7/25/2022	Actinium-228	9.14E+02	1.25E+02	1.72E+02	pCi/kg	
1108	587159002	7/25/2022	Americium-241	2.01E+01	5.20E+01	1.72E+02	pCi/kg	U
1108	587159002	7/25/2022	Antimony-124	-1.01E+00	3.21E+01	1.06E+02	pCi/kg	U
1108	587159002	7/25/2022	Antimony-125	1.52E+01	3.30E+01	1.13E+02	pCi/kg	U
1108	587159002	7/25/2022	Barium-140	1.73E+02	1.56E+02	5.43E+02	pCi/kg	U
1108	587159002	7/25/2022	Beryllium-7	2.72E+02	1.55E+02	5.54E+02	pCi/kg	U
1108	587159002	7/25/2022	Bismuth-214	1.05E+03	8.45E+01	1.01E+02	pCi/kg	
1108	587159002	7/25/2022	Cerium-141	8.35E+00	2.65E+01	8.19E+01	pCi/kg	U
1108	587159002	7/25/2022	Cerium-144	-8.83E+01	7.36E+01	2.13E+02	pCi/kg	U
1108	587159002	7/25/2022	Cesium-134	6.18E+01	2.68E+01	6.11E+01	pCi/kg	UI
1108	587159002	7/25/2022	Cesium-137	1.83E+02	2.88E+01	4.25E+01	pCi/kg	
1108	587159002	7/25/2022	Chromium-51	-2.64E+02	1.69E+02	5.41E+02	pCi/kg	U
1108	587159002	7/25/2022	Cobalt-57	-1.75E+00	9.08E+00	3.01E+01	pCi/kg	U
1108	587159002	7/25/2022	Cobalt-58	-8.83E+00	1.72E+01	4.88E+01	pCi/kg	U
1108	587159002	7/25/2022	Cobalt-60	1.14E+01	1.24E+01	4.41E+01	pCi/kg	U
1108	587159002	7/25/2022	Iodine-131	-5.40E+01	9.77E+01	2.84E+02	pCi/kg	U
1108	587159002	7/25/2022	Iron-59	-6.08E+01	3.83E+01	1.09E+02	pCi/kg	U
1108	587159002	7/25/2022	Lanthanum-140	-7.91E+01	6.04E+01	1.77E+02	pCi/kg	U
1108	587159002	7/25/2022	Lead-210	-3.09E+02	1.58E+03	5.15E+03	pCi/kg	U
1108	587159002	7/25/2022	Lead-212	9.21E+02	4.91E+01	6.91E+01	pCi/kg	
1108	587159002	7/25/2022	Lead-214	1.30E+03	8.71E+01	2.86E+02	pCi/kg	
1108	587159002	7/25/2022	Manganese-54	-2.48E+01	1.63E+01	4.18E+01	pCi/kg	U
1108	587159002	7/25/2022	Molybdenum-99	8.31E+04	3.63E+04	1.33E+05	pCi/kg	U
1108	587159002	7/25/2022	Niobium-95	1.77E+01	1.84E+01	5.65E+01	pCi/kg	U
1108	587159002	7/25/2022	Potassium-40	6.24E+03	4.87E+02	4.10E+02	pCi/kg	
1108	587159002	7/25/2022	Radium-226	1.05E+03	8.45E+01	1.01E+02	pCi/kg	
1108	587159002	7/25/2022	Radium-228	9.14E+02	1.25E+02	1.72E+02	pCi/kg	
1108	587159002	7/25/2022	Ruthenium-103	-3.99E+00	1.71E+01	5.57E+01	pCi/kg	U
1108	587159002	7/25/2022	Ruthenium-106	1.25E+02	1.23E+02	4.24E+02	pCi/kg	U
1108	587159002	7/25/2022	Selenium-75	2.64E+01	1.92E+01	6.00E+01	pCi/kg	U
1108	587159002	7/25/2022	Silver-108m	4.53E+00	1.06E+01	3.61E+01	pCi/kg	U
1108	587159002	7/25/2022	Silver-110m	5.96E+00	1.92E+01	6.59E+01	pCi/kg	U
1108	587159002	7/25/2022	Strontium-89	4.40E+01	6.58E+01	2.08E+02	pCi/kg	U
1108	587159002	7/25/2022	Strontium-90	1.06E+01	3.56E+01	1.26E+02	pCi/kg	U
1108	587159002	7/25/2022	Tellurium-132	-2.15E+03	1.55E+03	4.60E+03	pCi/kg	U
1108	587159002	7/25/2022	Thallium-208	3.42E+02	4.04E+01	4.06E+01	pCi/kg	

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1108	587159002	7/25/2022	Thorium-228	9.21E+02	4.91E+01	6.91E+01	pCi/kg	
1108	587159002	7/25/2022	Thorium-230	1.05E+03	8.45E+01	1.01E+02	pCi/kg	
1108	587159002	7/25/2022	Thorium-232	9.14E+02	1.25E+02	1.72E+02	pCi/kg	
1108	587159002	7/25/2022	Thorium-234	9.50E+02	7.03E+02	1.38E+03	pCi/kg	U
1108	587159002	7/25/2022	Uranium-234	1.05E+03	8.45E+01	1.01E+02	pCi/kg	
1108	587159002	7/25/2022	Zinc-65	4.43E+01	2.92E+01	9.99E+01	pCi/kg	U
1108	587159002	7/25/2022	Zirconium-95	1.52E+00	3.34E+01	1.06E+02	pCi/kg	U
