

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

First Quarter Calendar Year 2017

April 2017



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Abbreviations

AMP Adaptive Management Plan

CY calendar year

DOE U.S. Department of Energy

EA Rocky Flats Surface Water Configuration Environmental Assessment

POC Point of Compliance

RFLMA Rocky Flats Legacy Management Agreement

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-breach. 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 first quarter of calendar year (CY) 2017 is provided in accordance with Section 5.0, "Reporting," in the AMP. Section 3.0 of this report provides the first quarter data summary tables, which include all validated analytical data for the AMP monitoring objectives available as of March 31, 2017. 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 *Rocky Flats Site Operations Guide*, Appendix I, "Rocky Flats Site, Colorado, Additional Field Implementation Detail for Selected Monitoring Objectives."

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: First Quarter CY 2017

- 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 COU boundary and WALPOC—Walnut Creek at COU boundary).
- Two 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).
- Three informal emails were transmitted to AMP participants providing notification of individual analytical results from POCs and points of evaluation that were above the applicable *Rocky Flats Legacy Management Agreement* (RFLMA) surface water standard (RFLMA Attachment 2, Table 1).
- During the quarter, 65 samples were collected in support of AMP monitoring objectives.

3.0 Analytical Data: First Quarter CY 2017

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

Table 2, "Water Sampling Events: First Quarter CY 2017," is available at the end of this report.

