

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

## **Second Quarter Calendar Year 2018**

**July 2018**



**U.S. DEPARTMENT OF  
ENERGY**

Legacy  
Management

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## Abbreviations

AMP	Adaptive Management Plan
COU	Central Operable Unit
CY	calendar year
DOE	U.S. Department of Energy
EA	<i>Rocky Flats Surface Water Configuration Environmental Assessment</i>
POC	point of compliance
POE	point of evaluation
RFLMA	<i>Rocky Flats Legacy Management Agreement</i>
Site	Rocky Flats Site

## 1.0 Introduction

The Proposed Action assessed in the *Rocky Flats Surface Water Configuration Environmental Assessment* (EA) is to breach the remaining retention pond dams at the Rocky Flats Site, Colorado (the Site), 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 must be collected prior to implementing the final steps of the Proposed Action to help reduce uncertainty as to whether completion of the Proposed Action will adversely impact the quality of water flowing from the Site into downstream communities. 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 reflects DOE's long-term commitment to implementing the activities that the AMP describes.

The AMP provides for a monitoring and data evaluation program to assist DOE in deciding whether to implement the final steps of the Proposed Action by breaching the terminal dams during the planned time frame of 2018–2020, or to delay the completion of the Proposed Action to gather additional information for evaluation. The terminal dams will be operated in a flow-through condition during the period leading up to the completion of the Proposed Action, which will provide data similar to what can be expected post-breath. In addition to the AMP 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) 2018 is provided in accordance with Section 5.0, “Reporting,” in the AMP. Section 3.0 of this report provides the second quarter data summary tables, which include all validated analytical data for the AMP monitoring objectives available as of June 30, 2018. 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 *Additional Field Implementation Detail for Selected Monitoring Objectives at the Rocky Flats Site, Colorado*.

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

- Pre-discharge 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 Walnut Creek (Item 8, AMP Table 2)

## **2.0 AMP Highlights: Second Quarter CY 2018**

- Three informal emails were transmitted to AMP participants providing notification that composite samples had been retrieved from the Points of Compliance (POCs) (WOMPOC—Woman Creek at the Central Operable Unit (COU) boundary and WALPOC—Walnut Creek at COU boundary).
- Three 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 Geospatial Environmental Mapping System (GEMS).
- Five informal emails were transmitted to AMP participants providing notification of individual analytical results from POCs and points of evaluation (POEs) that were above the applicable *Rocky Flats Legacy Management Agreement* (RFLMA) surface water standard (RFLMA Attachment 2, Table 1).
- During the quarter, 102 samples were collected in support of AMP monitoring objectives.

## **3.0 Analytical Data: Second Quarter CY 2018**

Table 1, “Analytical Results for Water Samples,” is available at the end of this report.

Table 2, “Water Sampling Events: Second Quarter CY 2018,” is available at the end of this report.

