LMS/RFS/49277

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

Third Quarter Calendar Year 2024

October 2024

U.S. DEPARTMENT OF ENERGY | Legacy Management

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Contents

Tables

Abbreviations

AMP	Adaptive Management Plan
CY	calendar year
DOE	U.S. Department of Energy
EA	Environmental Assessment

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.

Some members of the public have commented that additional information should be collected before the final steps of the Proposed Action are implemented 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 to the requests, 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 for 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 third quarter of calendar year (CY) 2024 is provided in accordance with Section 5.0, "Reporting," of the AMP. Section 3.0 of this report describes the third quarter data summary tables, which include all validated analytical data for the AMP monitoring objectives that were available as of September 30, 2024. 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: Third Quarter CY 2024

- During the quarter, 10 samples were collected in support of AMP monitoring objectives.

3.0 Analytical Data: Third Quarter CY 2024

Analytical data for the third quarter of CY 2024 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

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	4/16/24	RFS01-03.2404026-036	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	541-73-1	1,3-Dichlorobenzene	N	0.69	ug/L	J	F	0.33		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	7440-61-1	Uranium	Y	81	ug/L		F	0.03		FQ	G	STD
00193	WL	4/16/24	RFS01-03.2404026-036	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U N	F	0.39		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.09	mg/L	J	F	0.044		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	7440-61-1	Uranium	Y	28	ug/L	B	F	0.03		FQ	G	STD
00997	WL	4/29/24	RFS01-03.2404026-038	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		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
4087	WL	4/30/24	RFS01-03.2404026-013	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	7440-61-1	Uranium	Y	18	ug/L	B	F	0.03		FQ	G	STD
4087	WL	4/30/24	RFS01-03.2404026-013	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	541-73-1	1,3-Dichlorobenzene	N	0.43	ug/L	J	F	0.33		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	541-73-1	1,3-Dichlorobenzene	N	0.44	ug/L	J	D	0.33		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	67-66-3	Chloroform	N	0.39	ug/L	J	F	0.36		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	67-66-3	Chloroform	N	0.36	ug/L	J	D	0.36		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	156-59-2	cis-1,2-Dichloroethene	N	0.39	ug/L	J	F	0.32		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	156-59-2	cis-1,2-Dichloroethene	N	0.51	ug/L	J	D	0.32		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	91-20-3	Naphthalene	N	0.63	ug/L	U	D	0.63		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	D	0.044		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		F	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
10304	WL	4/16/24	RFS01-03.2404026-096	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	79-01-6	Trichloroethene	N	2.3	ug/L		F	0.3		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	79-01-6	Trichloroethene	N	2.4	ug/L		D	0.3		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	7440-61-1	Uranium	Y	15	ug/L		F	0.03		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	7440-61-1	Uranium	Y	15	ug/L		D	0.03		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-035	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		F	G	STD