A1EFF SL 1/12/2017 17018236 07440-61-1 L A1EFF SL 1/25/2017 17018252 NO3+NO2 AS N N A1EFF SL 1/25/2017 17018252 NO3+NO2 AS N N A1EFF SL 2/26/2017 17028269 NO3+NO2 AS N N A1EFF SL 2/26/2017 17028269 NO3+NO2 AS N N A1EFF SL 2/22/2017 17028269 NO3+NO2 AS N N A1EFF SL 2/22/2017 17028299 NO3+NO2 AS N N A1EFF SL 2/22/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/25/2017 17018252 NO3+NO2 AS N N A2EFF SL 2/6/2017 17028269 NO3+NO2 AS N N A2EFF SL 2/2/2017 17028269 NO3+NO2 AS N N A2EFF SL 2/2/2/2017 17028	_				$\overline{}$		1		DATA		
A1EFF SL 1/12/2017 17/18/256 NO3+NO2 AS N N A1EFF SL 1/12/2017 17/18/256 O7440-61-1 A1EFF SL 1/12/2017 17/18/252 NO3+NO2 AS N N A1EFF SL 1/25/2017 17/18/252 O7440-61-1 A1EFF SL 1/25/2017 17/18/252 O7440-61-1 A1EFF SL 2/20/2017 17/18/252 O7440-61-1 A1EFF SL 2/20/2017 17/18/256 O7440-61-1 A1EFF SL 2/20/2017 17/18/256 O7440-61-1 A1EFF SL 2/20/2017 17/18/256 O7440-61-1 A2EFF SL 1/12/2017 17/18/256 O7440-61-1 A2EFF SL 1/12/2017 17/18/256 O7440-61-1 A2EFF SL 1/12/2017 17/18/256 O7440-61-1 A2EFF SL 1/25/2017 17/18/256 O7440-61-1 A2EFF SL 1/25/2017 17/18/256 O7440-61-1 A2EFF SL 1/25/2017 17/18/256 O7440-61-1 A2EFF SL 2/20/2017 17/18/256 O7440-61-1 A2EFF SL 2/20/		SAMPLE			LAB	SAMPLE	DETECTION	UNCER-	VALIDATION	COLLECTION	LAB
A1EFF SL 1/12/2017 17018236 07440-61-1 L A1EFF SL 1/12/2017 17018235 NO3+NO2 AS N NA1EFF SL 1/12/2017 17018252 NO3+NO2 AS N NA1EFF SL 2/12/2017 17018252 NO3+NO2 AS N NA1EFF SL 2/12/2017 170182689 NO3+NO2 AS N NA1EFF SL 2/12/2017 170182689 NO3+NO2 AS N NA1EFF SL 2/12/2017 17018269 NO3+NO2 AS N NA1EFF SL 2/12/2017 17018299 NO3+NO2 AS N NA1EFF SL 2/12/2017 17018299 NO3+NO2 AS N NA1EFF SL 2/12/2017 17018299 NO3+NO2 AS N NA1EFF SL 1/12/2017 17018236 NO3+NO2 AS N NA2EFF SL 1/12/2017 17018236 NO3+NO2 AS N NA2EFF SL 1/12/2017 17018236 NO3+NO2 AS N NA2EFF SL 1/12/2017 17018252 07440-61-1 L NA2EFF SL 1/12/2017 17018252 07440-61-1 L NA2EFF SL 2/12/2017 17018252 07440-61-1 L NA2EFF SL 2/12/2017 17018269 NO3+NO2 AS N NA2EFF SL 2/12/2017 17028269 NO3+NO2 AS N NA2EFF SL 2/12/2017	ANALYTE	ID	RESULT	UNITS	QUALIFIERS	TYPE	LIMIT	TAINTY	QUALIFIERS	METHOD	CODE
AIEFF SL 1/25/2017/17018252 NO3+NO2 AS N N AIEFF SL 1/25/2017/17018252 NO3+NO2 AS N N AIEFF SL 2/6/2017/17028269 NO3+NO2 AS N N AIEFF SL 2/22/2017/17028269 NO3+NO2 AS N N AIEFF SL 2/22/2017/17028269 O7440-61-1 L N N N N N N N N N N N N N N N N N N	Nitrate + Nitrite as Nitrogen	N001	16	mg/L		F	0.038		valid	G	STD
ALEFF SL 1/26/2017/17018252 07440-61-1 ALEFF SL 2/6/2017/17028269 NO3+NO2 AS N ALEFF SL 2/6/2017/17028269 NO3+NO2 AS N ALEFF SL 2/6/2017/17028269 NO3+NO2 AS N ALEFF SL 2/2/2017/17082699 NO3+NO2 AS N ALEFF SL 1/1/2/2017/17018236 NO3+NO2 AS N ALEFF SL 1/1/2/2017/17018252 NO3+NO2 AS N ALEFF SL 1/1/2/2017/17018252 NO3+NO2 AS N ALEFF SL 1/1/2/2017/17018269 NO3+NO2 AS N ALEFF SL 1/1/2/2017/17028269 NO3+NO2 AS N	Uranium	N001	35	ug/L		F	0.05		valid	G	STD
ATEFF SL 2/22/2017 17028269 NO3+NO2 AS N NA1EFF SL 2/22/2017 17028269 07440-61-1 L AZEFF SL 1/12/2017 17018236 07440-61-1 L AZEFF SL 1/12/2017 17018236 07440-61-1 L AZEFF SL 1/12/2017 17018252 NO3+NO2 AS N NA2EFF SL 1/22/2017 17018252 NO3+NO2 AS N NA2EFF SL 2/20/2017 17028269 07440-61-1 L AZEFF SL 2/20/2017 17028269 07440-61-1 L BZEFF SL 2/20/2017 17028269 07440-61-1 L GZEFF SL 2/20/2017 17028269 07440-61-1 L	Nitrate + Nitrite as Nitrogen	N001	18	mg/L		F	0.038		valid	G	STD
ATEFF SL 2/2/2017 17028299 07440-61-1 L ATEFF SL 2/2/2017 17028299 07440-61-1 L AZEFF SL 1/12/2017 17018236 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 N03+N02 AS N N AZEFF SL 2/2/2017 17028269 O7440-61-1 L B30UTFLOW SL 1/12/2017 17018252 O7440-61-1 L B30UTFLOW SL 1/12/2017 17018253 O7440-61-1 L B30UTFLOW SL 1/12/2017 17018250 O7440-61-1 L B30UTFLOW SL 2/2/2017 17028269 O7440-61-1 L B5INFLOW SL 2/2/2017 17028269 O7440-61-1 L B5INFLOW SL 1/2/2017 17028269 O7440-61-1 L B5INFLOW SL 1/2/2017 17028269 O7440-61-1 L B5INFLOW SL 1/2/2017 17028269 O7440-61-1 L B5INFLOW SL 2/2/2017 17028269 O7440-61-1 L B5INFLOW SL 1/2/2017 17028269 O7440-61-1 L B5INFLOW SL 2/2/2017 17028269 O7440-61-1 L B5IN	Uranium	N001	47	ug/L		F	0.05		valid	G	STD