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
A1EFF	SL	1/31/2018	RFS01-06.1801002-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.9	mg/L		F	0.019		valid	N	STD
A1EFF	SL	1/31/2018	RFS01-06.1801002-001	7440-61-1	Uranium	N	0.025	mg/L		F	0.00005		valid	N	STD
A1EFF	SL	2/14/2018	RFS01-02.1802004-009	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.5	mg/L		F	0.038		valid	N	STD
A1EFF	SL	2/14/2018	RFS01-02.1802004-009	7440-61-1	Uranium	N	0.026	mg/L		F	0.00005		valid	N	STD
A1EFF	SL	2/26/2018	RFS01-06.1802003-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.1	mg/L		F	0.019		valid	N	STD
A1EFF	SL	2/26/2018	RFS01-06.1802003-001	7440-61-1	Uranium	N	0.029	mg/L	B	F	0.00005		valid	N	STD
A1EFF	SL	3/12/2018	RFS01-02.1803005-009	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.3	mg/L	B	F	0.019		valid	N	STD
A1EFF	SL	3/12/2018	RFS01-02.1803005-009	7440-61-1	Uranium	N	0.017	mg/L		F	0.00005		valid	N	STD
A1EFF	SL	3/26/2018	RFS01-06.1803004-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.5	mg/L	H	F	0.019		J	N	STD
A1EFF	SL	3/26/2018	RFS01-06.1803004-001	7440-61-1	Uranium	N	0.015	mg/L		F	0.00005		valid	N	STD
A1EFF	SL	5/16/2018	RFS01-04.1805004-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	4.7	mg/L	B	F	0.019		valid	N	STD
A1EFF	SL	5/16/2018	RFS01-04.1805004-011	7440-61-1	Uranium	N	0.0071	mg/L	B	F	0.00005		valid	N	STD
A1EFF	SL	5/30/2018	RFS01-06.1805006-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.34	mg/L		F	0.019		valid	N	STD
A1EFF	SL	5/30/2018	RFS01-06.1805006-001	7440-61-1	Uranium	N	0.007	mg/L	W	F	0.00005		valid	N	STD
A2EFF	SL	1/31/2018	RFS01-06.1801002-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.1	mg/L		F	0.038		valid	N	STD
A2EFF	SL	1/31/2018	RFS01-06.1801002-011	7440-61-1	Uranium	N	0.038	mg/L		F	0.00005		valid	N	STD
A2EFF	SL	2/14/2018	RFS01-02.1802004-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.3	mg/L		F	0.019		valid	N	STD
A2EFF	SL	2/14/2018	RFS01-02.1802004-010	7440-61-1	Uranium	N	0.037	mg/L		F	0.00005		valid	N	STD
A2EFF	SL	2/26/2018	RFS01-06.1802003-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.8	mg/L		F	0.019		valid	N	STD
A2EFF	SL	2/26/2018	RFS01-06.1802003-011	7440-61-1	Uranium	N	0.042	mg/L	B	F	0.00005		valid	N	STD
A2EFF	SL	3/12/2018	RFS01-02.1803005-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.1	mg/L	B	F	0.019		valid	N	STD
A2EFF	SL	3/12/2018	RFS01-02.1803005-010	7440-61-1	Uranium	N	0.036	mg/L		F	0.00005		valid	N	STD
A2EFF	SL	3/26/2018	RFS01-06.1803004-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.4	mg/L		F	0.019		valid	N	STD
A2EFF	SL	3/26/2018	RFS01-06.1803004-011	7440-61-1	Uranium	N	0.032	mg/L		F	0.00005		valid	N	STD
A2EFF	SL	5/16/2018	RFS01-04.1805004-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	4	mg/L	B	F	0.019		valid	N	STD
A2EFF	SL	5/16/2018	RFS01-04.1805004-010	7440-61-1	Uranium	N	0.0097	mg/L	B	F	0.00005		valid	N	STD
A2EFF	SL	5/30/2018	RFS01-06.1805006-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		valid	N	STD
A2EFF	SL	5/30/2018	RFS01-06.1805006-011	7440-61-1	Uranium	N	0.011	mg/L		F	0.00005		valid	N	STD
A3EFF	SL	1/31/2018	RFS01-06.1801002-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.2	mg/L		F	0.019		valid	N	STD
A3EFF	SL	1/31/2018	RFS01-06.1801002-012	7440-61-1	Uranium	N	0.037	mg/L		F	0.00005		valid	N	STD
A3EFF	SL	2/14/2018	RFS01-02.1802004-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.11	mg/L		F	0.019		valid	N	STD
A3EFF	SL	2/14/2018	RFS01-02.1802004-011	7440-61-1	Uranium	N	0.026	mg/L		F	0.00005		valid	N	STD
A3EFF	SL	2/28/2018	RFS01-06.1802003-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.065	mg/L		F	0.019		valid	N	STD
A3EFF	SL	2/28/2018	RFS01-06.1802003-012	7440-61-1	Uranium	N	0.035	mg/L	B	F	0.00005		valid	N	STD
A3EFF	SL	3/12/2018	RFS01-02.1803005-011	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.082	mg/L	B	F	0.019		U	N	STD
A3EFF	SL	3/12/2018	RFS01-02.1803005-011	7440-61-1	Uranium	N	0.033	mg/L		F	0.00005		valid	N	STD
A3EFF	SL	3/26/2018	RFS01-06.1803004-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.58	mg/L		F	0.019		valid	N	STD
A3EFF	SL	3/26/2018	RFS01-06.1803004-012	7440-61-1	Uranium	N	0.03	mg/L		F	0.00005		valid	N	STD
A3EFF	SL	5/16/2018	RFS01-04.1805004-009	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.7	mg/L	B	F	0.019		valid	N	STD
A3EFF	SL	5/16/2018	RFS01-04.1805004-009	7440-61-1	Uranium	N	0.012	mg/L	B	F	0.00005		valid	N	STD
A3EFF	SL	5/30/2018	RFS01-06.1805006-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.021	mg/L	J	F	0.019		U	N	STD
A3EFF	SL	5/30/2018	RFS01-06.1805006-012	7440-61-1	Uranium	N	0.012	mg/L		F	0.00005		valid	N	STD
B3OUTFLOW	SL	1/31/2018	RFS01-06.1801002-002	7440-61-1	Uranium	N	0.022	mg/L		F	0.00005		valid	N	STD