10304	WL	4/16/24	RFS01-03.2404026-096	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		F	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	95-50-1	1,2-Dichlorobenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	107-06-2	1,2-Dichloroethane	N	0.28	ug/L	U	F	0.28		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	78-87-5	1,2-Dichloropropane	N	0.24	ug/L	U	F	0.24		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	71-43-2	Benzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	75-25-2	Bromoform	N	0.25	ug/L	U	F	0.25		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	56-23-5	Carbon tetrachloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	108-90-7	Chlorobenzene	N	0.092	ug/L	U	F	0.092		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	74-87-3	Chloromethane	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	100-41-4	Ethylbenzene	N	0.14	ug/L	U	F	0.14		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	87-68-3	Hexachlorobutadiene	N	0.53	ug/L	U	F	0.53		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	91-20-3	Naphthalene	N	0.99	ug/L	U	F	0.99		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	100-42-5	Styrene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	1330-20-7	Total Xylenes	N	0.11	ug/L	U	F	0.11		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	7440-61-1	Uranium	Y	63	ug/L	B	F	0.03		FQ	G	STD
10594	WL	5/2/24	RFS01-03.2404026-071	75-01-4	Vinyl chloride	N	0.23	ug/L	U	F	0.23		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		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
11104	WL	4/15/24	RFS01-03.2404026-095	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	91-20-3	Naphthalene	N	0.63	ug/L	U	D	0.63		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	7440-61-1	Uranium	Y	27	ug/L		F	0.03		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	7440-61-1	Uranium	Y	31	ug/L		D	0.03		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-091	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
11104	WL	4/15/24	RFS01-03.2404026-095	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	541-73-1	1,3-Dichlorobenzene	N	2.8	ug/L		F	0.33		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	156-59-2	cis-1,2-Dichloroethene	N	0.58	ug/L	J	F	0.32		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
42505	WL	4/24/24	RFS01-03.2404026-061	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	541-73-1	1,3-Dichlorobenzene	N	0.65	ug/L	J	F	0.33		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		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
89104	WL	4/16/24	RFS01-03.2404026-026	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
89104	WL	4/16/24	RFS01-03.2404026-026	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
A1EFF	SL	4/17/24	RFS01-06.2404032-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.73	mg/L		F	0.044			G	STD
A1EFF	SL	5/14/24	RFS01-04.2405133-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	11	mg/L		F	0.44			G	STD
A1EFF	SL	6/3/24	RFS01-04.2406134-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
A1EFF	SL	6/3/24	RFS01-04.2406134-004	7440-61-1	Uranium	N	9.9	ug/L		F	0.03			G	STD
A2EFF	SL	4/17/24	RFS01-06.2404032-003	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.27	mg/L		F	0.044			G	STD
A2EFF	SL	5/14/24	RFS01-04.2405133-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	8.1	mg/L		F	0.44			G	STD
A3EFF	SL	4/17/24	RFS01-06.2404032-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.099	mg/L	J	F	0.044			G	STD
A3EFF	SL	5/14/24	RFS01-04.2405133-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.6	mg/L		F	0.044			G	STD
B206989	WL	4/30/24	RFS01-03.2404026-014	7440-61-1	Uranium	Y	100	ug/L	*	F	0.03		FQ	G	STD
