LMS/RFS/51691

Rocky Flats Site, Colorado, Surface Water Configuration Adaptive Management Plan Quarterly Report

Second Quarter Calendar Year 2025

July 2025

U.S. DEPARTMENT OF ENERGY | Legacy Management

This document has been designed for online viewing.

Contents

Tables

Abbreviations

AMP	Adaptive Management Plan
COU	Central Operable Unit
CY	calendar year
DOE	U.S. Department of Energy
EA	Environmental Assessment
GEMS	Geospatial Environmental Mapping System
POC	Point of Compliance
POE	Point of Evaluation

1.0 Introduction

The Proposed Action assessed in the *Rocky Flats Site, Colorado, Surface Water Configuration Environmental Assessment* (DOE 2011), hereafter referred to as the Environmental Assessment (EA), is to breach the remaining retention pond dams at the Rocky Flats Site, Colorado, to allow surface water flow to return to the approximate conditions that prevailed before the retention ponds were constructed. As stated in the EA, based on extensive water quality monitoring data and a thorough environmental review, the U.S. Department of Energy (DOE) Office of Legacy Management has determined that the Proposed Action does not present a significant impact on the environment under the National Environmental Policy Act evaluation criteria.

Public comments received during the EA process requested that additional information be collected before the final steps of the Proposed Action to help reduce uncertainty about whether completion of the Proposed Action will adversely impact the quality of water flowing from the Site into downstream community watersheds. In response, DOE initiated a cooperative effort with neighboring community representatives and other interested stakeholders to develop and implement an Adaptive Management Plan (AMP) to provide additional information. The AMP group is composed of these representatives and stakeholders. The resulting AMP, the *Surface Water Configuration Adaptive Management Plan for the Rocky Flats Site, Colorado* (DOE 2023), first published in 2011, reflects DOE's long-term commitment to implementing the activities presented in the AMP.

The AMP provides a monitoring and data evaluation program to assist in deciding when to implement the final steps of the Proposed Action, which include breaching the terminal dams. The terminal dams will be operated in a flow-through condition until the completion of the Proposed Action, which will provide data similar to what can be expected postbreach. In addition to the monitoring program, the AMP identifies certain performance indicators that DOE will consider in deciding whether to adjust the time frame for completing the Proposed Action.

This AMP Quarterly Report for the second quarter of calendar year (CY) 2025 is provided in accordance with Section 5.0, "Reporting," of the AMP. Section 3.0 of this report describes the second quarter data summary tables, which include all validated analytical data for the AMP monitoring objectives that were available as of June 30, 2025. Subsequent AMP reports will include data that were not tabulated in previous AMP reports.

AMP monitoring objectives, locations, and sampling criteria are itemized in Table 2 of the AMP. Additional field implementation for the AMP monitoring objectives can be found in the *Additional Field Implementation Detail for Selected Monitoring Objectives at the Rocky Flats Site, Colorado* (DOE 2022).

This report routinely includes analytical data for the following AMP monitoring objectives:

- Predischarge sampling (Item 1, AMP Table 2)
- Targeted groundwater monitoring (Item 2, AMP Table 2)
- Monitoring to evaluate flow-through operations at terminal Ponds A-4, B-5, and C-2 (Item 4, AMP Table 2)
- Storm-event monitoring (Item 5, AMP Table 2)

- Continuous flow-paced composite sampling to evaluate uranium transport (Item 6, AMP Table 2)
- Grab sampling for uranium in North and South Walnut Creeks (Item 7, AMP Table 2)
- Grab sampling for nitrate + nitrite as nitrogen in North Walnut Creek (Item 8, AMP Table 2)

2.0 AMP Highlights: Second Quarter CY 2025

- During the quarter, 82 samples were collected in support of AMP monitoring objectives.
- One informal email was transmitted to AMP participants providing notification of a reportable condition for the 12-month rolling average uranium concentration on April 30, 2025, at Point of Evaluation (POE) GS10.
- Seven informal emails were transmitted to AMP participants providing notification that composite samples had been retrieved from the Points of Compliance (POCs): Woman Creek at the Central Operable Unit (COU) boundary and Walnut Creek at the COU boundary.
- Five informal emails were transmitted to AMP participants providing notification that recent analytical data from the POCs had been validated and would soon be available through the web-based Geospatial Environmental Mapping System (GEMS).
- Two informal emails were transmitted to AMP participants providing notification of individual analytical results from POCs and POEs that were above the applicable surface water standard in Attachment 2, Table 1, in the *Rocky Flats Legacy Management Agreement* (CDPHE et al. 2007), which was revised in 2018.

3.0 Analytical Data: Second Quarter CY 2025

Analytical data for the second quarter of CY 2025 are provided in Tables 1 and 2 (at the end of this report). Table 1 provides the analytical results, and Table 2 lists the water sampling events during the quarter.