B3OUTFLOW	SL	2/14/2018	RFS01-02.1802004-002	7440-61-1	Uranium	N	0.025	mg/L		F	0.00005		valid	N	STD
B3OUTFLOW	SL	2/28/2018	RFS01-06.1802003-002	7440-61-1	Uranium	N	0.022	mg/L	B	F	0.00005		valid	N	STD
B3OUTFLOW	SL	3/12/2018	RFS01-02.1803005-002	7440-61-1	Uranium	N	0.02	mg/L		F	0.00005		valid	N	STD
B3OUTFLOW	SL	3/26/2018	RFS01-06.1803004-002	7440-61-1	Uranium	N	0.017	mg/L		F	0.00005		valid	N	STD
B3OUTFLOW	SL	5/16/2018	RFS01-04.1805004-002	7440-61-1	Uranium	N	0.012	mg/L	B	F	0.00005		valid	N	STD
B3OUTFLOW	SL	5/30/2018	RFS01-06.1805006-002	7440-61-1	Uranium	N	0.011	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	11/17/2017	RFS01-05.1804007-005	7440-61-1	Uranium	N	0.0184	mg/L		F	0.000067		valid	Y	GEN
B5INFLOW	SL	1/31/2018	RFS01-06.1801002-003	7440-61-1	Uranium	N	0.022	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	2/14/2018	RFS01-02.1802004-003	7440-61-1	Uranium	N	0.021	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	2/28/2018	RFS01-06.1802003-003	7440-61-1	Uranium	N	0.018	mg/L	B	F	0.00005		valid	N	STD
B5INFLOW	SL	3/12/2018	RFS01-02.1803005-003	7440-61-1	Uranium	N	0.02	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	3/26/2018	RFS01-06.1803004-003	7440-61-1	Uranium	N	0.018	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	4/4/2018	RFS01-04.1805003-003	7440-61-1	Uranium	N	0.016	mg/L		F	0.00005		valid	Y	STD
B5INFLOW	SL	4/4/2018	RFS01-04.1805003-014	7440-61-1	Uranium	N	0.017	mg/L		D	0.00005		valid	Y	STD
B5INFLOW	SL	4/30/2018	RFS01-13.1805006-005	7440-61-1	Uranium	N	0.00881	mg/L		F	0.000067		valid	Y	GEN
B5INFLOW	SL	5/16/2018	RFS01-04.1805004-003	7440-61-1	Uranium	N	0.012	mg/L	B	F	0.00005		valid	N	STD
B5INFLOW	SL	5/30/2018	RFS01-06.1805006-003	7440-61-1	Uranium	N	0.01	mg/L		F	0.00005		valid	N	STD
B5INFLOW	SL	5/30/2018	RFS01-06.1805006-016	7440-61-1	Uranium	N	0.0095	mg/L		D	0.00005		valid	N	STD
GS08	SL	6/15/2017	RFS01-13.1803003-002	14596-10-2	Americium-241	N	0.0318	pCi/L	HU	F	0.0232		valid	Y	GEN
GS08	SL	6/15/2017	RFS01-13.1803003-002	13981-16-3	Plutonium-238	N	0.00466	pCi/L	HU	F	0.00807		valid	Y	GEN
GS08	SL	6/15/2017	RFS01-13.1803003-002	PU-239,240	Plutonium-239, 240	N	0.0154	pCi/L	HU	F	0.0136		valid	Y	GEN
GS08	SL	6/15/2017	RFS01-13.1803003-002	7440-61-1	Uranium	N	0.0183	mg/L		F	0.000067		valid	Y	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS08	SL	1/31/2018	RFS01-06.1801002-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		valid	N	STD
GS08	SL	1/31/2018	RFS01-06.1801002-013	7440-61-1	Uranium	N	0.014	mg/L	F	0.00005		valid	N	STD	
GS08	SL	2/14/2018	RFS01-02.1802004-012	7440-61-1	Uranium	N	0.013	mg/L	F	0.00005		valid	N	STD	
GS08	SL	2/28/2018	RFS01-06.1802003-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		valid	N	STD
GS08	SL	2/28/2018	RFS01-06.1802003-013	7440-61-1	Uranium	N	0.015	mg/L	B	F	0.00005		valid	N	STD
GS08	SL	3/12/2018	RFS01-02.1803005-012	7440-61-1	Uranium	N	0.017	mg/L	F	0.00005		valid	N	STD	
GS08	SL	3/26/2018	RFS01-06.1803004-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.02	mg/L	J	F	0.019	U	valid	N	STD
GS08	SL	3/26/2018	RFS01-06.1803004-013	7440-61-1	Uranium	N	0.018	mg/L	F	0.00005		valid	N	STD	
GS08	SL	3/28/2018	RFS01-13.1804005-002	14596-10-2	Americium-241	N	0.00238	pCi/L	U	F	0.014	valid	Y	GEN	
GS08	SL	3/28/2018	RFS01-13.1804005-002	13981-16-3	Plutonium-238	N	0	pCi/L	U	F	0.0115	valid	Y	GEN	
GS08	SL	3/28/2018	RFS01-13.1804005-002	PU-239,240	Plutonium-239, 240	N	0.00471	pCi/L	U	F	0.0102	valid	Y	GEN	
GS08	SL	3/28/2018	RFS01-13.1804005-002	7440-61-1	Uranium	N	0.0195	mg/L	F	0.000067		valid	Y	GEN	
GS08	SL	4/18/2018	RFS01-13.1805006-002	14596-10-2	Americium-241	N	0.00158	pCi/L	U	F	0.00926	valid	Y	GEN	
GS08	SL	4/18/2018	RFS01-13.1805006-002	13981-16-3	Plutonium-238	N	0.00597	pCi/L	U	F	0.0195	valid	Y	GEN	
GS08	SL	4/18/2018	RFS01-13.1805006-002	PU-239,240	Plutonium-239, 240	N	0.0119	pCi/L	U	F	0.0136	valid	Y	GEN	
GS08	SL	4/18/2018	RFS01-13.1805006-002	7440-61-1	Uranium	N	0.0137	mg/L	F	0.000067		valid	Y	GEN	
GS08	SL	5/16/2018	RFS01-04.1805004-012	7440-61-1	Uranium	N	0.018	mg/L	B	F	0.00005	J	N	STD	
GS08	SL	5/16/2018	RFS01-04.1805004-014	7440-61-1	Uranium	N	0.011	mg/L	B	D	0.00005	J	N	STD	
GS08	SL	5/30/2018	RFS01-06.1805006-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019	valid	N	STD	
GS08	SL	5/30/2018	RFS01-06.1805006-013	7440-61-1	Uranium	N	0.01	mg/L	F	0.00005		valid	N	STD	
GS10	SL	1/31/2018	RFS01-06.1801002-004	7440-61-1	Uranium	N	0.023	mg/L	F	0.00005		valid	N	STD	
GS10	SL	2/14/2018	RFS01-02.1802004-001	7440-61-1	Uranium	N	0.023	mg/L	F	0.00005		valid	N	STD	
GS10	SL	2/28/2018	RFS01-06.1802003-004	7440-61-1	Uranium	N	0.021	mg/L	B	F	0.00005	valid	N	STD	