B3OUTFLOW	SL	6/3/24	RFS01-04.2406134-007	7440-61-1	Uranium	N	7.6	ug/L		F	0.03			G	STD
B5INFLOW	SL	4/17/24	RFS01-02.2404061-003	7440-61-1	Uranium	N	7.4	ug/L		F	0.03			C	STD
B5INFLOW	SL	4/28/24	RFS01-04.2405133-008	7440-61-1	Uranium	N	10	ug/L		F	0.03			G	STD
B5INFLOW	SL	5/13/24	RFS01-04.2406136-008	7440-61-1	Uranium	N	10	ug/L	B	F	0.03			C	STD
B5INFLOW	SL	6/3/24	RFS01-04.2406134-008	7440-61-1	Uranium	N	8	ug/L		F	0.03			G	STD
GS08	SL	4/3/24	RFS01-05.2404057-002	14596-10-2	Americium-241	N	0	pCi/L	U	F		0.00698		C	GEN
GS08	SL	4/3/24	RFS01-05.2404057-002	PU-239,240	Plutonium-239, 240	N	0.00223	pCi/L	U	F		0.00691		C	GEN
GS08	SL	4/3/24	RFS01-05.2404057-002	7440-61-1	Uranium	N	12.6	ug/L		F	0.067			C	GEN
GS08	SL	4/25/24	RFS01-05.2404057-003	14596-10-2	Americium-241	N	0.00418	pCi/L	U	F		0.00581		C	GEN
GS08	SL	4/25/24	RFS01-05.2404057-003	PU-239,240	Plutonium-239, 240	N	0.00842	pCi/L	U	F		0.00759		C	GEN
GS08	SL	4/25/24	RFS01-05.2404057-003	7440-61-1	Uranium	N	10.6	ug/L		F	0.067			C	GEN
GS08	SL	4/28/24	RFS01-05.2405058-003	14596-10-2	Americium-241	N	0.00713	pCi/L	U	F		0.00809		C	GEN
GS08	SL	4/28/24	RFS01-05.2405058-003	PU-239,240	Plutonium-239, 240	N	0.00723	pCi/L	U	F		0.00732		C	GEN
GS08	SL	4/28/24	RFS01-05.2405058-003	7440-61-1	Uranium	N	6.81	ug/L		F	0.067			C	GEN
GS10	SL	4/11/24	RFS01-13.2404118-007	14596-10-2	Americium-241	N	0.00425	pCi/L	U	F		0.00589		C	GEN
GS10	SL	4/11/24	RFS01-13.2404118-007	PU-239,240	Plutonium-239, 240	N	0.00146	pCi/L	U	F		0.0103		C	GEN
GS10	SL	4/11/24	RFS01-13.2404118-007	7440-61-1	Uranium	N	18.6	ug/L		F	0.067			C	GEN
GS10	SL	4/23/24	RFS01-13.2404119-006	14596-10-2	Americium-241	N	0.00196	pCi/L	U	F		0.0192		C	GEN
GS10	SL	4/23/24	RFS01-13.2404119-006	PU-239,240	Plutonium-239, 240	N	0.0127	pCi/L	U	F		0.00885		C	GEN
GS10	SL	4/23/24	RFS01-13.2404119-006	7440-61-1	Uranium	N	10.4	ug/L		F	0.067			C	GEN
GS10	SL	4/27/24	RFS01-13.2404119-007	14596-10-2	Americium-241	N	-0.00248	pCi/L	U	F		0.00971		C	GEN
GS10	SL	4/27/24	RFS01-13.2404119-007	PU-239,240	Plutonium-239, 240	N	0.00542	pCi/L	U	F		0.00996		C	GEN
GS10	SL	4/27/24	RFS01-13.2404119-007	7440-61-1	Uranium	N	4.48	ug/L		F	0.067			C	GEN
GS10	SL	4/29/24	RFS01-13.2405120-007	14596-10-2	Americium-241	N	0.00106	pCi/L	U	F		0.00548		C	GEN
GS10	SL	4/29/24	RFS01-13.2405120-007	PU-239,240	Plutonium-239, 240	N	0.00583	pCi/L	U	F		0.00934		C	GEN
GS10	SL	4/29/24	RFS01-13.2405120-007	7440-61-1	Uranium	N	13.3	ug/L		F	0.067			C	GEN
GS10	SL	5/8/24	RFS01-13.2405121-007	14596-10-2	Americium-241	N	0.00426	pCi/L	U	F		0.00513		C	GEN
GS10	SL	5/8/24	RFS01-13.2405121-007	PU-239,240	Plutonium-239, 240	N	0.0015	pCi/L	U	F		0.00657		C	GEN
GS10	SL	5/8/24	RFS01-13.2405121-007	7440-61-1	Uranium	N	15.7	ug/L		F	0.067			C	GEN
GS10	SL	5/20/24	RFS01-13.2407122-007	14596-10-2	Americium-241	N	0.00696	pCi/L	U	F		0.00705		C	GEN
GS10	SL	5/20/24	RFS01-13.2407122-007	PU-239,240	Plutonium-239, 240	N	0.00768	pCi/L	U	F		0.00871		C	GEN
GS10	SL	5/20/24	RFS01-13.2407122-007	7440-61-1	Uranium	N	13.8	ug/L		F	0.067			C	GEN
GS10	SL	6/3/24	RFS01-04.2406134-011	7440-61-1	Uranium	N	14	ug/L		F	0.03			G	STD
GS11	SL	4/3/24	RFS01-05.2404057-004	14596-10-2	Americium-241	N	0.00701	pCi/L	U	F		0.00859		C	GEN
GS11	SL	4/3/24	RFS01-05.2404057-004	PU-239,240	Plutonium-239, 240	N	0.00782	pCi/L	U	F		0.0125		C	GEN
GS11	SL	4/3/24	RFS01-05.2404057-004	7440-61-1	Uranium	N	9.74	ug/L		F	0.067			C	GEN
GS11	SL	4/3/24	RFS01-06.2404032-018	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.6	mg/L		F	0.044			G	STD
GS11	SL	4/17/24	RFS01-06.2404032-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.94	mg/L		F	0.044			G	STD
GS11	SL	4/25/24	RFS01-05.2404057-005	14596-10-2	Americium-241	N	0.019	pCi/L		F		0.00983	J	C	GEN