A1EFF SL 2/22/2017 (17028299 N03+NO2 AS N N A2EFF SL 1/12/2017) (17018236 N) A740-81-1 L A2EFF SL 1/12/2017) (17018252 N) A3+NO2 AS N N A2EFF SL 1/12/2017) (17018252 N) A3+NO2 AS N N A2EFF SL 1/12/2017) (17018252 N) A3+NO2 AS N N A2EFF SL 2/6/2017) (17028269 NO3+NO2 AS N N A2EFF SL 2/6/2017) (17028269 O) (1740-81-1 L A2EFF SL 2/6/2017) (17028269 O) (1740-81-1 L A2EFF SL 2/6/2017) (17028269 O) (1740-81-1 L A2EFF SL 2/6/2017) (17028269 NO3+NO2 AS N N N A2EFF SL 2/6/2017) (17028269 O) (1740-61-1 L D2E) (17008269	Nitrate + Nitrite as Nitrogen	N001	16	mg/L		F	0.038		valid	G	STD
A1EFF SL 1/12/2017 17018238 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018236 NO3+NO2 AS N N A2EFF SL 1/12/2017 17018252 NO3+NO2 AS N N A2EFF SL 1/25/2017 17018252 NO3+NO2 AS N N A2EFF SL 1/25/2017 17018252 NO3+NO2 AS N N A2EFF SL 2/6/2017 17028269 O7440-61-1 L A2EFF SL 2/6/2017 17028269 O7440-61-1 L A2EFF SL 2/6/2017 17028269 O7440-61-1 L A2EFF SL 2/2/2017 17028299 O7440-61-1 L B30UTFLOW SL 2/2/2017 17028299 O7440-61-1 L G308 SL 2/2/	Uranium	N001		ug/L		F	0.05		valid	G	STD
AZEFF SL 1/12/2017 17018236 N03+N02 AS N AZEFF SL 1/12/2017 17018236 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 N03+N02 AS N N AZEFF SL 1/12/2017 17018252 O7440-61-1 L AZEFF SL 1/12/2017 17018252 O7440-61-1 L N AZEFF SL 2/16/2017 17028269 N03+N02 AS N N AZEFF SL 2/16/2017 17028269 N03+N02 AS N N AZEFF SL 2/16/2017 17028269 N03+N02 AS N N AZEFF SL 2/16/2017 17028269 O7440-61-1 L AZEFF SL 2/16/2017 17028269 O7440-61-1 L AZEFF SL 2/16/2017 17028269 N03+N02 AS N N AZEFF SL 2/16/2017 17028269 N03+N02 AS N N AZEFF SL 2/16/2017 17028299 O7440-61-1 L BZEVET SL 2/16/2017 17028299 O7440-61-1 L GZEVET SL 2/16/2	Nitrate + Nitrite as Nitrogen	N001	9.1	mg/L		F	0.019		valid	G	STD
AZEFF SL 17/2/2017 17018236 07440-61-1 L AZEFF SL 17/25/2017 17018252 NO3+NO2 AS N N AZEFF SL 17/25/2017 17018252 NO3+NO2 AS N N AZEFF SL 26/2017 17028269 O7440-61-1 L AZEFF SL 26/2017 17028299 O7440-61-1 L AZEFF SL 26/2017 17028299 O7440-61-1 L AZEFF SL 26/2017 17028299 O7440-61-1 L BAZEFF SL 26/2017 17028299 O7440-61-1 L GAZEFF SL 26/2017 17028299 O7440-61-1 L G	Uranium	N001		ug/L		F	0.05		valid	G	STD
AZEFF SL 1/25/2017 17018252 NO3+NO2 AS N N AZEFF SL 1/25/2017 17018252 O7440-61-1 L AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 O7440-61-1 L AZEFF SL 2/2/2017 17028299 NO3+NO2 AS N N AZEFF SL 2/2/2017 17028299 NO3+NO2 AS N N AZEFF SL 2/2/2017 17028299 O7440-61-1 L D AZEFF SL 2/6/2017 17028269 O7440-61-1	Nitrate + Nitrite as Nitrogen	N001	25	mg/L		F	0.095		valid	G	STD
AZEFF SL 2/6/2017 17018252 07440-61-1 L AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 07440-61-1 L AZEFF SL 2/2017 17028269 07440-61-1 L AZEFF SL 2/2017 17028299 NO3+NO2 AS N AZEFF SL 2/2017 17028299 NO3+NO2 AS N AZEFF SL 2/2017 17028299 O7440-61-1 L B30UTFLOW SL 1/12/2017 17018250 07440-61-1 L B30UTFLOW SL 1/12/2017 17018250 07440-61-1 L B30UTFLOW SL 2/6/2017 17028269 07440-61-1 L B30UTFLOW SL 2/2017 17028269 07440-61-1 L B5INFLOW SL 1/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2017 17028299 07440-61-1 L B5INFLOW SL 2/2017 17028269 07440-6	Uranium	N001	32	ug/L		F	0.05		valid	G	STD
AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/6/2017 17028269 07440-61-1 LAZEFF SL 2/6/2017 17028269 07440-61-1 LAZEFF SL 2/2/2017 17028269 07440-61-1 LAZEFF SL 2/2/2017 17028269 NO3+NO2 AS N N AZEFF SL 2/2/2017 17028269 NO3+NO2 AS N N B3OUTFLOW SL 1/12/2017 17018236 07440-61-1 LB3OUTFLOW SL 1/2/2017 17018236 07440-61-1 LB3OUTFLOW SL 2/6/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 2/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 2/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 2/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 2/2/2017 17028269 07440-61-1 LB3OUTFLOW SL 1/2/2016 16118157 07440-61-1 LB3OUTFLOW SL 2/2/2017 17028269 07440-61-1 LB	Nitrate + Nitrite as Nitrogen	N001	19	mg/L		F	0.038		valid	G	STD