1109	587159007	7/25/2022	Actinium-228	1.25E+03	1.63E+02	1.29E+02	pCi/kg	
1109	587159007	7/25/2022	Americium-241	1.13E+02	9.02E+01	3.25E+02	pCi/kg	U
1109	587159007	7/25/2022	Antimony-124	2.35E+01	4.02E+01	1.41E+02	pCi/kg	U
1109	587159007	7/25/2022	Antimony-125	-5.58E+01	4.07E+01	1.12E+02	pCi/kg	U
1109	587159007	7/25/2022	Barium-140	-9.00E+01	1.64E+02	5.30E+02	pCi/kg	U
1109	587159007	7/25/2022	Beryllium-7	4.12E+00	1.40E+02	4.72E+02	pCi/kg	U
1109	587159007	7/25/2022	Bismuth-214	1.15E+03	8.98E+01	8.19E+01	pCi/kg	
1109	587159007	7/25/2022	Cerium-141	-5.59E+00	3.12E+01	1.02E+02	pCi/kg	U
1109	587159007	7/25/2022	Cerium-144	-6.70E+01	8.54E+01	2.75E+02	pCi/kg	U
1109	587159007	7/25/2022	Cesium-134	8.72E+01	2.76E+01	7.75E+01	pCi/kg	UI
1109	587159007	7/25/2022	Cesium-137	2.41E+02	3.04E+01	4.75E+01	pCi/kg	
1109	587159007	7/25/2022	Chromium-51	-4.79E+01	1.78E+02	6.10E+02	pCi/kg	U
1109	587159007	7/25/2022	Cobalt-57	-5.20E+00	1.12E+01	3.68E+01	pCi/kg	U
1109	587159007	7/25/2022	Cobalt-58	-3.18E+00	1.54E+01	4.90E+01	pCi/kg	U
1109	587159007	7/25/2022	Cobalt-60	5.16E+00	1.23E+01	4.31E+01	pCi/kg	U
1109	587159007	7/25/2022	Iodine-131	-5.47E+01	9.11E+01	3.05E+02	pCi/kg	U
1109	587159007	7/25/2022	Iron-59	-2.18E+01	3.76E+01	1.21E+02	pCi/kg	U
1109	587159007	7/25/2022	Lanthanum-140	4.64E+01	6.10E+01	1.97E+02	pCi/kg	U
1109	587159007	7/25/2022	Lead-210	1.69E+03	3.67E+03	1.30E+04	pCi/kg	U
1109	587159007	7/25/2022	Lead-212	1.05E+03	6.75E+01	9.74E+01	pCi/kg	
1109	587159007	7/25/2022	Lead-214	1.47E+03	9.18E+01	3.07E+02	pCi/kg	
1109	587159007	7/25/2022	Manganese-54	9.40E+00	1.23E+01	4.24E+01	pCi/kg	U
1109	587159007	7/25/2022	Molybdenum-99	-2.09E+04	3.62E+04	1.13E+05	pCi/kg	U
1109	587159007	7/25/2022	Niobium-95	-2.89E+01	1.92E+01	5.54E+01	pCi/kg	U
1109	587159007	7/25/2022	Potassium-40	4.58E+03	4.77E+02	3.65E+02	pCi/kg	
1109	587159007	7/25/2022	Radium-226	1.15E+03	8.98E+01	8.19E+01	pCi/kg	
1109	587159007	7/25/2022	Radium-228	1.25E+03	1.63E+02	1.29E+02	pCi/kg	
1109	587159007	7/25/2022	Ruthenium-103	1.38E+01	1.86E+01	6.51E+01	pCi/kg	U
1109	587159007	7/25/2022	Ruthenium-106	-1.38E+01	1.22E+02	4.01E+02	pCi/kg	U
1109	587159007	7/25/2022	Selenium-75	-2.25E+00	1.97E+01	6.22E+01	pCi/kg	U
1109	587159007	7/25/2022	Silver-108m	1.83E+01	1.31E+01	4.35E+01	pCi/kg	U
1109	587159007	7/25/2022	Silver-110m	9.42E+00	1.79E+01	6.02E+01	pCi/kg	U
1109	587159007	7/25/2022	Strontium-89	7.72E+01	6.89E+01	2.13E+02	pCi/kg	U
1109	587159007	7/25/2022	Strontium-90	-9.21E+00	5.30E+01	1.94E+02	pCi/kg	U
1109	587159007	7/25/2022	Tellurium-132	-1.30E+03	1.81E+03	5.63E+03	pCi/kg	U
1109	587159007	7/25/2022	Thallium-208	3.17E+02	3.75E+01	5.34E+01	pCi/kg	
1109	587159007	7/25/2022	Thorium-228	1.05E+03	6.75E+01	9.74E+01	pCi/kg	
1109	587159007	7/25/2022	Thorium-230	1.15E+03	8.98E+01	8.19E+01	pCi/kg	
1109	587159007	7/25/2022	Thorium-232	1.25E+03	1.63E+02	1.29E+02	pCi/kg	

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1109	587159007	7/25/2022	Thorium-234	1.64E+03	1.08E+03	2.66E+03	pCi/kg	U
1109	587159007	7/25/2022	Uranium-234	1.15E+03	8.98E+01	8.19E+01	pCi/kg	
1109	587159007	7/25/2022	Zinc-65	5.92E+01	7.54E+01	1.11E+02	pCi/kg	U
1109	587159007	7/25/2022	Zirconium-95	-1.47E+01	3.46E+01	1.09E+02	pCi/kg	U
1110	587159009	7/25/2022	Actinium-228	1.33E+03	1.19E+02	1.57E+02	pCi/kg	