4.0 References

CDPHE (Colorado Department of Public Health and Environment), DOE (U.S. Department of Energy), and EPA (U.S. Environmental Protection Agency), 2007. *Rocky Flats Legacy Management Agreement*, executed on March 14, Attachment 2 updated December 2018.

DOE (U.S. Department of Energy), 2011. *Rocky Flats Site, Colorado, Surface Water Configuration Environmental Assessment*, DOE/EA-1747, LMS/RFS/S06335, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2022. *Additional Field Implementation Detail for Selected Monitoring Objectives at the Rocky Flats Site, Colorado*, LMS/RFS/S08202-4.0, Office of Legacy Management, September.

DOE (U.S. Department of Energy), 2023. *Surface Water Configuration Adaptive Management Plan for the Rocky Flats Site, Colorado*, LMS/RFS/S07698, Rev. 6, Office of Legacy Management, September.

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS REGISTRY NUMBER	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
00193	WL	10/22/24	RFS01-10.2410071-054	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	D	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	D	0.28		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	D	0.24		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	71-43-2	Benzene	N	0.14	ug/L	U	D	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	75-25-2	Bromoform	N	0.25	ug/L	U	D	0.25		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	D	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	108-90-7	Chlorobenzene	N	0.092	ug/L	U	D	0.092		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	74-87-3	Chloromethane	N	0.23	ug/L	U	D	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	100-41-4	Ethylbenzene	N	0.14	ug/L	U	D	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	D	0.53		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	91-20-3	Naphthalene	N	0.99	ug/L	U	D	0.99		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	100-42-5	Styrene	N	0.13	ug/L	U	D	0.13		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	1330-20-7	Total Xylenes	N	0.11	ug/L	U	D	0.11		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	7440-61-1	Uranium	Y	82	ug/L		D	0.03		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-054	75-01-4	Vinyl chloride	N	0.23	ug/L	U	D	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	7440-61-1	Uranium	Y	82	ug/L		F	0.03		FQ	G	STD
00193	WL	10/22/24	RFS01-10.2410071-036	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS REGISTRY NUMBER	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
00997	WL	12/9/24	RFS01-10.2412073-005	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.22	mg/L		F	0.044		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	100-42-5	Styrene	N	0.13	ug/L	U N	F	0.13		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	7440-61-1	Uranium	Y	23	ug/L	W	F	0.03		FQ	G	STD
00997	WL	12/9/24	RFS01-10.2412073-005	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10304	WL	10/22/24	RFS01-10.2410071-035	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.052	mg/L	J	F	0.044		F	G	STD
10304	WL	10/22/24	RFS01-10.2410071-035	7440-61-1	Uranium	Y	15	ug/L		F	0.03		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	79-01-6	Trichloroethene	N	1.2	ug/L		F	0.3		F	G	STD
10304	WL	11/5/24	RFS01-10.2410072-002	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		F	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FJQ	G	STD