GS11	SL	4/25/24	RFS01-05.2404057-005	PU-239,240	Plutonium-239, 240	N	0.0443	pCi/L		F		0.0174	J	C	GEN
GS11	SL	4/25/24	RFS01-05.2404057-005	7440-61-1	Uranium	N	8.84	ug/L		F	0.067			C	GEN
GS11	SL	4/28/24	RFS01-05.2405058-004	14596-10-2	Americium-241	N	0.00576	pCi/L	U	F		0.00932		C	GEN
GS11	SL	4/28/24	RFS01-05.2405058-004	PU-239,240	Plutonium-239, 240	N	0.0254	pCi/L		F		0.0137	J	C	GEN
GS11	SL	4/28/24	RFS01-05.2405058-004	7440-61-1	Uranium	N	5.85	ug/L		F	0.067			C	GEN
GS11	SL	5/8/24	RFS01-04.2405133-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.88	mg/L		F	0.044		J	G	STD
GS12	SL	4/23/24	RFS01-02.2404061-009	7440-61-1	Uranium	N	5.5	ug/L		F	0.03			C	STD
GS12	SL	4/28/24	RFS01-04.2405133-017	7440-61-1	Uranium	N	7.8	ug/L		F	0.03			C	STD
GS12	SL	5/13/24	RFS01-04.2406136-002	7440-61-1	Uranium	N	14	ug/L	B	F	0.03			C	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
GS13	SL	4/17/24	RFS01-06.2404032-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.7	mg/L		F	0.044			G	STD
GS13	SL	4/17/24	RFS01-02.2404061-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.5	mg/L		F	0.044		J	C	STD
GS13	SL	4/17/24	RFS01-02.2404061-006	7440-61-1	Uranium	N	4.8	ug/L		F	0.03			C	STD
GS13	SL	4/28/24	RFS01-04.2405133-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.2	mg/L	H	F	0.22		J	C	STD
GS13	SL	4/28/24	RFS01-04.2405133-013	7440-61-1	Uranium	N	6.8	ug/L		F	0.03			C	STD
GS13	SL	5/13/24	RFS01-04.2406136-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	10	mg/L	H	D	0.22			C	STD
GS13	SL	5/13/24	RFS01-04.2406136-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	11	mg/L	H	F	0.22			C	STD
GS13	SL	5/13/24	RFS01-04.2406136-001	7440-61-1	Uranium	N	11	ug/L	B	D	0.03			C	STD
GS13	SL	5/13/24	RFS01-04.2406136-013	7440-61-1	Uranium	N	10	ug/L	B	F	0.03			C	STD
GS13	SL	5/14/24	RFS01-04.2405133-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	10	mg/L		D	0.44			G	STD
GS13	SL	5/14/24	RFS01-04.2405133-019	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	10	mg/L		F	0.44			G	STD
GS13	SL	6/3/24	RFS01-04.2406134-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.087	mg/L	J	F	0.044			G	STD
GS13	SL	6/3/24	RFS01-04.2406134-005	7440-61-1	Uranium	N	26	ug/L		F	0.03			G	STD
GS13	SL	6/17/24	RFS01-04.2406135-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
GS31	SL	4/3/24	RFS01-05.2404057-007	14596-10-2	Americium-241	N	0.0182	pCi/L		F		0.00983	J	C	GEN
GS31	SL	4/3/24	RFS01-05.2404057-007	PU-239,240	Plutonium-239, 240	N	0.0447	pCi/L		F		0.0148	J	C	GEN
GS31	SL	4/3/24	RFS01-05.2404057-007	7440-61-1	Uranium	N	5.03	ug/L		F	0.067			C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-001	14596-10-2	Americium-241	N	0.0161	pCi/L		D		0.0102	J	C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-008	14596-10-2	Americium-241	N	0.0191	pCi/L		F		0.0116	J	C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-001	PU-239,240	Plutonium-239, 240	N	0.0657	pCi/L		D		0.0179		C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-008	PU-239,240	Plutonium-239, 240	N	0.0752	pCi/L		F		0.0202		C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-001	7440-61-1	Uranium	N	4.51	ug/L		D	0.067			C	GEN
GS31	SL	4/27/24	RFS01-05.2404057-008	7440-61-1	Uranium	N	4.21	ug/L		F	0.067			C	GEN
GS31	SL	4/28/24	RFS01-05.2406059-007	14596-10-2	Americium-241	N	0.01	pCi/L	U	F		0.00967		C	GEN
GS31	SL	4/28/24	RFS01-05.2406059-007	PU-239,240	Plutonium-239, 240	N	0.0318	pCi/L		F		0.0177	J	C	GEN
GS31	SL	4/28/24	RFS01-05.2406059-007	7440-61-1	Uranium	N	5.1	ug/L		F	0.067			C	GEN
SPOUT	TS	4/17/24	RFS01-06.2404032-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.078	mg/L	J	F	0.044			G	STD