1110	587159009	7/25/2022	Americium-241	-6.41E+01	8.90E+01	2.73E+02	pCi/kg	U
1110	587159009	7/25/2022	Antimony-124	3.07E+01	3.37E+01	1.19E+02	pCi/kg	U
1110	587159009	7/25/2022	Antimony-125	9.55E+01	9.36E+01	1.04E+02	pCi/kg	U
1110	587159009	7/25/2022	Barium-140	-4.56E+01	1.46E+02	4.80E+02	pCi/kg	U
1110	587159009	7/25/2022	Beryllium-7	6.40E+01	1.40E+02	4.80E+02	pCi/kg	U
1110	587159009	7/25/2022	Bismuth-214	1.12E+03	7.28E+01	8.50E+01	pCi/kg	
1110	587159009	7/25/2022	Cerium-141	2.39E+01	4.18E+01	9.92E+01	pCi/kg	U
1110	587159009	7/25/2022	Cerium-144	7.27E+01	8.56E+01	2.59E+02	pCi/kg	U
1110	587159009	7/25/2022	Cesium-134	7.99E+01	3.45E+01	6.14E+01	pCi/kg	UI
1110	587159009	7/25/2022	Cesium-137	6.71E+01	2.58E+01	4.61E+01	pCi/kg	M
1110	587159009	7/25/2022	Chromium-51	-1.61E+00	1.67E+02	5.43E+02	pCi/kg	U
1110	587159009	7/25/2022	Cobalt-57	2.14E+01	1.05E+01	3.59E+01	pCi/kg	U
1110	587159009	7/25/2022	Cobalt-58	-1.15E+01	1.55E+01	4.54E+01	pCi/kg	U
1110	587159009	7/25/2022	Cobalt-60	-2.83E+00	1.40E+01	4.62E+01	pCi/kg	U
1110	587159009	7/25/2022	Iodine-131	-8.08E+00	8.19E+01	2.63E+02	pCi/kg	U
1110	587159009	7/25/2022	Iron-59	-6.52E+00	3.44E+01	1.11E+02	pCi/kg	U
1110	587159009	7/25/2022	Lanthanum-140	-5.56E+01	6.27E+01	1.76E+02	pCi/kg	U
1110	587159009	7/25/2022	Lead-210	1.45E+03	2.98E+03	9.98E+03	pCi/kg	U
1110	587159009	7/25/2022	Lead-212	1.22E+03	5.17E+01	7.03E+01	pCi/kg	
1110	587159009	7/25/2022	Lead-214	1.44E+03	7.76E+01	2.62E+02	pCi/kg	
1110	587159009	7/25/2022	Manganese-54	2.03E+01	1.41E+01	5.03E+01	pCi/kg	U
1110	587159009	7/25/2022	Molybdenum-99	-2.72E+04	3.88E+04	1.03E+05	pCi/kg	U
1110	587159009	7/25/2022	Niobium-95	-1.04E+01	1.94E+01	6.08E+01	pCi/kg	U
1110	587159009	7/25/2022	Potassium-40	3.08E+03	3.26E+02	4.49E+02	pCi/kg	
1110	587159009	7/25/2022	Radium-226	1.12E+03	7.28E+01	8.50E+01	pCi/kg	
1110	587159009	7/25/2022	Radium-228	1.33E+03	1.19E+02	1.57E+02	pCi/kg	
1110	587159009	7/25/2022	Ruthenium-103	-6.99E+00	1.52E+01	4.98E+01	pCi/kg	U
1110	587159009	7/25/2022	Ruthenium-106	-6.58E+00	1.19E+02	3.90E+02	pCi/kg	U
1110	587159009	7/25/2022	Selenium-75	-3.27E+01	1.82E+01	5.50E+01	pCi/kg	U
1110	587159009	7/25/2022	Silver-108m	-2.10E+00	1.21E+01	3.60E+01	pCi/kg	U
1110	587159009	7/25/2022	Silver-110m	5.71E+00	1.72E+01	5.86E+01	pCi/kg	U
1110	587159009	7/25/2022	Strontium-89	8.42E+01	9.67E+01	3.05E+02	pCi/kg	U
1110	587159009	7/25/2022	Strontium-90	1.07E+02	6.44E+01	2.16E+02	pCi/kg	U
1110	587159009	7/25/2022	Tellurium-132	3.52E+02	1.48E+03	5.04E+03	pCi/kg	U
1110	587159009	7/25/2022	Thallium-208	3.78E+02	3.23E+01	4.21E+01	pCi/kg	
1110	587159009	7/25/2022	Thorium-228	1.22E+03	5.17E+01	7.03E+01	pCi/kg	
1110	587159009	7/25/2022	Thorium-230	1.12E+03	7.28E+01	8.50E+01	pCi/kg	
1110	587159009	7/25/2022	Thorium-232	1.33E+03	1.19E+02	1.57E+02	pCi/kg	
1110	587159009	7/25/2022	Thorium-234	2.25E+02	1.28E+03	2.18E+03	pCi/kg	U
1110	587159009	7/25/2022	Uranium-234	1.12E+03	7.28E+01	8.50E+01	pCi/kg	
1110	587159009	7/25/2022	Zinc-65	-4.30E+01	3.41E+01	8.47E+01	pCi/kg	U

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1110	587159009	7/25/2022	Zirconium-95	5.33E+01	2.86E+01	1.01E+02	pCi/kg	U
1114	587159001	7/25/2022	Actinium-228	9.41E+02	1.74E+02	6.34E+02	pCi/kg	UI