A2EFF SL	Uranium	N001	49	ug/L		F	0.05		valid	G	STD
AZEFF SL 2/6/2017 17028269 07440-61-1 L AZEFF SL 2/2/2017 17028269 07440-61-1 L AZEFF SL 2/2/2017 17028269 NO3+NO2 AS N AZEFF SL 2/2/2017 17028299 NO3+NO2 AS N AZEFF SL 2/2/2017 17028299 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018236 07440-61-1 L B3OUTFLOW SL 1/2/2017 17018256 07440-61-1 L B3OUTFLOW SL 2/2/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/2/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/2/2017 17028269 07440-61-1 L B3OUTFLOW SL 1/12/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/2/2017 17028269 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018252 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018252 07440-61-1 L B5INFLOW SL 1/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L GS08 SL 2/2/2017 17028299 07440-61-1 L GS10 SL 1/12/2016 16118157 07440-61-1 L GS10 SL 1/2/2017 17028269 07440-61-1 L GS10 SL 2/2/2017 17028269 07440-61-1 L GS10 SL 1/2/2017 17028269 07440-61-1 L GS10 SL 2/2/2017 17028269 07440-61-1 L GS10 SL 1/2/2017 17028269 07440-61-1 L GS11 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 1/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 1/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 1/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 NO3	Nitrate + Nitrite as Nitrogen	N001	18	mg/L		F	0.038		valid	G	STD
A2EFF SL 2/6/2017 17028269 07440-61-1 L A2EFF SL 2/22/2017 17028299 NO3+NO2 AS N N A2EFF SL 2/22/2017 17028299 07440-61-1 L B3OUTFLOW SL 1/1/2/2017 17018236 07440-61-1 L B3OUTFLOW SL 2/2/2017 17018236 07440-61-1 L B3OUTFLOW SL 2/2/2017 17018252 07440-61-1 L B3OUTFLOW SL 2/2/2017 17028269 07440-61-1 L B5INFLOW SL 1/2/2017 17018252 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2/2017 17018236 07440-61-1 L B5INFLOW SL 2/2/2017 17018252 07440-61-1 L B5INFLOW SL 2/2/2017 17018236 07440-61-1 L B5INFLOW SL 2/2/2017 17018236 07440-61-1 L B5INFLOW SL 2/2/2017 17018236 07440-61-1 L B5INFLOW SL 2/2/201	Nitrate + Nitrite as Nitrogen	N002		mg/L		D	0.038		valid	G	STD
AZEFF SL 2/2/2017 17028299	Uranium	N001	54	ug/L		F	0.05		valid	G	STD
AZEFF SL 2/22/2017 17028299 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018236 07440-61-1 L B3OUTFLOW SL 1/25/2017 17018236 07440-61-1 L B3OUTFLOW SL 2/6/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/6/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/6/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/22/2017 17028269 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018236 07440-61-1 L B3OUTFLOW SL 1/12/2017 17018236 07440-61-1 L B5INFLOW SL 1/12/2017 17018236 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L B5INFLOW SL 2/2/2017 17028269 07440-61-1 L GS08 SL 1/12/2017 17028269 07440-61-1 L GS10 SL 1/12/2017 17028269 07440-61-1 L GS10 SL 1/12/2017 17028269 07440-61-1 L GS10 SL 1/12/2017 17018236 07440-61-1 L GS10 SL 2/2/2017 17028269 07440-61-1 L GS10 SL 2/2/2017 17028269 07440-61-1 L GS10 SL 2/2/2017 17028269 07440-61-1 L GS10 SL 2/26/2017 17028269 07440-61-1 L GS13 SL 1/12/2016 16118157 07440-61-1 L GS13 SL 1/12/2017 17018236 07440-61-1 L GS13 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17018236 07440-61-1 L GS13 SL 2/2/2017 17018236 07440-61-1 L GS13 SL	Uranium	N002	52	ug/L		D	0.05		valid	G	STD
B30UTFLOW SL	Nitrate + Nitrite as Nitrogen	N001		mg/L		F	0.019		valid	G	STD
B3OUTFLOW SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