SPOUT	TS	5/14/24	RFS01-04.2405133-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	6/3/24	RFS01-04.2406134-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	6/3/24	RFS01-04.2406134-015	7440-61-1	Uranium	N	58	ug/L		F	0.03			G	STD
SPOUT	TS	6/17/24	RFS01-04.2406135-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	7/1/24	RFS01-04.2407137-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		J	G	STD
SPOUT	TS	7/1/24	RFS01-04.2407137-015	7440-61-1	Uranium	N	68	ug/L		F	0.03			G	STD
SPOUT	TS	7/17/24	RFS01-06.2407035-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044		J	G	STD
SPOUT	TS	7/30/24	RFS01-04.2407138-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SPOUT	TS	7/30/24	RFS01-04.2407138-015	7440-61-1	Uranium	N	61	ug/L		F	0.03			G	STD
SW093	SL	4/9/24	RFS01-13.2404119-010	14596-10-2	Americium-241	N	0.00172	pCi/L	U	F		0.00583		C	GEN
SW093	SL	4/9/24	RFS01-13.2404119-010	PU-239,240	Plutonium-239, 240	N	0.0125	pCi/L	U	F		0.0116		C	GEN
SW093	SL	4/9/24	RFS01-13.2404119-010	7440-61-1	Uranium	N	5.3	ug/L		F	0.067			C	GEN
SW093	SL	4/17/24	RFS01-06.2404032-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.5	mg/L		F	0.044			G	STD
SW093	SL	4/27/24	RFS01-05.2405058-001	14596-10-2	Americium-241	N	0.00438	pCi/L	U	F		0.00609		G	GEN
SW093	SL	4/27/24	RFS01-05.2405058-001	PU-239,240	Plutonium-239, 240	N	0	pCi/L	U	F		0.00899		G	GEN
SW093	SL	4/27/24	RFS01-05.2405058-001	7440-61-1	Uranium	N	4.2	ug/L		F	0.067			G	GEN
SW093	SL	5/14/24	RFS01-04.2405133-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	15	mg/L		F	0.88			G	STD
SW093	SL	6/3/24	RFS01-04.2406134-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.8	mg/L		F	0.044			G	STD
SW093	SL	6/3/24	RFS01-04.2406134-016	7440-61-1	Uranium	N	8.7	ug/L		F	0.03			G	STD
SW093	SL	6/17/24	RFS01-04.2406135-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.082	mg/L	J	F	0.044			G	STD
SW093	SL	7/1/24	RFS01-04.2407137-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			G	STD
SW093	SL	7/1/24	RFS01-04.2407137-016	7440-61-1	Uranium	N	4.4	ug/L		F	0.03			G	STD
SW093	SL	7/17/24	RFS01-06.2407035-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.17	mg/L		F	0.044		J	G	STD
WALPOC	SL	4/9/24	RFS01-06.2404032-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.4	mg/L		F	0.044			G	STD
WALPOC	SL	4/29/24	RFS01-13.2405120-016	14596-10-2	Americium-241	N	0.0114	pCi/L	U	F		0.00741		C	GEN
WALPOC	SL	4/29/24	RFS01-13.2405120-016	PU-239,240	Plutonium-239, 240	N	0.0111	pCi/L	U	F		0.00865		C	GEN
WALPOC	SL	4/29/24	RFS01-13.2405120-016	7440-61-1	Uranium	N	6.77	ug/L		F	0.067			C	GEN
WALPOC	SL	5/8/24	RFS01-13.2405121-016	14596-10-2	Americium-241	N	0.00641	pCi/L	U	F		0.00728		C	GEN
WALPOC	SL	5/8/24	RFS01-04.2405133-018	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.09	mg/L	J	F	0.044		J	G	STD
WALPOC	SL	5/8/24	RFS01-13.2405121-016	PU-239,240	Plutonium-239, 240	N	0.00872	pCi/L	U	F		0.0099		C	GEN
WALPOC	SL	5/8/24	RFS01-13.2405121-016	7440-61-1	Uranium	N	9.6	ug/L		F	0.067			C	GEN
WALPOC	SL	5/20/24	RFS01-02.2405062-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.044	mg/L	U	F	0.044			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
WOMPOC	SL	4/29/24	RFS01-13.2405120-018	14596-10-2	Americium-241	N	0.00102	pCi/L	U	F		0.00722		C	GEN
WOMPOC	SL	4/29/24	RFS01-13.2405120-018	PU-239,240	Plutonium-239, 240	N	0.00889	pCi/L	U	F		0.00646		C	GEN
WOMPOC	SL	4/29/24	RFS01-13.2405120-018	7440-61-1	Uranium	N	1.19	ug/L		F	0.067			C	GEN
WOMPOC	SL	5/8/24	RFS01-13.2405121-018	14596-10-2	Americium-241	N	0.0112	pCi/L	U	F		0.00877		C	GEN
WOMPOC	SL	5/8/24	RFS01-13.2405121-018	PU-239,240	Plutonium-239, 240	N	-0.00478	pCi/L	U	F		0.0113		C	GEN
WOMPOC	SL	5/8/24	RFS01-13.2405121-018	7440-61-1	Uranium	N	1.77	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