1114	587159001	7/25/2022	Americium-241	-4.50E+01	4.50E+01	1.37E+02	pCi/kg	U
1114	587159001	7/25/2022	Antimony-124	4.89E+01	4.67E+01	1.79E+02	pCi/kg	U
1114	587159001	7/25/2022	Antimony-125	2.75E+01	6.06E+01	2.07E+02	pCi/kg	U
1114	587159001	7/25/2022	Barium-140	-1.85E+02	2.82E+02	8.89E+02	pCi/kg	U
1114	587159001	7/25/2022	Beryllium-7	6.69E+02	2.54E+02	7.47E+02	pCi/kg	U
1114	587159001	7/25/2022	Bismuth-214	1.11E+03	1.12E+02	1.32E+02	pCi/kg	U
1114	587159001	7/25/2022	Cerium-141	-5.30E+01	3.99E+01	1.22E+02	pCi/kg	U
1114	587159001	7/25/2022	Cerium-144	-4.28E+01	1.02E+02	3.25E+02	pCi/kg	U
1114	587159001	7/25/2022	Cesium-134	3.96E+01	2.85E+01	9.32E+01	pCi/kg	U
1114	587159001	7/25/2022	Cesium-137	5.66E+01	2.66E+01	9.74E+01	pCi/kg	U
1114	587159001	7/25/2022	Chromium-51	3.28E+02	2.66E+02	9.56E+02	pCi/kg	U
1114	587159001	7/25/2022	Cobalt-57	2.01E+01	1.33E+01	4.59E+01	pCi/kg	U
1114	587159001	7/25/2022	Cobalt-58	-1.08E+01	3.05E+01	9.43E+01	pCi/kg	U
1114	587159001	7/25/2022	Cobalt-60	4.96E+01	3.88E+01	9.89E+01	pCi/kg	U
1114	587159001	7/25/2022	Iodine-131	4.35E+01	1.29E+02	4.42E+02	pCi/kg	U
1114	587159001	7/25/2022	Iron-59	1.18E+02	5.63E+01	2.22E+02	pCi/kg	U
1114	587159001	7/25/2022	Lanthanum-140	8.39E+01	9.87E+01	3.41E+02	pCi/kg	U
1114	587159001	7/25/2022	Lead-210	2.46E+03	3.66E+02	1.40E+03	pCi/kg	UI
1114	587159001	7/25/2022	Lead-212	9.71E+02	8.35E+01	1.20E+02	pCi/kg	U
1114	587159001	7/25/2022	Lead-214	1.18E+03	1.17E+02	3.84E+02	pCi/kg	U
1114	587159001	7/25/2022	Manganese-54	5.62E+00	2.20E+01	7.16E+01	pCi/kg	U
1114	587159001	7/25/2022	Molybdenum-99	-1.58E+04	6.52E+04	1.81E+05	pCi/kg	U
1114	587159001	7/25/2022	Niobium-95	6.97E+00	3.36E+01	1.09E+02	pCi/kg	U
1114	587159001	7/25/2022	Potassium-40	4.33E+03	5.99E+02	5.54E+02	pCi/kg	U
1114	587159001	7/25/2022	Radium-226	1.11E+03	1.12E+02	1.32E+02	pCi/kg	U
1114	587159001	7/25/2022	Radium-228	9.41E+02	1.74E+02	6.34E+02	pCi/kg	UI
1114	587159001	7/25/2022	Ruthenium-103	1.93E+01	2.90E+01	9.99E+01	pCi/kg	U
1114	587159001	7/25/2022	Ruthenium-106	-5.29E+01	1.99E+02	6.33E+02	pCi/kg	U
1114	587159001	7/25/2022	Selenium-75	1.24E+01	2.59E+01	9.09E+01	pCi/kg	U
1114	587159001	7/25/2022	Silver-108m	-1.88E+01	1.90E+01	5.78E+01	pCi/kg	U
1114	587159001	7/25/2022	Silver-110m	-2.09E+01	3.14E+01	9.23E+01	pCi/kg	U
1114	587159001	7/25/2022	Strontium-89	2.80E+01	4.72E+01	1.50E+02	pCi/kg	U
1114	587159001	7/25/2022	Strontium-90	4.42E+01	5.58E+01	1.96E+02	pCi/kg	U
1114	587159001	7/25/2022	Tellurium-132	2.19E+03	2.24E+03	7.41E+03	pCi/kg	U
1114	587159001	7/25/2022	Thallium-208	2.83E+02	4.66E+01	7.71E+01	pCi/kg	U
1114	587159001	7/25/2022	Thorium-228	9.71E+02	8.35E+01	1.20E+02	pCi/kg	U
1114	587159001	7/25/2022	Thorium-230	1.11E+03	1.12E+02	1.32E+02	pCi/kg	U
1114	587159001	7/25/2022	Thorium-232	9.41E+02	1.74E+02	6.34E+02	pCi/kg	UI
1114	587159001	7/25/2022	Thorium-234	2.44E+03	9.73E+02	1.30E+03	pCi/kg	U
1114	587159001	7/25/2022	Uranium-234	1.11E+03	1.12E+02	1.32E+02	pCi/kg	U
1114	587159001	7/25/2022	Zinc-65	-3.32E+01	4.89E+01	1.29E+02	pCi/kg	U
1114	587159001	7/25/2022	Zirconium-95	9.49E+01	5.09E+01	1.86E+02	pCi/kg	U
1206	587159010	7/25/2022	Actinium-228	7.43E+02	1.10E+02	1.48E+02	pCi/kg	U