B3OUTFLOW SL 2/6/2017 17028269 07440-61-1 L B3OUTFLOW SL 2/22/2017 17028299 07440-61-1 L B5INFLOW SL 1/12/2017 17018236 07440-61-1 L B5INFLOW SL 1/25/2017 17018252 07440-61-1 L B5INFLOW SL 1/25/2017 17018252 07440-61-1 L B5INFLOW SL 2/22/2017 17028269 07440-61-1 L B5INFLOW SL 2/6/2017 17028269 07440-61-1 L B5INFLOW SL 2/22/2017 17028269 07440-61-1 L B5INFLOW SL 2/22/2017 17028269 07440-61-1 L B5INFLOW SL 1/12/2017 17018236 07440-61-1 L B5INFLOW SL 1/12/2017 17018252 07440-61-1 L B5INFLOW SL 2/6/2017 17028269 07440-61-1 L B5INFLOW SL 2/6/2017 17018236 07440-61-1 L B5INFLOW SL 2/6/2017 17018236 07440-61-1 L B5INFLOW SL 2/6/2017 17018236 07440-61-1 L B5INFLOW SL 2/6/2017 17018252 07440-61-1	Uranium	N001	21	ug/L		F	0.05		valid	G	STD
B30UTFLOW SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
B5INFLOW SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
B5INFLOW SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
B5INFLOW SL 2/6/2017 17028269 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
B5INFLOW SL 2/2/2017 17028299 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS08 SL 2/6/2017 17028269 NO3+NO2 AS N N	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS08 SL 2/6/2017 17028269 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
GS08 SL	Nitrate + Nitrite as Nitrogen	N001		mg/L	U	F	0.019		valid	G	STD
SS08 SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS10 SL	Uranium	N001		ug/L		F	0.05		valid	G	STD
GS10 SL	Uranium	N002		ug/L		D	0.05		valid	G	STD
SS10 SL	Uranium	N003		ug/L		F	0.05		valid	G	STD
SS10 SL 2/6/2017 17028269 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
GS10 SL 2/6/2017 17028269 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS10 SL 2/22/2017 17028299 07440-61-1 L	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS13 SL	Uranium	N002		ug/L		D	0.05		valid	G	STD
GS13 SL 11/21/2016 16118157 07440-61-1 L GS13 SL 1/12/2017 17018236 NO3+NO2 AS N N GS13 SL 1/12/2017 17018236 07440-61-1 L GS13 SL 1/25/2017 17018252 NO3+NO2 AS N N GS13 SL 1/25/2017 17018252 07440-61-1 L GS13 SL 2/6/2017 17028269 NO3+NO2 AS N N GS13 SL 2/6/2017 17028269 NO3+NO2 AS N N GS13 SL 2/6/2017 17028269 NO3+NO2 AS N N GS13 SL 2/2/2/2017 17028269 NO3+NO2 AS N N GS13 SL 2/2/2/2017 17028299 NO3+NO2 AS N N GS13 SL 2/2/2/2017 17028299 NO3+NO2 AS N N GS13 SL 2/2/2/2017 17028299 NO3+NO2 AS N N SPOUT TS 1/12/2017 17018236 07440-61-1 L SPOUT TS 1/2/2/2017 17018252 NO3+NO2 AS N N	Uranium	N001		ug/L		F	0.05		valid	G	STD
SS13 SL	Nitrate + Nitrite as Nitrogen	N003		mg/L		F	0.48		valid	G	STD
GS13 SL	Uranium	N003		ug/L		F	0.05		valid	G	STD
GS13 SL 1/25/2017 17018252 NO3+NO2 AS N N GS13 SL 1/25/2017 17018252 07440-61-1 L GS13 SL 2/6/2017 17028269 NO3+NO2 AS N N GS13 SL 2/6/2017 17028269 07440-61-1 L GS13 SL 2/22/2017 17028269 NO3+NO2 AS N N GS13 SL 2/22/2017 17028299 NO3+NO2 AS N N GS13 SL 2/22/2017 17028299 07440-61-1 L SPOUT TS 1/12/2017 17018236 NO3+NO2 AS N N SPOUT TS 1/12/2017 17018236 07440-61-1 L SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/2/2017 1702	Nitrate + Nitrite as Nitrogen	N001		mg/L		F	0.095		valid	G	STD
SS13 SL	Uranium	N001		ug/L		-	0.05		valid	G	STD
GS13 SL 2/6/2017 17028269 NO3+NO2 AS N N GS13 SL 2/6/2017 17028269 07440-61-1 L GS13 SL 2/2/2017 17028269 NO3+NO2 AS N N GS13 SL 2/2/2017 17028299 07440-61-1 L SPOUT TS 1/12/2017 17018236 NO3+NO2 AS N N SPOUT TS 1/12/2017 17018236 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 07440-61-1 L SPOUT TS 1/25/2017 17018252 07440-61-1 L SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/2/2/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/2/2/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/2/2/2017 <td< td=""><td>Nitrate + Nitrite as Nitrogen</td><td>N001</td><td></td><td>mg/L</td><td></td><td>-</td><td>0.095</td><td></td><td>valid</td><td>G</td><td>STD</td></td<>	Nitrate + Nitrite as Nitrogen	N001		mg/L		-	0.095		valid	G	STD
GS13 SL 2/6/2017 17028269 07440-61-1 L	Uranium	N001		ug/L		-	0.05		valid	G	STD
GS13 SL 2/22/2017 17028299 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001		mg/L		-	0.095		valid	G	STD