GS10	SL	3/12/2018	RFS01-02.1803005-001	7440-61-1	Uranium	N	0.02	mg/L	F	0.00005		valid	N	STD	
GS10	SL	3/26/2018	RFS01-06.1803004-004	7440-61-1	Uranium	N	0.021	mg/L	F	0.00005		valid	N	STD	
GS10	SL	5/16/2018	RFS01-04.1805004-001	7440-61-1	Uranium	N	0.014	mg/L	B	F	0.00005	valid	N	STD	
GS10	SL	5/30/2018	RFS01-06.1805006-004	7440-61-1	Uranium	N	0.013	mg/L	F	0.00005		valid	N	STD	
GS11	SL	1/3/2018	RFS01-05.1804007-003	14596-10-2	Americium-241	N	0.00735	pCi/L	U	F	0.00682	valid	Y	GEN	
GS11	SL	1/3/2018	RFS01-05.1804007-003	13981-16-3	Plutonium-238	N	-0.00547	pCi/L	U	F	0.0114	valid	Y	GEN	
GS11	SL	1/3/2018	RFS01-05.1804007-003	PU-239,240	Plutonium-239, 240	N	0.0137	pCi/L	U	F	0.012	valid	Y	GEN	
GS11	SL	1/3/2018	RFS01-05.1804007-003	7440-61-1	Uranium	N	0.0166	mg/L	F	0.000067		valid	Y	GEN	
GS11	SL	3/20/2018	RFS01-05.1803004-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.147	mg/L	F	0.017		valid	N	GEN	
GS11	SL	3/26/2018	RFS01-06.1803004-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019	valid	N	STD	
GS11	SL	3/26/2018	RFS01-06.1803004-016	7440-61-1	Uranium	N	0.014	mg/L	F	0.00005		valid	N	STD	
GS11	SL	4/4/2018	RFS01-05.1804007-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.57	mg/L	F	0.085		valid	N	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-003	14596-10-2	Americium-241	N	0.0145	pCi/L	U	F	0.0134	valid	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-008	14596-10-2	Americium-241	N	0.0186	pCi/L	U	D	0.0137	valid	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-003	13981-16-3	Plutonium-238	N	-0.00282	pCi/L	U	F	0.00958	valid	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-008	13981-16-3	Plutonium-238	N	0.00326	pCi/L	U	D	0.0181	valid	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-003	PU-239,240	Plutonium-239, 240	N	0.0225	pCi/L	F		0.0153	U	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-008	PU-239,240	Plutonium-239, 240	N	0.026	pCi/L	D		0.0177	U	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-003	7440-61-1	Uranium	N	0.0145	mg/L	F	0.000067		valid	Y	GEN	
GS11	SL	4/4/2018	RFS01-13.1805006-008	7440-61-1	Uranium	N	0.014	mg/L	D	0.000067		valid	Y	GEN	
GS11	SL	5/4/2018	RFS01-13.1805006-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.69	mg/L	F	0.17		valid	N	GEN	
GS11	SL	5/16/2018	RFS01-04.1805004-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.2	mg/L	B	F	0.019	valid	N	STD	
GS11	SL	5/16/2018	RFS01-04.1805004-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.2	mg/L	B	D	0.019	valid	N	STD	
GS11	SL	5/16/2018	RFS01-04.1805004-013	7440-61-1	Uranium	N	0.01	mg/L	B	F	0.00005	valid	N	STD	
GS11	SL	5/16/2018	RFS01-04.1805004-015	7440-61-1	Uranium	N	0.01	mg/L	B	D	0.00005	valid	N	STD	
GS11	SL	5/30/2018	RFS01-06.1805006-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.37	mg/L	B	F	0.019	valid	N	STD	
GS11	SL	5/30/2018	RFS01-06.1805006-015	7440-61-1	Uranium	N	0.011	mg/L	F	0.00005		valid	N	STD	
GS12	SL	2/5/2018	RFS01-13.1803003-003	7440-61-1	Uranium	N	0.0316	mg/L	F	0.000067		valid	Y	GEN	
GS12	SL	2/5/2018	RFS01-13.1803003-004	7440-61-1	Uranium	N	0.0335	mg/L	D	0.000067		valid	Y	GEN	
GS12	SL	3/28/2018	RFS01-13.1804004-002	7440-61-1	Uranium	N	0.0162	mg/L	F	0.000067		valid	Y	GEN	
GS13	SL	1/31/2018	RFS01-06.1801002-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.8	mg/L	F	0.095		valid	N	STD	
GS13	SL	1/31/2018	RFS01-06.1801002-005	7440-61-1	Uranium	N	0.017	mg/L	F	0.00005		valid	N	STD	
GS13	SL	2/14/2018	RFS01-02.1802004-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	11	mg/L	F	0.095		valid	N	STD	
GS13	SL	2/14/2018	RFS01-02.1802004-007	7440-61-1	Uranium	N	0.022	mg/L	F	0.00005		valid	N	STD	
GS13	SL	2/26/2018	RFS01-06.1802003-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	13	mg/L	F	0.19		valid	N	STD	
GS13	SL	2/26/2018	RFS01-06.1802003-005	7440-61-1	Uranium	N	0.027	mg/L	B	F	0.00005	valid	N	STD	
GS13	SL	3/12/2018	RFS01-02.1803005-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L	B	F	0.038	valid	N	STD	
GS13	SL	3/12/2018	RFS01-02.1803005-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	11	mg/L	D	0.038		valid	N	STD	
GS13	SL	3/12/2018	RFS01-02.1803005-007	7440-61-1	Uranium	N	0.024	mg/L	F	0.00005		valid	N	STD	
GS13	SL	3/12/2018	RFS01-02.1803005-014	7440-61-1	Uranium	N	0.024	mg/L	D	0.00005		valid	N	STD	
GS13	SL	3/26/2018	RFS01-06.1803004-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L	F	0.038		valid	N	STD	
GS13	SL	3/26/2018	RFS01-06.1803004-005	7440-61-1	Uranium	N	0.016	mg/L	F	0.00005	J	N	STD		
GS13	SL	5/16/2018	RFS01-04.1805004-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6	mg/L	B	F	0.019	valid	N	STD	
GS13	SL	5/16/2018	RFS01-04.1805004-007	7440-61-1	Uranium	N	0.0075	mg/L	B	F	0.00005	valid	N	STD	