1206	587159010	7/25/2022	Americium-241	5.80E+01	4.74E+01	1.59E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1206	587159010	7/25/2022	Antimony-124	-3.63E+01	2.54E+01	5.81E+01	pCi/kg	U
1206	587159010	7/25/2022	Antimony-125	1.87E+01	3.03E+01	1.06E+02	pCi/kg	U
1206	587159010	7/25/2022	Barium-140	1.63E+02	1.54E+02	5.00E+02	pCi/kg	U
1206	587159010	7/25/2022	Beryllium-7	1.61E+02	1.41E+02	4.60E+02	pCi/kg	U
1206	587159010	7/25/2022	Bismuth-214	6.91E+02	5.99E+01	8.39E+01	pCi/kg	
1206	587159010	7/25/2022	Cerium-141	-3.37E+01	2.54E+01	7.90E+01	pCi/kg	U
1206	587159010	7/25/2022	Cerium-144	9.73E+01	6.43E+01	2.24E+02	pCi/kg	U
1206	587159010	7/25/2022	Cesium-134	4.48E+01	2.46E+01	6.14E+01	pCi/kg	U
1206	587159010	7/25/2022	Cesium-137	1.88E+02	2.89E+01	5.32E+01	pCi/kg	
1206	587159010	7/25/2022	Chromium-51	2.23E+01	1.47E+02	5.11E+02	pCi/kg	U
1206	587159010	7/25/2022	Cobalt-57	-2.79E+00	8.35E+00	2.51E+01	pCi/kg	U
1206	587159010	7/25/2022	Cobalt-58	2.38E+00	1.21E+01	3.99E+01	pCi/kg	U
1206	587159010	7/25/2022	Cobalt-60	8.77E+00	1.27E+01	4.51E+01	pCi/kg	U
1206	587159010	7/25/2022	Iodine-131	-5.83E+01	7.84E+01	2.30E+02	pCi/kg	U
1206	587159010	7/25/2022	Iron-59	4.89E+01	2.92E+01	1.13E+02	pCi/kg	U
1206	587159010	7/25/2022	Lanthanum-140	4.44E+00	3.68E+01	1.23E+02	pCi/kg	U
1206	587159010	7/25/2022	Lead-210	3.22E+03	1.93E+03	3.61E+03	pCi/kg	U
1206	587159010	7/25/2022	Lead-212	4.73E+02	4.86E+01	7.10E+01	pCi/kg	
1206	587159010	7/25/2022	Lead-214	6.86E+02	5.84E+01	2.14E+02	pCi/kg	
1206	587159010	7/25/2022	Manganese-54	-2.68E+01	1.41E+01	3.88E+01	pCi/kg	U
1206	587159010	7/25/2022	Molybdenum-99	-4.10E+04	3.30E+04	9.76E+04	pCi/kg	U
1206	587159010	7/25/2022	Niobium-95	-8.75E+00	1.70E+01	5.34E+01	pCi/kg	U
1206	587159010	7/25/2022	Potassium-40	2.64E+03	3.14E+02	4.19E+02	pCi/kg	
1206	587159010	7/25/2022	Radium-226	6.91E+02	5.99E+01	8.39E+01	pCi/kg	
1206	587159010	7/25/2022	Radium-228	7.43E+02	1.10E+02	1.48E+02	pCi/kg	
1206	587159010	7/25/2022	Ruthenium-103	3.99E+00	1.55E+01	5.29E+01	pCi/kg	U
1206	587159010	7/25/2022	Ruthenium-106	6.57E+01	9.96E+01	3.45E+02	pCi/kg	U
1206	587159010	7/25/2022	Selenium-75	-1.44E+01	1.64E+01	4.93E+01	pCi/kg	U
1206	587159010	7/25/2022	Silver-108m	-1.73E+01	1.20E+01	3.73E+01	pCi/kg	U
1206	587159010	7/25/2022	Silver-110m	1.03E+01	1.67E+01	5.65E+01	pCi/kg	U
1206	587159010	7/25/2022	Strontium-89	4.18E+01	3.60E+01	1.09E+02	pCi/kg	U
1206	587159010	7/25/2022	Strontium-90	-4.41E+00	3.66E+01	1.33E+02	pCi/kg	U
1206	587159010	7/25/2022	Tellurium-132	-1.79E+03	1.47E+03	4.43E+03	pCi/kg	U
1206	587159010	7/25/2022	Thallium-208	1.90E+02	3.31E+01	4.12E+01	pCi/kg	
1206	587159010	7/25/2022	Thorium-228	4.73E+02	4.86E+01	7.10E+01	pCi/kg	
1206	587159010	7/25/2022	Thorium-230	6.91E+02	5.99E+01	8.39E+01	pCi/kg	
1206	587159010	7/25/2022	Thorium-232	7.43E+02	1.10E+02	1.48E+02	pCi/kg	
1206	587159010	7/25/2022	Thorium-234	1.07E+03	8.78E+02	1.30E+03	pCi/kg	U
1206	587159010	7/25/2022	Uranium-234	6.91E+02	5.99E+01	8.39E+01	pCi/kg	
1206	587159010	7/25/2022	Zinc-65	2.20E+01	2.46E+01	8.24E+01	pCi/kg	U
1206	587159010	7/25/2022	Zirconium-95	5.12E+01	4.20E+01	9.41E+01	pCi/kg	U
1207	587159011	7/25/2022	Actinium-228	1.42E+03	1.31E+02	1.63E+02	pCi/kg	
1207	587159011	7/25/2022	Americium-241	-1.23E+02	6.57E+01	2.27E+02	pCi/kg	U