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS REGISTRY NUMBER	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
42505	WL	10/21/24	RFS01-10.2410071-050	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	156-59-2	cis-1,2-Dichloroethene	N	0.72	ug/L	J	F	0.32		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
42505	WL	10/21/24	RFS01-10.2410071-050	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
A1EFF	SL	3/3/25	RFS01-04.2503150-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L		F	1.2			G	STD
A1EFF	SL	3/3/25	RFS01-04.2503150-004	7440-61-1	Uranium	N	49	ug/L		F	0.25			G	STD
A1EFF	SL	3/31/25	RFS01-13.2503130-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.6	mg/L		F	0.12			G	STD
A1EFF	SL	3/31/25	RFS01-13.2503130-005	7440-61-1	Uranium	N	14	ug/L		F	0.25			G	STD
A1EFF	SL	4/15/25	RFS01-04.2504152-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.072	mg/L	J	F	0.06			G	STD
A2EFF	SL	3/31/25	RFS01-13.2503130-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	5.3	mg/L		F	0.3			G	STD
A2EFF	SL	3/31/25	RFS01-13.2503130-006	7440-61-1	Uranium	N	16	ug/L		F	0.25			G	STD
A2EFF	SL	4/15/25	RFS01-04.2504152-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.07	mg/L	J	F	0.06			G	STD
A3EFF	SL	3/31/25	RFS01-13.2503130-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.5	mg/L		F	0.3		J	G	STD
A3EFF	SL	3/31/25	RFS01-13.2503130-014	7440-61-1	Uranium	N	14	ug/L		F	0.25			G	STD
B3OUTFLOW	SL	3/31/25	RFS01-13.2503130-009	7440-61-1	Uranium	N	22	ug/L		F	0.25			G	STD
B5INFLOW	SL	3/31/25	RFS01-13.2503130-010	7440-61-1	Uranium	N	17	ug/L		F	0.25			G	STD
GS10	SL	12/4/24	RFS01-04.2412146-011	7440-61-1	Uranium	N	24	ug/L		F	0.03			G	STD
GS10	SL	12/31/24	RFS01-06.2412037-009	7440-61-1	Uranium	N	25	ug/L		F	0.03			G	STD
GS10	SL	1/30/25	RFS01-04.2501148-011	7440-61-1	Uranium	N	32	ug/L		F	0.25			G	STD
GS10	SL	3/3/25	RFS01-04.2503150-011	7440-61-1	Uranium	N	26	ug/L		F	0.25			G	STD
GS10	SL	3/31/25	RFS01-13.2503130-008	7440-61-1	Uranium	N	21	ug/L		F	0.25			G	STD
GS13	SL	1/16/25	RFS01-04.2501147-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	25	mg/L		F	1.2			G	STD
GS13	SL	1/30/25	RFS01-04.2501148-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	23	mg/L		F	3		J	G	STD
GS13	SL	1/30/25	RFS01-04.2501148-013	7440-61-1	Uranium	N	86	ug/L		F	0.25			G	STD
GS13	SL	2/20/25	RFS01-04.2502149-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	27	mg/L		F	1.2			G	STD
GS13	SL	3/3/25	RFS01-04.2503150-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	19	mg/L		F	3			G	STD
GS13	SL	3/3/25	RFS01-04.2503150-013	7440-61-1	Uranium	N	55	ug/L		F	0.25			G	STD
GS13	SL	3/18/25	RFS01-04.2503151-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L		F	3			G	STD
GS13	SL	3/31/25	RFS01-13.2503130-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.5	mg/L		F	0.6			G	STD
GS13	SL	3/31/25	RFS01-13.2503130-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.8	mg/L		D	0.6			G	STD
GS13	SL	3/31/25	RFS01-13.2503130-004	7440-61-1	Uranium	N	15	ug/L		F	0.25			G	STD
GS13	SL	3/31/25	RFS01-13.2503130-011	7440-61-1	Uranium	N	15	ug/L		D	0.25			G	STD
GS13	SL	4/15/25	RFS01-04.2504152-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	4.1	mg/L		D	0.3			G	STD
GS13	SL	4/15/25	RFS01-04.2504152-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.8	mg/L		F	0.3			G	STD
GS31	SL	1/6/25	RFS01-13.2503128-010	14596-10-2	Americium-241	N	0.00647	pCi/L	U	F		0.00843		C	GEN
GS31	SL	1/6/25	RFS01-13.2503128-010	PU-239,240	Plutonium-239, 240	N	0.011	pCi/L	U	F		0.00808		C	GEN
GS31	SL	1/6/25	RFS01-13.2503128-010	7440-61-1	Uranium	N	13	ug/L		F	0.067			C	GEN
GS31	SL	2/24/25	RFS01-13.2504131-010	14596-10-2	Americium-241	N	0.0097	pCi/L	U	F		0.0137		G	GEN
GS31	SL	2/24/25	RFS01-13.2504131-010	PU-239,240	Plutonium-239, 240	N	0.00596	pCi/L	U	F		0.0101		G	GEN
GS31	SL	2/24/25	RFS01-13.2504131-010	7440-61-1	Uranium	N	14.6	ug/L		F	0.067			G	GEN
GS31	SL	4/2/25	RFS01-13.2505133-010	14596-10-2	Americium-241	N	0.0107	pCi/L	U	F		0.00914		C	GEN
GS31	SL	4/2/25	RFS01-13.2505133-010	PU-239,240	Plutonium-239, 240	N	0.0105	pCi/L	U	F		0.011		C	GEN
GS31	SL	4/2/25	RFS01-13.2505133-010	7440-61-1	Uranium	N	13.9	ug/L		F	0.067			C	GEN
SPOUT	TS	8/29/24	RFS01-04.2408140-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.1	mg/L		F	0.044			G	STD
SPOUT	TS	8/29/24	RFS01-04.2408140-015	7440-61-1	Uranium	N	50	ug/L		F	0.03			G	STD
SPOUT	TS	9/11/24	RFS01-04.2409141-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	9/30/24	RFS01-04.2410142-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	9/30/24	RFS01-04.2410142-015	7440-61-1	Uranium	N	50	ug/L		F	0.03			G	STD
SPOUT	TS	10/17/24	RFS01-04.2410143-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.23	mg/L		F	0.044			G	STD
SPOUT	TS	10/31/24	RFS01-04.2410144-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	10/31/24	RFS01-04.2410144-015	7440-61-1	Uranium	N	51	ug/L		F	0.03			G	STD