GS13 SL 2/22/2017 17028299 07440-61-1 L	Uranium	N001		ug/L	1	Г	0.05		valid	0	STD
SPOUT TS 1/12/2017 17018236 NO3+NO2 AS N N SPOUT TS 1/12/2017 17018236 07440-61-1 L SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 07440-61-1 L SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/12/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001 N001		mg/L	1	Г	0.038		valid	0	STD
SPOUT TS 1/12/2017 17018236 07440-61-1 L SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 07440-61-1 L SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018256 07440-61-1 L SW093 SL 1/25/2017 17018252 073+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 <t< td=""><td>Uranium</td><td></td><td></td><td>ug/L</td><td></td><td>F</td><td>0.05 0.019</td><td></td><td>valid</td><td>C</td><td>STD</td></t<>	Uranium			ug/L		F	0.05 0.019		valid	C	STD
SPOUT TS 1/25/2017 17018252 NO3+NO2 AS N N SPOUT TS 1/25/2017 17018252 07440-61-1 N SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/22/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N <td>Nitrate + Nitrite as Nitrogen Uranium</td> <td>N001 N001</td> <td></td> <td>mg/L i ug/L</td> <td>٢</td> <td>E</td> <td>0.019</td> <td></td> <td>valid valid</td> <td>G</td> <td>STD</td>	Nitrate + Nitrite as Nitrogen Uranium	N001 N001		mg/L i ug/L	٢	E	0.019		valid valid	G	STD
SPOUT TS 1/25/2017 17018252 07440-61-1 L SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001 N001		mg/L	h	E	0.05		valid	G	STD
SPOUT TS 2/6/2017 17028269 NO3+NO2 AS N N SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/2/2/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/2/2/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 NO3+NO2 AS N I SW093 SL 2/2/2/2017 17028269 NO3+NO2 AS N I SW093 SL 2/2/2/2017 17028269 NO3+NO2 AS N I	Uranium	N001 N001		ng/L ug/L	-	E	0.019		valid	G	STD
SPOUT TS 2/6/2017 17028269 07440-61-1 L SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N		N001		ma/L	11	Г	0.05		valid	C	STD
SPOUT TS 2/22/2017 17028299 NO3+NO2 AS N N SPOUT TS 2/22/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/22/2017 17028299 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001 N001			U	<u></u>	0.019		valid	G	STD
SPOUT TS 2/22/2017 17028299 07440-61-1 L SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/2/2/2017 17028269 NO3+NO2 AS N N SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N	Uranium Nitrate + Nitrite as Nitrogen	N001 N001		ug/L mg/L	1	E	0.05		valid	G	STD
SW093 SL 1/12/2017 17018236 NO3+NO2 AS N N SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N	Uranium	N001 N001	0.084		1	E	0.019		valid	G	STD
SW093 SL 1/12/2017 17018236 07440-61-1 L SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001 N001		mg/L	+	<u></u>	0.05		valid	G	STD
SW093 SL 1/25/2017 17018252 NO3+NO2 AS N N SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N SW093 SL 2/2/2/2017 17028299 NO3+NO2 AS N N	Uranium	N001		ing/L iug/L	+	F	0.019		valid	G	STD
SW093 SL 1/25/2017 17018252 07440-61-1 L SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/2/22/2017 17028299 NO3+NO2 AS N N	Nitrate + Nitrite as Nitrogen	N001		mg/L	1	F	0.03		valid	G	STD
SW093 SL 2/6/2017 17028269 NO3+NO2 AS N N SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/22/2017 17028299 NO3+NO2 AS N N		N001 N001		ug/L	1	E	0.019		valid	G	STD
SW093 SL 2/6/2017 17028269 07440-61-1 L SW093 SL 2/22/2017 17028299 NO3+NO2 AS N N	Uranium Nitrate + Nitrite as Nitrogen	N001 N001		mg/L	1	E	0.05		valid	G	STD
SW093 SL 2/22/2017 17028299 NO3+NO2 AS N N		N001		ug/L	1	E	0.019		valid	G	STD
	Uranium Nitrato + Nitrito ao Nitragon	N001 N001			 	r'	0.05			9	STD
3vv093 3L 2/22/2017 17/028299 0/440-61-1 L	Nitrate + Nitrite as Nitrogen Uranium	N001 N001		mg/L	 	r'	0.019		valid valid	9	STD
WALPOC SL 6/16/2016 17018220 AM-241 A				ug/L	h	Г	0.05	0.017	valiu	G C	GEN
	Americium-241 Plutonium-239, 240	N002 N002	0.00784		HU	ir E	0.0372	0.017	ı	C	GEN