D = Duplicate
F = Field Sample

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

C	Composite
G	Grab

Table 2. Water Sampling Events: Third Quarter CY 2024

Location Code	Sampling Dates		Sample Info			Analytes					Sample Tracking Info
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Sample ID
SW093	7/1/2024 10:56	7/1/2024 10:56	grab	F	No		X	X			RFS01-04.2407137-016
SPOUT	7/1/2024 11:15	7/1/2024 11:15	grab	F	No		X	X			RFS01-04.2407137-015
SW093	7/17/2024 12:30	7/17/2024 12:30	grab	F	No			X			RFS01-06.2407035-014
SPOUT	7/30/2024 10:45	7/30/2024 10:45	grab	F	No		X	X			RFS01-04.2407138-015
SW093	8/15/2024 10:35	8/15/2024 10:35	grab	F	No			X			RFS01-04.2408139-016
SPOUT	8/15/2024 10:45	8/15/2024 10:45	grab	F	No			X			RFS01-04.2408139-015
SPOUT	8/29/2024 12:35	8/29/2024 12:35	grab	F	No			X			RFS01-04.2408140-015
SPOUT	9/11/2024 12:05	9/11/2024 12:05	grab	F	No			X			RFS01-04.2409141-015
SW093	9/30/2024 10:00	9/30/2024 10:00	grab	F	No		X	X			RFS01-04.2410142-016
SPOUT	9/30/2024 13:16	9/30/2024 13:16	grab	F	No		X	X			RFS01-04.2410142-015

EXPLANATION

FILTRATION STATUS

No = sample was not filtered

Yes = sample was filtered

SAMPLE TYPE

D = duplicate

F = field sample

ANALYTES

Pu/Am = plutonium and americium

TSS = total suspended solids

U = uranium

VOC = volatile organic compound