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS REGISTRY NUMBER	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SPOUT	TS	11/18/24	RFS01-04.2411145-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.05	mg/L	J	F	0.044			G	STD
SPOUT	TS	12/4/24	RFS01-04.2412146-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	12/4/24	RFS01-04.2412146-015	7440-61-1	Uranium	N	51	ug/L		F	0.03			G	STD
SPOUT	TS	12/16/24	RFS01-06.2412036-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	12/31/24	RFS01-06.2412037-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.047	mg/L	J	F	0.044			G	STD
SPOUT	TS	12/31/24	RFS01-06.2412037-013	7440-61-1	Uranium	N	54	ug/L		F	0.03			G	STD
SPOUT	TS	1/16/25	RFS01-04.2501147-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.3	mg/L		F	0.06			G	STD
SPOUT	TS	1/30/25	RFS01-04.2501148-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.06	mg/L	U	F	0.06			G	STD
SPOUT	TS	1/30/25	RFS01-04.2501148-015	7440-61-1	Uranium	N	56	ug/L		F	0.25			G	STD
SPOUT	TS	3/3/25	RFS01-04.2503150-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.19	mg/L	J	F	0.06			G	STD
SPOUT	TS	3/3/25	RFS01-04.2503150-015	7440-61-1	Uranium	N	50	ug/L		F	0.25			G	STD
SPOUT	TS	3/18/25	RFS01-04.2503151-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.06	mg/L	U	F	0.06			G	STD
SPOUT	TS	3/31/25	RFS01-13.2503130-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.06	mg/L	U	F	0.06			G	STD
SPOUT	TS	3/31/25	RFS01-13.2503130-002	7440-61-1	Uranium	N	47	ug/L		F	0.25			G	STD
SPOUT	TS	4/15/25	RFS01-04.2504152-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.28	mg/L		F	0.06			G	STD
SW093	SL	9/30/24	RFS01-04.2410142-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SW093	SL	9/30/24	RFS01-04.2410142-016	7440-61-1	Uranium	N	3.9	ug/L		F	0.03			G	STD
SW093	SL	10/17/24	RFS01-04.2410143-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SW093	SL	10/31/24	RFS01-04.2410144-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SW093	SL	10/31/24	RFS01-04.2410144-016	7440-61-1	Uranium	N	5.4	ug/L		F	0.03			G	STD
SW093	SL	11/18/24	RFS01-04.2411145-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.72	mg/L		F	0.044			G	STD
SW093	SL	12/4/24	RFS01-04.2412146-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.59	mg/L		F	0.044			G	STD
SW093	SL	12/4/24	RFS01-04.2412146-016	7440-61-1	Uranium	N	8.1	ug/L		F	0.03			G	STD
SW093	SL	12/16/24	RFS01-06.2412036-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.78	mg/L		F	0.044			G	STD
SW093	SL	12/31/24	RFS01-06.2412037-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2	mg/L		F	0.044			G	STD
SW093	SL	12/31/24	RFS01-06.2412037-014	7440-61-1	Uranium	N	11	ug/L		F	0.03			G	STD
SW093	SL	1/16/25	RFS01-04.2501147-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.8	mg/L		F	0.06			G	STD
SW093	SL	1/30/25	RFS01-04.2501148-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2	mg/L		F	0.06			G	STD
SW093	SL	1/30/25	RFS01-04.2501148-016	7440-61-1	Uranium	N	9.4	ug/L		F	0.25			G	STD
SW093	SL	2/20/25	RFS01-04.2502149-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.64	mg/L		F	0.06		J	G	STD
SW093	SL	3/3/25	RFS01-04.2503150-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.38	mg/L		F	0.06			G	STD
SW093	SL	3/3/25	RFS01-04.2503150-016	7440-61-1	Uranium	N	7.5	ug/L		F	0.25			G	STD
SW093	SL	3/18/25	RFS01-04.2503151-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.11	mg/L	J	F	0.06			G	STD
SW093	SL	3/31/25	RFS01-13.2503130-003	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.27	mg/L		F	0.06			G	STD
SW093	SL	3/31/25	RFS01-13.2503130-003	7440-61-1	Uranium	N	3.5	ug/L		F	0.25			G	STD
SW093	SL	4/15/25	RFS01-04.2504152-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.29	mg/L		F	0.06			G	STD