1207	587159011	7/25/2022	Antimony-124	-4.18E+01	4.39E+01	1.27E+02	pCi/kg	U
1207	587159011	7/25/2022	Antimony-125	-8.50E+00	3.52E+01	1.18E+02	pCi/kg	U
1207	587159011	7/25/2022	Barium-140	-1.23E+02	1.63E+02	5.13E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1207	587159011	7/25/2022	Beryllium-7	6.11E+01	1.44E+02	4.93E+02	pCi/kg	U
1207	587159011	7/25/2022	Bismuth-214	9.86E+02	8.98E+01	8.64E+01	pCi/kg	
1207	587159011	7/25/2022	Cerium-141	-3.89E+01	2.66E+01	8.39E+01	pCi/kg	U
1207	587159011	7/25/2022	Cerium-144	2.37E+01	6.62E+01	2.30E+02	pCi/kg	U
1207	587159011	7/25/2022	Cesium-134	1.93E+01	1.84E+01	6.63E+01	pCi/kg	U
1207	587159011	7/25/2022	Cesium-137	5.58E+01	1.83E+01	6.91E+01	pCi/kg	U
1207	587159011	7/25/2022	Chromium-51	6.95E+01	1.70E+02	6.02E+02	pCi/kg	U
1207	587159011	7/25/2022	Cobalt-57	4.01E+00	8.49E+00	2.99E+01	pCi/kg	U
1207	587159011	7/25/2022	Cobalt-58	1.89E+00	1.64E+01	5.61E+01	pCi/kg	U
1207	587159011	7/25/2022	Cobalt-60	-8.21E+00	1.64E+01	4.94E+01	pCi/kg	U
1207	587159011	7/25/2022	Iodine-131	2.70E+02	1.86E+02	1.99E+02	pCi/kg	UI
1207	587159011	7/25/2022	Iron-59	-1.63E+00	3.91E+01	1.28E+02	pCi/kg	U
1207	587159011	7/25/2022	Lanthanum-140	3.03E+01	5.19E+01	1.67E+02	pCi/kg	U
1207	587159011	7/25/2022	Lead-210	7.46E+02	2.53E+03	7.91E+03	pCi/kg	U
1207	587159011	7/25/2022	Lead-212	1.31E+03	5.67E+01	7.36E+01	pCi/kg	
1207	587159011	7/25/2022	Lead-214	1.36E+03	8.31E+01	2.93E+02	pCi/kg	
1207	587159011	7/25/2022	Manganese-54	1.55E+01	1.60E+01	5.74E+01	pCi/kg	U
1207	587159011	7/25/2022	Molybdenum-99	1.03E+05	3.85E+04	1.51E+05	pCi/kg	U
1207	587159011	7/25/2022	Niobium-95	1.01E+00	2.08E+01	6.30E+01	pCi/kg	U
1207	587159011	7/25/2022	Potassium-40	2.58E+03	3.56E+02	5.02E+02	pCi/kg	
1207	587159011	7/25/2022	Radium-226	9.86E+02	8.98E+01	8.64E+01	pCi/kg	
1207	587159011	7/25/2022	Radium-228	1.42E+03	1.31E+02	1.63E+02	pCi/kg	
1207	587159011	7/25/2022	Ruthenium-103	3.29E+01	1.91E+01	6.96E+01	pCi/kg	U
1207	587159011	7/25/2022	Ruthenium-106	-1.08E+02	1.30E+02	3.98E+02	pCi/kg	U
1207	587159011	7/25/2022	Selenium-75	-1.17E+01	1.74E+01	5.40E+01	pCi/kg	U
1207	587159011	7/25/2022	Silver-108m	-6.86E+00	1.12E+01	3.67E+01	pCi/kg	U
1207	587159011	7/25/2022	Silver-110m	1.19E+01	1.78E+01	6.31E+01	pCi/kg	U
1207	587159011	7/25/2022	Strontium-89	1.13E+02	9.39E+01	2.92E+02	pCi/kg	U
1207	587159011	7/25/2022	Strontium-90	8.99E+01	5.49E+01	2.32E+02	pCi/kg	U
1207	587159011	7/25/2022	Tellurium-132	1.25E+03	1.35E+03	4.59E+03	pCi/kg	U
1207	587159011	7/25/2022	Thallium-208	3.62E+02	3.69E+01	5.10E+01	pCi/kg	
1207	587159011	7/25/2022	Thorium-228	1.31E+03	5.67E+01	7.36E+01	pCi/kg	
1207	587159011	7/25/2022	Thorium-230	9.86E+02	8.98E+01	8.64E+01	pCi/kg	
1207	587159011	7/25/2022	Thorium-232	1.42E+03	1.31E+02	1.63E+02	pCi/kg	
1207	587159011	7/25/2022	Thorium-234	1.47E+02	6.39E+02	2.19E+03	pCi/kg	U
1207	587159011	7/25/2022	Uranium-234	9.86E+02	8.98E+01	8.64E+01	pCi/kg	
1207	587159011	7/25/2022	Zinc-65	2.65E+01	4.17E+01	1.28E+02	pCi/kg	U
1207	587159011	7/25/2022	Zirconium-95	3.87E+00	3.05E+01	1.05E+02	pCi/kg	U
1215	587159008	7/25/2022	Actinium-228	7.37E+02	9.94E+01	1.48E+02	pCi/kg	
1215	587159008	7/25/2022	Americium-241	4.92E+01	6.22E+01	2.07E+02	pCi/kg	U
1215	587159008	7/25/2022	Antimony-124	3.06E+01	2.97E+01	1.13E+02	pCi/kg	U