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS13	SL	5/30/2018	RFS01-06.1805006-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.7	mg/L		F	0.019		valid	N	STD
GS13	SL	5/30/2018	RFS01-06.1805006-005	7440-61-1	Uranium	N	0.008	mg/L		F	0.00005		valid	N	STD
GS31	SL	2/16/2018	RFS01-13.1803002-002	14596-10-2	Americium-241	N	0.00739	pCi/L	U	F		0.0136	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-003	14596-10-2	Americium-241	N	0.0116	pCi/L	U	D		0.0163	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-002	13981-16-3	Plutonium-238	N	0.0119	pCi/L	U	F		0.013	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-003	13981-16-3	Plutonium-238	N	-0.00466	pCi/L	U	D		0.0158	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-002	PU-239,240	Plutonium-239, 240	N	0.0238	pCi/L	U	F		0.0143	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-003	PU-239,240	Plutonium-239, 240	N	0.00466	pCi/L	U	D		0.0126	valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-002	7440-61-1	Uranium	N	0.0133	mg/L		F	0.000067		valid	Y	GEN
GS31	SL	2/16/2018	RFS01-13.1803002-003	7440-61-1	Uranium	N	0.0137	mg/L		D	0.000067		valid	Y	GEN
GS31	SL	3/14/2018	RFS01-05.1804006-003	14596-10-2	Americium-241	N	0.00415	pCi/L	U	F		0.00607	valid	Y	GEN
GS31	SL	3/14/2018	RFS01-05.1804006-003	13981-16-3	Plutonium-238	N	-0.003	pCi/L	U	F		0.0155	valid	Y	GEN
GS31	SL	3/14/2018	RFS01-05.1804006-003	PU-239,240	Plutonium-239, 240	N	0.0135	pCi/L	U	F		0.0122	valid	Y	GEN
GS31	SL	3/14/2018	RFS01-05.1804006-003	7440-61-1	Uranium	N	0.0121	mg/L		F	0.000067		valid	Y	GEN
GS31	SL	3/29/2018	RFS01-01.1804005-012	14596-10-2	Americium-241	N	0.0056	pCi/L	U	F		0.0087	valid	Y	GEN
GS31	SL	3/29/2018	RFS01-01.1804005-012	13981-16-3	Plutonium-238	N	0.0069	pCi/L	U	F		0.0107	valid	Y	GEN
GS31	SL	3/29/2018	RFS01-01.1804005-012	PU-239,240	Plutonium-239, 240	N	0.00689	pCi/L	U	F		0.0126	valid	Y	GEN
GS31	SL	3/29/2018	RFS01-01.1804005-012	7440-61-1	Uranium	N	0.0114	mg/L		F	0.000067		valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-008	14596-10-2	Americium-241	N	0.00133	pCi/L	U	F		0.00784	valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-010	14596-10-2	Americium-241	N	0.00238	pCi/L	U	D		0.0105	valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-008	13981-16-3	Plutonium-238	N	0.0242	pCi/L	U	F		0.0197	valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-010	13981-16-3	Plutonium-238	N	0.0173	pCi/L		D		0.0176	U	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-008	PU-239,240	Plutonium-239, 240	N	0.0118	pCi/L	U	F		0.0162	valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-010	PU-239,240	Plutonium-239, 240	N	0.0373	pCi/L		D		0.0156	J	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-008	7440-61-1	Uranium	N	0.0101	mg/L		F	0.000067		valid	Y	GEN
GS31	SL	4/26/2018	RFS01-01.1805007-010	7440-61-1	Uranium	N	0.00928	mg/L		D	0.000067		valid	Y	GEN
GS31	SL	5/3/2018	RFS01-13.1805006-007	14596-10-2	Americium-241	N	-0.0013	pCi/L	U	F		0.00847	valid	Y	GEN
GS31	SL	5/3/2018	RFS01-13.1805006-007	13981-16-3	Plutonium-238	N	-0.0061	pCi/L	U	F		0.0191	valid	Y	GEN
GS31	SL	5/3/2018	RFS01-13.1805006-007	PU-239,240	Plutonium-239, 240	N	0.00609	pCi/L	U	F		0.0207	valid	Y	GEN
GS31	SL	5/3/2018	RFS01-13.1805006-007	7440-61-1	Uranium	N	0.01	mg/L		F	0.000067		valid	Y	GEN
SPOUT	TS	1/31/2018	RFS01-06.1801002-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.072	mg/L		F	0.019		valid	N	STD
SPOUT	TS	1/31/2018	RFS01-06.1801002-007	7440-61-1	Uranium	N	0.072	mg/L		F	0.00005		valid	N	STD
SPOUT	TS	2/14/2018	RFS01-02.1802004-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.088	mg/L		F	0.019		valid	N	STD
SPOUT	TS	2/14/2018	RFS01-02.1802004-006	7440-61-1	Uranium	N	0.061	mg/L		F	0.00005		valid	N	STD