WALPOC	SL	1/23/25	RFS01-13.2505134-002	14596-10-2	Americium-241	N	0.00896	pCi/L	U	D		0.0104		C	GEN
WALPOC	SL	1/23/25	RFS01-13.2505134-016	14596-10-2	Americium-241	N	0.0084	pCi/L	U	F		0.00851		C	GEN
WALPOC	SL	1/23/25	RFS01-13.2505134-002	PU-239,240	Plutonium-239, 240	N	-0.00139	pCi/L	U	D		0.00979		C	GEN
WALPOC	SL	1/23/25	RFS01-13.2505134-016	PU-239,240	Plutonium-239, 240	N	0.00447	pCi/L	U	F		0.00679		C	GEN
WALPOC	SL	1/23/25	RFS01-13.2505134-002	7440-61-1	Uranium	N	9.57	ug/L		D	0.067			C	GEN
WALPOC	SL	1/23/25	RFS01-13.2505134-016	7440-61-1	Uranium	N	8.91	ug/L		F	0.067			C	GEN
WALPOC	SL	3/31/25	RFS01-13.2503130-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.085	mg/L	J	F	0.06			G	STD
WALPOC	SL	3/31/25	RFS01-13.2503130-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.089	mg/L	J	D	0.06			G	STD
WOMPOC	SL	11/12/24	RFS01-13.2412125-018	14596-10-2	Americium-241	N	0.00448	pCi/L	U	F		0.0113		C	GEN
WOMPOC	SL	11/12/24	RFS01-13.2412125-018	PU-239,240	Plutonium-239, 240	N	-0.00438	pCi/L	U	F		0.0105		C	GEN
WOMPOC	SL	11/12/24	RFS01-13.2412125-018	7440-61-1	Uranium	N	2.25	ug/L		F	0.067			C	GEN
WOMPOC	SL	12/4/24	RFS01-13.2501126-018	14596-10-2	Americium-241	N	-0.00703	pCi/L	U	F		0.0138		C	GEN
WOMPOC	SL	12/4/24	RFS01-13.2501126-018	PU-239,240	Plutonium-239, 240	N	0.00647	pCi/L	U	F		0.0108		C	GEN
WOMPOC	SL	12/4/24	RFS01-13.2501126-018	7440-61-1	Uranium	N	2.31	ug/L		F	0.067			C	GEN
WOMPOC	SL	1/6/25	RFS01-13.2503128-018	14596-10-2	Americium-241	N	0.00277	pCi/L	U	F		0.00769		C	GEN
WOMPOC	SL	1/6/25	RFS01-13.2503128-018	PU-239,240	Plutonium-239, 240	N	0.0119	pCi/L	U	F		0.011		C	GEN
WOMPOC	SL	1/6/25	RFS01-13.2503128-018	7440-61-1	Uranium	N	2.43	ug/L		F	0.067			C	GEN
WOMPOC	SL	2/24/25	RFS01-13.2503129-018	14596-10-2	Americium-241	N	-0.00493	pCi/L	U	F		0.00966		C	GEN
WOMPOC	SL	2/24/25	RFS01-13.2503129-018	PU-239,240	Plutonium-239, 240	N	0.00471	pCi/L	U	F		0.00925		C	GEN
WOMPOC	SL	2/24/25	RFS01-13.2503129-018	7440-61-1	Uranium	N	2.39	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/13/25	RFS01-13.2504131-018	14596-10-2	Americium-241	N	0.00581	pCi/L	U	F		0.0121		C	GEN
WOMPOC	SL	3/13/25	RFS01-13.2504131-018	PU-239,240	Plutonium-239, 240	N	0.00718	pCi/L	U	F		0.00726		C	GEN
WOMPOC	SL	3/13/25	RFS01-13.2504131-018	7440-61-1	Uranium	N	2.29	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/31/25	RFS01-13.2504132-018	14596-10-2	Americium-241	N	0.00645	pCi/L	U	F		0.0076		C	GEN
WOMPOC	SL	3/31/25	RFS01-13.2504132-018	PU-239,240	Plutonium-239, 240	N	0.00103	pCi/L	U	F		0.00879		C	GEN
WOMPOC	SL	3/31/25	RFS01-13.2504132-018	7440-61-1	Uranium	N	2.57	ug/L		F	0.067			C	GEN
WOMPOC	SL	4/15/25	RFS01-13.2505133-018	14596-10-2	Americium-241	N	0.0156	pCi/L	U	F		0.012		C	GEN
WOMPOC	SL	4/15/25	RFS01-13.2505133-018	PU-239,240	Plutonium-239, 240	N	0.00457	pCi/L	U	F		0.00709		C	GEN
WOMPOC	SL	4/15/25	RFS01-13.2505133-018	7440-61-1	Uranium	N	2.81	ug/L		F	0.067			C	GEN
WOMPOC	SL	4/29/25	RFS01-13.2505134-001	14596-10-2	Americium-241	N	2.08E-09	pCi/L	U	D		0.0115		C	GEN
WOMPOC	SL	4/29/25	RFS01-13.2505134-018	14596-10-2	Americium-241	N	0.00571	pCi/L	U	F		0.00744		C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS REGISTRY NUMBER	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WOMPOC	SL	4/29/25	RFS01-13.2505134-001	PU-239,240	Plutonium-239, 240	N	0.0023	pCi/L	U	D		0.0101		C	GEN
WOMPOC	SL	4/29/25	RFS01-13.2505134-018	PU-239,240	Plutonium-239, 240	N	0.00649	pCi/L	U	F		0.00919		C	GEN
WOMPOC	SL	4/29/25	RFS01-13.2505134-001	7440-61-1	Uranium	N	2	ug/L		D	0.067			C	GEN
WOMPOC	SL	4/29/25	RFS01-13.2505134-018	7440-61-1	Uranium	N	2.05	ug/L		F	0.067			C	GEN