1215	587159008	7/25/2022	Antimony-125	-1.32E+01	3.39E+01	1.10E+02	pCi/kg	U
1215	587159008	7/25/2022	Barium-140	-2.09E+02	1.66E+02	4.19E+02	pCi/kg	U
1215	587159008	7/25/2022	Beryllium-7	6.11E+02	2.36E+02	4.52E+02	pCi/kg	UI
1215	587159008	7/25/2022	Bismuth-214	6.18E+02	6.87E+01	8.46E+01	pCi/kg	
1215	587159008	7/25/2022	Cerium-141	-4.88E+01	2.89E+01	8.59E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Browns Ferry

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

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
1215	587159008	7/25/2022	Cerium-144	5.48E+01	6.58E+01	2.24E+02	pCi/kg	U
1215	587159008	7/25/2022	Cesium-134	5.00E+01	1.74E+01	5.33E+01	pCi/kg	U
1215	587159008	7/25/2022	Cesium-137	8.75E+01	3.62E+01	5.11E+01	pCi/kg	M
1215	587159008	7/25/2022	Chromium-51	-1.14E+02	1.51E+02	4.92E+02	pCi/kg	U
1215	587159008	7/25/2022	Cobalt-57	-3.16E+00	8.73E+00	2.85E+01	pCi/kg	U
1215	587159008	7/25/2022	Cobalt-58	3.44E+00	1.18E+01	3.64E+01	pCi/kg	U
1215	587159008	7/25/2022	Cobalt-60	6.17E+00	1.40E+01	4.71E+01	pCi/kg	U
1215	587159008	7/25/2022	Iodine-131	1.60E+01	7.77E+01	2.64E+02	pCi/kg	U
1215	587159008	7/25/2022	Iron-59	-3.38E+01	3.91E+01	1.08E+02	pCi/kg	U
1215	587159008	7/25/2022	Lanthanum-140	-1.44E+02	5.58E+01	1.21E+02	pCi/kg	U
1215	587159008	7/25/2022	Lead-210	2.74E+03	2.81E+03	5.27E+03	pCi/kg	U
1215	587159008	7/25/2022	Lead-212	6.87E+02	4.66E+01	6.19E+01	pCi/kg	
1215	587159008	7/25/2022	Lead-214	8.71E+02	7.95E+01	2.41E+02	pCi/kg	
1215	587159008	7/25/2022	Manganese-54	2.14E+01	1.37E+01	5.06E+01	pCi/kg	U
1215	587159008	7/25/2022	Molybdenum-99	-2.83E+04	3.26E+04	8.74E+04	pCi/kg	U
1215	587159008	7/25/2022	Niobium-95	-1.44E+01	1.77E+01	5.66E+01	pCi/kg	U
1215	587159008	7/25/2022	Potassium-40	3.36E+03	4.28E+02	4.55E+02	pCi/kg	
1215	587159008	7/25/2022	Radium-226	6.18E+02	6.87E+01	8.46E+01	pCi/kg	
1215	587159008	7/25/2022	Radium-228	7.37E+02	9.94E+01	1.48E+02	pCi/kg	
1215	587159008	7/25/2022	Ruthenium-103	1.25E+00	1.85E+01	6.05E+01	pCi/kg	U
1215	587159008	7/25/2022	Ruthenium-106	-2.10E+02	1.68E+02	4.27E+02	pCi/kg	U
1215	587159008	7/25/2022	Selenium-75	-1.16E+01	1.93E+01	5.83E+01	pCi/kg	U
1215	587159008	7/25/2022	Silver-108m	-1.37E+00	1.07E+01	3.48E+01	pCi/kg	U
1215	587159008	7/25/2022	Silver-110m	1.75E+00	1.75E+01	5.86E+01	pCi/kg	U
1215	587159008	7/25/2022	Strontium-89	1.04E+02	4.15E+01	1.15E+02	pCi/kg	U
1215	587159008	7/25/2022	Strontium-90	-6.91E+01	2.77E+01	1.15E+02	pCi/kg	U
1215	587159008	7/25/2022	Tellurium-132	1.30E+03	1.38E+03	4.55E+03	pCi/kg	U
1215	587159008	7/25/2022	Thallium-208	2.58E+02	3.02E+01	4.17E+01	pCi/kg	
1215	587159008	7/25/2022	Thorium-228	6.87E+02	4.66E+01	6.19E+01	pCi/kg	
1215	587159008	7/25/2022	Thorium-230	6.18E+02	6.87E+01	8.46E+01	pCi/kg	
1215	587159008	7/25/2022	Thorium-232	7.37E+02	9.94E+01	1.48E+02	pCi/kg	
1215	587159008	7/25/2022	Thorium-234	4.60E+02	9.63E+02	1.62E+03	pCi/kg	U
1215	587159008	7/25/2022	Uranium-234	6.18E+02	6.87E+01	8.46E+01	pCi/kg	
1215	587159008	7/25/2022	Zinc-65	-3.85E+00	3.03E+01	8.43E+01	pCi/kg	U
1215	587159008	7/25/2022	Zirconium-95	-1.50E+01	2.92E+01	9.51E+01	pCi/kg	U

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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.