SPOUT	TS	2/26/2018	RFS01-06.1802003-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.13	mg/L		F	0.019		valid	N	STD
SPOUT	TS	2/26/2018	RFS01-06.1802003-007	7440-61-1	Uranium	N	0.065	mg/L	B	F	0.00005		valid	N	STD
SPOUT	TS	3/12/2018	RFS01-02.1803005-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.036	mg/L	JB	F	0.019		U	N	STD
SPOUT	TS	3/12/2018	RFS01-02.1803005-006	7440-61-1	Uranium	N	0.049	mg/L		F	0.00005		valid	N	STD
SPOUT	TS	3/26/2018	RFS01-06.1803004-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		valid	N	STD
SPOUT	TS	3/26/2018	RFS01-06.1803004-017	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.043	mg/L	J	D	0.019		U	N	STD
SPOUT	TS	3/26/2018	RFS01-06.1803004-007	7440-61-1	Uranium	N	0.065	mg/L		F	0.00005		J	N	STD
SPOUT	TS	3/26/2018	RFS01-06.1803004-017	7440-61-1	Uranium	N	0.05	mg/L		D	0.00005		J	N	STD
SPOUT	TS	5/17/2018	RFS01-04.1805004-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.021	mg/L	JB	F	0.019		valid	N	STD
SPOUT	TS	5/17/2018	RFS01-04.1805004-006	7440-61-1	Uranium	N	0.036	mg/L	B	F	0.00005		valid	N	STD
SPOUT	TS	5/30/2018	RFS01-06.1805006-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.028	mg/L	J	F	0.019		valid	N	STD
SPOUT	TS	5/30/2018	RFS01-06.1805006-007	7440-61-1	Uranium	N	0.066	mg/L		F	0.00005		valid	N	STD
SW093	SL	1/31/2018	RFS01-06.1801002-008	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.77	mg/L		F	0.019		valid	N	STD
SW093	SL	1/31/2018	RFS01-06.1801002-008	7440-61-1	Uranium	N	0.0065	mg/L		F	0.00005		valid	N	STD
SW093	SL	2/14/2018	RFS01-02.1802004-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1	mg/L		F	0.019		valid	N	STD
SW093	SL	2/14/2018	RFS01-02.1802004-004	7440-61-1	Uranium	N	0.0069	mg/L		F	0.00005		valid	N	STD
SW093	SL	2/26/2018	RFS01-06.1802003-008	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.81	mg/L		F	0.019		valid	N	STD
SW093	SL	2/26/2018	RFS01-06.1802003-008	7440-61-1	Uranium	N	0.0083	mg/L	B	F	0.00005		valid	N	STD
SW093	SL	3/12/2018	RFS01-02.1803005-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.41	mg/L	B	F	0.019		valid	N	STD
SW093	SL	3/12/2018	RFS01-02.1803005-004	7440-61-1	Uranium	N	0.0064	mg/L		F	0.00005		valid	N	STD
SW093	SL	3/26/2018	RFS01-06.1803004-008	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.2	mg/L		F	0.019		valid	N	STD
SW093	SL	3/26/2018	RFS01-06.1803004-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.1	mg/L		D	0.019		valid	N	STD
SW093	SL	3/26/2018	RFS01-06.1803004-008	7440-61-1	Uranium	N	0.0061	mg/L		F	0.00005		valid	N	STD
SW093	SL	3/26/2018	RFS01-06.1803004-015	7440-61-1	Uranium	N	0.0062	mg/L		D	0.000050		valid	N	STD
SW093	SL	5/16/2018	RFS01-04.1805004-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	5.3	mg/L	B	F	0.019		valid	N	STD
SW093	SL	5/16/2018	RFS01-04.1805004-004	7440-61-1	Uranium	N	0.0053	mg/L	B	F	0.00005		valid	N	STD
SW093	SL	5/30/2018	RFS01-06.1805006-008	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.72	mg/L		F	0.019		valid	N	STD
SW093	SL	5/30/2018	RFS01-06.1805006-008	7440-61-1	Uranium	N	0.0036	mg/L		F	0.00005		valid	N	STD
WALPOC	SL	1/31/2018	RFS01-06.1801002-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	J	F	0.019		valid	N	STD
WALPOC	SL	2/28/2018	RFS01-06.1802003-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.027	mg/L	J	F	0.019		valid	N	STD
WALPOC	SL	3/2/2018	RFS01-13.1803003-005	14596-10-2	Americium-241	N	0.0399	pCi/L	U	F		0.0489	valid	Y	GEN
WALPOC	SL	3/2/2018	RFS01-13.1803003-005	13981-16-3	Plutonium-238	N	0.00326	pCi/L	U	F		0.0101	valid	Y	GEN
WALPOC	SL	3/2/2018	RFS01-13.1803003-005	PU-239,240	Plutonium-239, 240	N	0.00651	pCi/L	U	F		0.0111	valid	Y	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WALPOC	SL	3/2/2018	RFS01-13.1803003-005	7440-61-1	Uranium	N	0.0195	mg/L		F	0.000067		valid	Y	GEN