EXPLANATION

FILTRATION STATUS
N = Sample was not filtered.
Y = Sample was filtered.

UNITS
mg/L; ppm = milligrams per liter
pCi/L = picocuries per liter
ug/L = micrograms per liter
C = degrees celsius
mS/cm = milliSiemens per centimeter
NTU = normal turbidity units
s.u. = standard pH units
uS/cm = microSiemens per centimeter
umhos/cm = microSiemens per centimeter

SAMPLE_TYPE
F = Field Sample
D = Duplicate

DATA_VALIDATION_QUALIFIERS

<blank>	No qualifiers needed for result.
F	Low flow sampling method used.
G	Possible grout contamination, pH > 9.
J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.
Q	Qualitative result due to sampling technique.
R	Unusable result.
U	Parameter analyzed for but was not detected.
X	Location is undefined.
999	Validation not complete.

LAB_QUALIFIERS

<blank>	No qualifiers needed for result.
*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

LOCATION_TYPE

SL	Surface location
TS	Treatment system
WL	Well

LAB_CODE

GEN	Gel Laboratories
STD	Test America

COLLECTION_METHOD

G	Grab
C	Composite

Table 2. Water Sampling Events: Second Quarter CY 2025

Location Code	Sampling Dates		Sample Information			Analytes					Sample Tracking Information
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Sample ID
GS11	5/8/2024 12:13	5/12/2025 11:58	composite	F	No		X		X		RFS01-05.2505060-004
GS08	5/8/2024 12:46	5/8/2025 12:16	composite	D	No		X		X		RFS01-05.2505060-001
GS08	5/8/2024 12:46	5/8/2025 12:16	composite	F	No		X		X		RFS01-05.2505060-003
B5INFLOW	1/6/2025 9:53	4/29/2025 14:10	composite	F	No		X				RFS01-04.2505154-008
GS12	1/6/2025 10:55	4/30/2025 12:58	composite	F	No		X				RFS01-04.2505154-001
WALPOC	1/23/2025 11:24	5/8/2025 12:02	composite	D	No		X		X		RFS01-13.2505134-002
WALPOC	1/23/2025 11:24	5/8/2025 12:02	composite	F	No		X		X		RFS01-13.2505134-016
GS31	2/24/2025 12:57	4/2/2025 12:50	composite	F	No		X		X		RFS01-13.2504131-010
WOMPOC	3/31/2025 13:49	4/15/2025 12:22	composite	F	No		X		X		RFS01-13.2504132-018
GS31	4/2/2025 12:50	4/29/2025 10:48	composite	F	No		X		X		RFS01-13.2505133-010
11104	4/14/2025 13:22	4/14/2025 13:22	grab	F	Yes		X				RFS01-10.2504075-051
11104	4/14/2025 13:22	4/14/2025 13:22	grab	F	No	X					RFS01-10.2504075-051
00193	4/14/2025 14:15	4/14/2025 14:15	grab	F	Yes		X				RFS01-10.2504075-053
00193	4/14/2025 14:15	4/14/2025 14:15	grab	F	No	X					RFS01-10.2504075-053
10304	4/14/2025 15:25	4/14/2025 15:25	grab	F	Yes		X				RFS01-10.2504075-027