	LOCATION		LAB REQUISITION			SAMPLE			LAB	SAMPLE	DETECTION	UNCER-	DATA VALIDATION	COLLECTION	LAB
LOCATION CODE		DATE SAMPLED		CAS	ANALYTE	ID	RESULT	UNITS	QUALIFIERS	TYPE	LIMIT	TAINTY	QUALIFIERS	METHOD	CODE
WALPOC	SL	6/16/2016	17018220	07440-61-1	Uranium	N002	16.9	ug/L		F	0.067		valid	С	GEN
WALPOC	SL	1/3/2017	17018258	AM-241	Americium-241	N002	-0.00386	pCi/L	U	F	0.0181	0.00976	valid	С	GEN
WALPOC	SL	1/3/2017	17018220	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.0499	mg/L	J	F	0.017		valid	G	GEN
WALPOC	SL	1/3/2017	17018258	PU-239,240	Plutonium-239, 240	N002	0.0114	pCi/L	U	F	0.0245	0.0154	valid	С	GEN
WALPOC	SL	1/3/2017	17018258	07440-61-1	Uranium	N002	18.5	ug/L		F	0.067		valid	С	GEN
WOMPOC	SL	11/22/2016	17018220	AM-241	Americium-241	N001	0.00124	pCi/L	U	F	0.0177	0.01	valid	С	GEN
WOMPOC	SL	11/22/2016	17018220	PU-239,240	Plutonium-239, 240	N001	0.00726	pCi/L	U	F	0.0231	0.0142	valid	С	GEN
WOMPOC	SL	11/22/2016	17018220	07440-61-1	Uranium	N001	3.72	ug/L		F	0.067		valid	С	GEN
WOMPOC	SL	1/3/2017	17028259	AM-241	Americium-241	N001	0.00614	pCi/L	U	F	0.0217	0.0135	valid	С	GEN
WOMPOC	SL	1/3/2017	17028259	PU-239,240	Plutonium-239, 240	N001	1.2E-09	pCi/L	U	F	0.0216	0.00977	valid	С	GEN
WOMPOC	SL	1/3/2017	17028259	07440-61-1	Uranium	N001	3.5	ug/L		F	0.067		valid	С	GEN