WALPOC	SL	3/26/2018	RFS01-06.1803004-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.06	mg/L		F	0.019		U	N	STD
WALPOC	SL	3/28/2018	RFS01-13.1803003-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017		valid	N	GEN
WALPOC	SL	3/28/2018	RFS01-05.1804007-001	14596-10-2	Americium-241	N	0.00831	pCi/L	U	F	0.00865	valid	Y	GEN	
WALPOC	SL	3/28/2018	RFS01-05.1804007-001	13981-16-3	Plutonium-238	N	-0.0013	pCi/L	U	F	0.00848	valid	Y	GEN	
WALPOC	SL	3/28/2018	RFS01-05.1804007-001	PU-239,240	Plutonium-239, 240	N	0.0143	pCi/L	U	F		0.0112	valid	Y	GEN
WALPOC	SL	3/28/2018	RFS01-05.1804007-001	7440-61-1	Uranium	N	0.0162	mg/L		F	0.000067		valid	Y	GEN
WALPOC	SL	4/4/2018	RFS01-05.1804007-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.685	mg/L		F	0.085		valid	N	GEN
WALPOC	SL	4/4/2018	RFS01-01.1804004-009	14596-10-2	Americium-241	N	-0.00124	pCi/L	U	F	0.00809	valid	Y	GEN	
WALPOC	SL	4/4/2018	RFS01-01.1804004-009	13981-16-3	Plutonium-238	N	0.00387	pCi/L	U	F	0.0194	valid	Y	GEN	
WALPOC	SL	4/4/2018	RFS01-01.1804004-009	PU-239,240	Plutonium-239, 240	N	0.0135	pCi/L	U	F		0.019	valid	Y	GEN
WALPOC	SL	4/4/2018	RFS01-01.1804004-009	7440-61-1	Uranium	N	0.0166	mg/L		F	0.000067		valid	Y	GEN
WALPOC	SL	4/26/2018	RFS01-01.1804004-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.0214	mg/L	J	F	0.017		valid	N	GEN
WALPOC	SL	5/30/2018	RFS01-06.1805006-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.067	mg/L		F	0.019		U	N	STD
WOMPOC	SL	3/2/2018	RFS01-05.1803004-001	14596-10-2	Americium-241	N	0.00237	pCi/L	U	F	0.00465	valid	Y	GEN	
WOMPOC	SL	3/2/2018	RFS01-05.1803004-001	13981-16-3	Plutonium-238	N	0.00287	pCi/L	U	F	0.00689	valid	Y	GEN	
WOMPOC	SL	3/2/2018	RFS01-05.1803004-001	PU-239,240	Plutonium-239, 240	N	0.00574	pCi/L	U	F	0.0089	valid	Y	GEN	
WOMPOC	SL	3/2/2018	RFS01-05.1803004-001	7440-61-1	Uranium	N	0.00443	mg/L		F	0.000067		valid	Y	GEN
WOMPOC	SL	3/20/2018	RFS01-05.1804006-001	14596-10-2	Americium-241	N	0.00359	pCi/L	U	F	0.00705	valid	Y	GEN	
WOMPOC	SL	3/20/2018	RFS01-05.1804006-001	13981-16-3	Plutonium-238	N	0.00306	pCi/L	U	F	0.012	valid	Y	GEN	
WOMPOC	SL	3/20/2018	RFS01-05.1804006-001	PU-239,240	Plutonium-239, 240	N	0.00306	pCi/L	U	F		valid	Y	GEN	
WOMPOC	SL	3/20/2018	RFS01-05.1804006-001	7440-61-1	Uranium	N	0.00335	mg/L		F	0.000067		valid	Y	GEN
WOMPOC	SL	3/29/2018	RFS01-13.1804004-003	14596-10-2	Americium-241	N	0.00685	pCi/L	U	F	0.00638	valid	Y	GEN	
WOMPOC	SL	3/29/2018	RFS01-13.1804004-003	13981-16-3	Plutonium-238	N	0.00221	pCi/L	U	F	0.00752	valid	Y	GEN	
WOMPOC	SL	3/29/2018	RFS01-13.1804004-003	PU-239,240	Plutonium-239, 240	N	0.00221	pCi/L	U	F	0.00532	valid	Y	GEN	
WOMPOC	SL	3/29/2018	RFS01-13.1804004-003	7440-61-1	Uranium	N	0.00271	mg/L		F	0.000067		valid	Y	GEN
WOMPOC	SL	4/10/2018	RFS01-01.1804004-001	14596-10-2	Americium-241	N	-0.0144	pCi/L	U	F	0.0237	valid	Y	GEN	
WOMPOC	SL	4/10/2018	RFS01-01.1804004-001	13981-16-3	Plutonium-238	N	0.00284	pCi/L	U	F	0.0167	valid	Y	GEN	
WOMPOC	SL	4/10/2018	RFS01-01.1804004-001	PU-239,240	Plutonium-239, 240	N	0.00994	pCi/L	U	F	0.0122	valid	Y	GEN	
WOMPOC	SL	4/10/2018	RFS01-01.1804004-001	7440-61-1	Uranium	N	0.00316	mg/L		F	0.000067		valid	Y	GEN
WOMPOC	SL	5/14/2018	RFS01-01.1805009-001	14596-10-2	Americium-241	N	0	pCi/L	U	F	0.0141	valid	Y	GEN	
WOMPOC	SL	5/14/2018	RFS01-01.1805009-001	13981-16-3	Plutonium-238	N	-0.00477	pCi/L	U	F	0.0168	valid	Y	GEN	
WOMPOC	SL	5/14/2018	RFS01-01.1805009-001	PU-239,240	Plutonium-239, 240	N	0.00636	pCi/L	U	F	0.00988	valid	Y	GEN	
WOMPOC	SL	5/14/2018	RFS01-01.1805009-001	7440-61-1	Uranium	N	0.00092	mg/L		F	0.000067		valid	Y	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 = millSiemens 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