10304	4/14/2025 15:25	4/14/2025 15:25	grab	F	No	X		X			RFS01-10.2504075-027
42505	4/15/2025 9:30	4/15/2025 9:30	grab	F	No	X					RFS01-10.2504075-016
WOMPOC	4/15/2025 12:22	4/29/2025 10:58	composite	F	No		X		X		RFS01-13.2505133-018
GS13	4/15/2025 13:05	4/15/2025 13:05	grab	F	No		X	X			RFS01-10.2504075-032
10594	4/15/2025 13:30	4/15/2025 13:30	grab	F	Yes		X				RFS01-10.2504075-021
10594	4/15/2025 13:30	4/15/2025 13:30	grab	F	No	X		X			RFS01-10.2504075-021
SW093	4/15/2025 14:00	4/15/2025 14:00	grab	F	No			X			RFS01-04.2504152-016
00997	4/15/2025 14:05	4/15/2025 14:05	grab	F	Yes		X				RFS01-10.2504075-028
00997	4/15/2025 14:05	4/15/2025 14:05	grab	F	No	X		X			RFS01-10.2504075-028
GS13	4/15/2025 14:40	4/15/2025 14:40	grab	D	No			X			RFS01-04.2504152-002
GS13	4/15/2025 14:40	4/15/2025 14:40	grab	F	No			X			RFS01-04.2504152-013
SPOUT	4/15/2025 14:40	4/15/2025 14:30	grab	F	No			X			RFS01-04.2504152-015
A1EFF	4/15/2025 14:55	4/15/2025 14:55	grab	F	No			X			RFS01-04.2504152-004
A2EFF	4/15/2025 15:00	4/15/2025 15:00	grab	F	No			X			RFS01-04.2504152-005
89104	4/16/2025 9:10	4/16/2025 9:10	grab	F	No	X					RFS01-10.2504075-035
4087	4/16/2025 9:50	4/16/2025 9:50	grab	F	Yes		X				RFS01-10.2504075-022
4087	4/16/2025 9:50	4/16/2025 9:50	grab	F	No	X		X			RFS01-10.2504075-022
B206989	4/16/2025 10:15	4/16/2025 10:15	grab	F	Yes		X				RFS01-10.2504075-023
B206989	4/16/2025 10:15	4/16/2025 10:15	grab	F	No	X		X			RFS01-10.2504075-023
GS31	4/29/2025 10:48	5/12/2025 10:52	composite	F	No		X		X		RFS01-05.2505060-007
WOMPOC	4/29/2025 10:58	5/7/2025 15:28	composite	D	No		X		X		RFS01-13.2505134-001
WOMPOC	4/29/2025 10:58	5/7/2025 15:28	composite	F	No		X		X		RFS01-13.2505134-018
B5INFLOW	4/29/2025 14:10	5/7/2025 14:31	composite	F	No		X				RFS01-02.2505072-003
GS10	4/30/2025 11:47	4/30/2025 11:47	grab	F	No		X				RFS01-04.2504153-011
B3OUTFLOW	4/30/2025 11:58	4/30/2025 11:58	grab	F	No		X				RFS01-04.2504153-007
GS12	4/30/2025 12:58	5/12/2025 12:57	composite	F	No		X				RFS01-04.2505155-001
A2EFF	4/30/2025 13:30	4/30/2025 13:30	grab	F	No		X				RFS01-04.2504153-005
A1EFF	4/30/2025 13:45	4/30/2025 13:45	grab	F	No		X	X			RFS01-04.2504153-004
GS13	4/30/2025 14:08	4/30/2025 14:08	grab	F	No			X			RFS01-02.2505071-006
GS13	4/30/2025 14:10	4/30/2025 14:10	grab	F	No		X	X			RFS01-04.2504153-013
SPOUT	4/30/2025 14:15	4/30/2025 14:15	grab	F	No		X	X			RFS01-04.2504153-015
SW093	4/30/2025 14:25	4/30/2025 14:25	grab	F	No		X	X			RFS01-04.2504153-016