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.

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

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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 2022. 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			
5	W-3	15.7	15.7	14.2	17.1	20.2	ND	ND	ND	ND	62.9	67.3	ND
1	NW-3	15.2	15.7	12.2	13.1	22.2	ND	ND	ND	ND	60.7	63.2	ND
67	NW-2	17.3	16.2	17.8	20.6	21.2	ND	ND	ND	ND	69.2	75.8	ND
69	NNW-3	17.2	14.7	19.4	18.6	20.7	ND	ND	ND	ND	68.7	73.4	ND
38	N-2	15.3	14.2	15.3	19.6	17.8	ND	ND	ND	ND	61.1	66.9	ND
40	NNE-3	15.3	14.7	14.2	18.6	18.3	ND	ND	ND	ND	61.0	65.8	ND
42	NE-2	18.1	17.2	16.3	18.1	21.2	ND	ND	ND	ND	72.4	72.8	ND
43	ENE-2	17.4	12.8	16.3	21.6	20.2	ND	ND	ND	ND	69.5	70.9	ND
45	E-2	17.6	18.6	17.8	18.6	20.7	ND	ND	ND	ND	70.3	75.8	ND
47	ESE-2	17.3	17.7	17.8	19.1	19.7	ND	ND	ND	ND	69.3	74.3	ND
9	ENE-1	19.4	19.6	18.8	20.1	23.2	ND	ND	ND	ND	77.7	81.8	ND
44	E-1	21.6	20.1	19.9	20.6	22.7	ND	ND	ND	ND	86.3	83.3	ND
46	ESE-1	18.4	15.7	17.8	20.6	24.7	ND	ND	ND	ND	73.7	78.8	ND
48	SE-1	19.7	17.2	17.3	22.6	20.7	ND	ND	ND	ND	79.0	77.8	ND
39	NNE-2	19.6	21.6	20.9	22.6	23.7	ND	ND	ND	ND	78.3	88.8	ND
41	NE-1	20.5	21.1	20.4	22.6	22.2	ND	ND	ND	ND	81.9	86.3	ND
8	NNE-1	19.1	18.1	17.8	19.1	18.3	ND	ND	ND	ND	76.5	73.3	ND
7	N-1	20.5	21.1	19.4	22.6	22.7	ND	ND	ND	ND	81.9	85.7	ND
75	N-1A	20.8	20.6	22.4	24.1	27.2	ND	ND	ND	ND	83.3	94.3	ND
68	NNW-1	17.9	18.1	17.3	18.1	22.2	ND	ND	ND	ND	71.4	75.8	ND
10	NNW-2	19.1	18.1	16.3	21.6	25.7	ND	ND	ND	ND	76.6	81.7	ND
66	NW-1	14.1	13.7	12.7	14.6	18.3	ND	ND	ND	ND	56.5	59.3	ND
2	NE-3	16.3	13.7	13.7	17.1	20.7	ND	ND	ND	ND	65.1	65.3	ND
6	E-3	17.3	15.2	14.7	20.6	19.7	ND	ND	ND	ND	69.1	70.3	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			
			3	SSE-2	15.3	12.3	14.7	15.1	16.8	ND			
49	SE-2	17.2	15.2	17.3	19.1	19.2	ND	ND	ND	ND	69.0	70.9	ND
50	SSE-1	16.6	14.7	16.3	19.1	19.7	ND	ND	ND	ND	66.5	69.8	ND
52	S-2	14.9	13.7	15.3	13.1	16.8	ND	ND	ND	ND	59.5	58.9	ND
56	SW-2	16.7	17.7	17.8	16.1	18.7	ND	ND	ND	ND	67.0	70.3	ND
54	SSW-2	16.4	13.7	16.8	17.6	17.8	ND	ND	ND	ND	65.4	65.9	ND
51	S-1	16.5	17.7	15.3	18.1	21.7	ND	ND	ND	ND	66.0	72.7	ND
53	SSW-1	14.8	15.7	14.2	15.1	15.8	ND	ND	ND	ND	59.3	60.8	ND
55	SW-1	15.7	11.3	12.2	13.6	13.8	ND	ND	ND	ND	62.8	50.9	ND
59	WSW-2	17.2	14.2	17.3	19.6	17.8	ND	ND	ND	ND	68.9	68.9	ND
62	W-2	15.3	15.7	13.7	16.1	17.3	ND	ND	ND	ND	61.2	62.8	ND
58	WSW-1	14.4	15.2	15.8	16.6	17.3	ND	ND	ND	ND	57.5	64.9	ND
61	W-1	16.9	17.7	13.2	17.6	18.7	ND	ND	ND	ND	67.8	67.2	ND
64	WNW-1	16.5	14.2	15.8	19.6	15.8	ND	ND	ND	ND	65.9	65.4	ND
65	WNW-2	16.7	18.1	17.3	18.1	16.8	ND	ND	ND	ND	67.0	70.3	ND
60	WSW-3	15.4	15.2	12.7	13.6	14.3	ND	ND	ND	ND	61.6	55.8	ND

MDD_Q = Quarterly Minimum Differential Dose = 8.9 mrem
MDD_A = Annual Minimum Differential Dose = 26.9 mrem
ND = Not Detected, where M_Q ≤ (B_Q + MDD_Q) or M_A ≤ (B_A + MDD_A)