**LAB\_QUALIFIERS**

- \* 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 compound (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.

*Table 1. Analytical Results for Water Samples*

Table 2. Water Sampling Events: Second Quarter CY 2018

Location Code	Sampling Dates		Sample Info			Analytes				Sample Tracking Info
	Start	End	Collection Method	Type	Filtered	VOC	D	Nitrate	Pu/Am	
WALPOC	4/4/2018 11:32	4/4/2018 11:32	grab	F	No			X		RFS01-05.1804007-002
WALPOC	3/28/2018 10:29	4/4/2018 11:47	composite	F	No		X		X	RFS01-05.1804007-001
GS11	4/4/2018 12:08	4/4/2018 12:08	grab	F	No			X		RFS01-05.1804007-004
GS11	1/3/2018 11:54	4/4/2018 12:20	composite	F	No		X		X	RFS01-05.1804007-003
B5INFLOW	11/17/2017 11:07	4/4/2018 12:39	composite	F	No		X			RFS01-05.1804007-005
GS12	3/28/2018 11:27	4/10/2018 11:51	composite	F	No		X			RFS01-13.1804004-002
WOMPOC	3/29/2018 11:24	4/10/2018 12:48	composite	F	No		X		X	RFS01-13.1804004-003
SPOUT	4/16/2018 11:37	4/16/2018 11:37	grab	F	No		X	X		RFS01-04.1804002-006
SW093	4/16/2018 11:40	4/16/2018 11:40	grab	F	No		X	X		RFS01-04.1804002-004
GS13	4/16/2018 11:55	4/16/2018 11:55	grab	F	No		X	X		RFS01-04.1804002-007
A1EFF	4/16/2018 12:09	4/16/2018 12:09	grab	F	No		X	X		RFS01-04.1804002-011
A2EFF	4/16/2018 12:12	4/16/2018 12:12	grab	F	No		X	X		RFS01-04.1804002-010
A3EFF	4/16/2018 12:28	4/16/2018 12:28	grab	F	No		X	X		RFS01-04.1804002-009
GS11	4/16/2018 12:40	4/16/2018 12:40	grab	F	No		X	X		RFS01-04.1804002-013
GS08	4/16/2018 13:18	4/16/2018 13:18	grab	F	No		X			RFS01-04.1804002-012
B5INFLOW	4/16/2018 13:38	4/16/2018 13:38	grab	F	No		X			RFS01-04.1804002-003
B3OUTFLOW	4/16/2018 13:58	4/16/2018 13:58	grab	F	No		X			RFS01-04.1804002-002
GS10	4/16/2018 14:04	4/16/2018 14:04	grab	F	No		X			RFS01-04.1804002-001
GS10	4/16/2018 14:04	4/16/2018 14:04	grab	D	No		X			RFS01-04.1804002-014