Table 2. Water Sampling Events: Second Quarter CY 2025

Location Code	Sampling Dates		Sample Information			Analytes					Sample Tracking Information
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Sample ID
B5INFLOW	5/7/2025 14:31	5/22/2025 13:09	composite	F	No		X				RFS01-04.2506156-017
WOMPOC	5/7/2025 15:28	5/15/2025 12:17	composite	F	No		X		X		RFS01-13.2505135-018
WALPOC	5/8/2025 12:02	5/15/2025 12:41	composite	F	No		X		X		RFS01-13.2505135-016
WALPOC	5/8/2025 12:03	5/8/2025 12:03	grab	F	No			X			RFS01-02.2505071-002
GS08	5/8/2025 12:16	5/15/2025 12:53	composite	F	No		X		X		RFS01-13.2505135-006
GS31	5/12/2025 10:52	6/9/2025 12:44	composite	F	No		X		X		RFS01-05.2506061-007
GS11	5/12/2025 11:55	5/12/2025 11:55	grab	F	No			X			RFS01-02.2505071-003
GS11	5/12/2025 11:58	6/9/2025 12:48	composite	F	No		X		X		RFS01-05.2506061-004
GS12	5/12/2025 12:57	5/29/2025 14:13	composite	F	No		X				RFS01-04.2506156-019
WOMPOC	5/15/2025 12:17	5/29/2025 16:15	composite	F	No		X		X		RFS01-13.2506136-018
WALPOC	5/15/2025 12:40	5/15/2025 12:40	grab	F	No			X			RFS01-04.2505155-002
WALPOC	5/15/2025 12:41	6/9/2025 11:56	composite	F	No		X		X		RFS01-13.2506137-016
GS08	5/15/2025 12:53	6/9/2025 12:56	composite	D	No		X		X		RFS01-05.2506061-001
GS08	5/15/2025 12:53	6/9/2025 12:56	composite	F	No		X		X		RFS01-05.2506061-003
SPOUT	5/19/2025 13:45	5/19/2025 13:45	grab	F	No			X			RFS01-04.2505155-015
SW093	5/19/2025 13:11	5/19/2025 13:11	grab	F	No			X			RFS01-04.2505155-016
GS13	5/19/2025 13:17	5/19/2025 13:17	grab	F	No			X			RFS01-04.2505155-013
A1EFF	5/19/2025 13:32	5/19/2025 13:32	grab	F	No			X			RFS01-04.2505155-004
A2EFF	5/19/2025 13:36	5/19/2025 13:36	grab	F	No			X			RFS01-04.2505155-005
GS11	5/19/2025 14:15	5/19/2025 14:15	grab	F	No			X			RFS01-04.2506156-018
B5INFLOW	5/22/2025 13:09	6/11/2025 11:00	composite	F	No		X				RFS01-02.2506074-003
GS10	5/29/2025 11:37	5/29/2025 11:37	grab	F	No		X				RFS01-04.2506156-011
B3OUTFLOW	5/29/2025 11:48	5/29/2025 11:48	grab	F	No		X				RFS01-04.2506156-007
GS11	5/29/2025 12:10	5/29/2025 12:10	grab	F	No		X	X			RFS01-04.2506156-012
GS08	5/29/2025 12:19	5/29/2025 12:19	grab	F	No		X				RFS01-04.2506156-010
SPOUT	5/29/2025 13:05	5/29/2025 13:05	grab	F	No		X	X			RFS01-04.2506156-015
SW093	5/29/2025 13:15	5/29/2025 13:15	grab	F	No		X	X			RFS01-04.2506156-016
GS13	5/29/2025 13:23	5/29/2025 13:23	grab	F	No		X	X			RFS01-04.2506156-013
GS12	5/29/2025 14:13	6/9/2025 10:44	composite	D	No		X				RFS01-02.2506074-002
GS12	5/29/2025 14:13	6/9/2025 10:44	composite	F	No		X				RFS01-02.2506074-004
A3EFF	5/29/2025 14:19	5/29/2025 14:19	grab	F	No		X	X			RFS01-04.2506156-006
B5INFLOW	5/29/2025 14:58	5/29/2025 14:58	grab	F	No		X				RFS01-04.2506156-008
A1EFF	5/29/2025 15:30	5/29/2025 15:30	grab	F	No		X	X			RFS01-04.2506156-004
A2EFF	5/29/2025 15:35	5/29/2025 15:35	grab	F	No		X	X			RFS01-04.2506156-005
WOMPOC	5/29/2025 16:15	6/9/2025 13:26	composite	F	No		X		X		RFS01-13.2506137-018
WALPOC	6/9/2025 11:55	6/9/2025 11:55	grab	F	No			X			RFS01-02.2506074-007
GS11	6/9/2025 12:45	6/9/2025 12:45	grab	F	No			X			RFS01-02.2506074-001
SPIN	6/17/2025 12:55	6/17/2025 12:55	grab	F	No		X				RFS01-07.2506067-007
A1EFF	6/16/2025 12:00	6/16/2025 12:00	grab	F	No			X			RFS01-04.2506157-001
GS11	6/16/2025 12:30	6/16/2025 12:30	grab	F	No			X			RFS01-04.2506157-002
GS13	6/16/2025 11:37	6/16/2025 11:37	grab	F	No			X			RFS01-04.2506157-003
SPIN	6/16/2025 11:00	6/16/2025 11:00	grab	F	No			X			RFS01-04.2506157-004
SPOUT	6/16/2025 11:10	6/16/2025 11:10	grab	F	No			X			RFS01-04.2506157-005
SW093	6/16/2025 11:25	6/16/2025 11:25	grab	F	No			X			RFS01-04.2506157-006

Table 2. Water Sampling Events: Second Quarter CY 2025

Location Code	Sampling Dates		Sample Information			Analytes					Sample Tracking Information
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Sample ID
GS13	6/26/2025 13:25	6/26/2025 13:25	grab	F	No		X	X			RFS01-04.2506158-003
SPIN	6/26/2025 12:52	6/26/2025 12:52	grab	F	No		X	X			RFS01-04.2506158-005
GS10	6/26/2025 11:55	6/26/2025 11:55	grab	F	No		X				RFS01-04.2506158-007
SPOUT	6/26/2025 13:10	6/26/2025 13:10	grab	F	No		X	X			RFS01-04.2506158-008

EXPLANATION

FILTRATION STATUS

No = Sample was not filtered.
Yes = Sample was filtered.

SAMPLE TYPE

F = field sample
D = duplicate

ANALYTES

Pu/Am = plutonium and americium
TSS = total suspended solids
U = uranium
VOC = volatile organic compound