EXPLANATION

J

L

Q

R

U

X

Possible grout contamination, pH > 9.

Less than 3 bore volumes purged prior to sampling.

Qualitative result due to sampling technique

Parameter analyzed for but was not detected.

Estimated value.

Unusable result.

Location is undefined.

Validation not complete

SAMPLE_ID		LAB_QUALIFIERS	
N00x = Sample w	vas not filtered.	*	Replicate analysis not within control limits.
000x = Sample w	ras filtered.	+	Correlation coefficient for MSA < 0.995.
		>	Result above upper detection limit.
WATER_UNIT_	OF_MEASURE	Α	TIC is a suspected aldol-condensation product.
mg/L; ppm = milli	grams per liter	В	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
pCi/L = picocuries	s per liter	С	Pesticide result confirmed by GC-MS.
ug/L = microgram	ns per liter	D	Analyte determined in diluted sample.
C = degrees celsi	ius	E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
mS/cm = milliSier	mens per centimeter	Н	Holding time expired, value suspect.
NTU = normal tur	bidity units	I	Increased detection limit due to required dilution.
s.u. = standard pl	H units	J	Estimated
uS/cm = microSie	emens per centimeter	M	GFAA duplicate injection precision not met.
umhos/cm = micr	oSiemens per centimeter	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).
SAMPLE_TYPE		U	Analytical result below detection limit.
F = Field Sample		W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
D = Duplicate		X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
		Υ	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
		Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
	TION_QUALIFIERS		
valid	Result is valid.		
F	Low flow sampling method used.	LOCATION_TYPE	LAB_CODE

SURFACE LOCATION

TREATMENT SYSTEM

WELL

Grab

Composite

SL

TS

WL

COLLECTION_METHOD

GEN Gel Laboratories

STD Test America

	Samplin	g Dates		Sample Info		Analytes				Sample Tracking Info		
Location Code	Start	End	Collection Method	Туре	Filtered	voc	U	Nitrate	Pu/Am	TSS	Ticket	RIN#
GS08	5/16/2016 12:27	8/15/2016 14:15	composite	F	No		Х		Χ		OJS 798	16087989
B5INFLOW	6/16/2016 10:20	8/11/2016 11:46	composite	D	No		Х				OJS 803	16087989
B5INFLOW	6/16/2016 10:20	8/11/2016 11:46	composite	F	No		Х				OJS 799	16087989
SW093	7/14/2016 11:13	7/14/2016 11:13	grab	F	No		Х	Х			OIQ 164	16077938
GS13	7/14/2016 11:27	7/14/2016 11:27	grab	F	No		Х	Х			OIQ 162	16077938
GS10	7/14/2016 13:40	7/14/2016 13:40	grab	F	No		Х				OIQ 166	16077938
GS10	7/28/2016 10:18	7/28/2016 10:18	grab	F	No		Χ				OJS 208	16087957
SW093	7/28/2016 10:50	7/28/2016 10:50	grab	F	No		Χ	Х			OJS 209	16087957
SW093	8/10/2016 9:12	8/10/2016 9:12	grab	F	No		Х	Х			OJS 802	16087990
GS10	8/11/2016 12:32	8/11/2016 12:32	grab	F	No		Х				OJS 801	16087990
11104	8/17/2016 11:05	8/17/2016 11:05	grab	F	No	Χ					OJS 765	16087983
4087	8/19/2016 11:52	8/19/2016 11:52	grab	F	No	Χ					OJS 766	16087983
B206989	8/19/2016 12:20	8/19/2016 12:20	grab	F	No	Х					OJS 768	16087983
GS10	8/30/2016 13:07	8/30/2016 13:07	grab	F	No		Х				OKU 495	16098008
GS10	8/30/2016 13:07	8/30/2016 13:07	grab	D	No		Х				OKU 499	16098008
SW093	8/30/2016 13:42	8/30/2016 13:42	grab	F	No		Х	Χ			OKU 496	16098008
SW093	9/15/2016 12:20	9/15/2016 12:20	grab	F	No		Х	Х			OKU 642	16098020
GS10	9/15/2016 13:48	9/15/2016 13:48	grab	F	No		Х				OKU 643	16098020
SPOUT	9/19/2016 12:42	9/19/2016 12:42	grab	F	No		Χ	Χ			OKU 641	16098020

EXPLANATION

Sample Info: Type

F = Field Sample

D = Duplicate

Analytes

VOC = volatile organic compounds

U = uranium

Nitrate = nitrate + nitrite as N

Pu/Am = plutonium-239,240 and americium-241

SVOC = semi-volatile organic compounds

TSS = total suspended solids

Sample Tracking Info: Ticket

- tracking identifier

Sample Tracking Info: RIN#

- lab requisition number

Sample Tracking Info: COC Date

- Chain of Custody date