

Rocky Flats, Colorado, Site

**Surface Water Configuration
Adaptive Management Plan
Quarterly Report**

Second Quarter Calendar Year 2015

July 2015



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

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Abbreviations

AMP	Adaptive Management Plan
CY	calendar year
DOE	U.S. Department of Energy
EA	<i>Rocky Flats Surface Water Configuration Environmental Assessment</i>
POC	Point of Compliance
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, Colorado, Site (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, this 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) 2015 is provided in accordance with Section 5.0, "Reporting," in the AMP. Section 3.0 provides the second quarter data summary tables, which include all validated analytical data available as of June 30, 2015. 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." Analytical data for the following AMP monitoring objectives are included in this report:

- 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 N in Walnut Creek (Item 8, AMP Table 2)

2.0 AMP Highlights: Second Quarter CY 2015

- Nine informal emails were transmitted to AMP participants providing notification that composite samples from the downstream-most Points of Compliance (POCs) had been retrieved from the field (WOMPOC—Woman Creek at COU boundary and WALPOC—Walnut Creek at COU boundary).
- Five informal emails were transmitted to AMP participants providing notification that recent analytical data from the downstream-most POCs had been validated and would soon be available through the Geospatial Environmental Mapping System (GEMS).
- Two informal emails were transmitted to AMP participants providing notification of individual analytical results from POCs and/or 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, 142 samples were collected in support of AMP monitoring objectives.

3.0 Analytical Data: Second Quarter CY 2015

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

Table 2, “Water Sampling Events: Second Quarter CY 2015,” is available at the end of this report.

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
42505	WL	4/30/2015	15046973	000630-20-6	1,1,1,2-Tetrachloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000071-55-6	1,1,1-Trichloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000079-34-5	1,1,2,2-Tetrachloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000079-00-5	1,1,2-Trichloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-34-3	1,1-Dichloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-35-4	1,1-Dichloroethene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000563-58-6	1,1-Dichloropropene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000087-61-6	1,2,3-Trichlorobenzene	N001	0.2	ug/L	U	F	0.2		F	G	GEN
42505	WL	4/30/2015	15046973	000096-18-4	1,2,3-Trichloropropane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000120-82-1	1,2,4-Trichlorobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000095-63-6	1,2,4-Trimethylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000096-12-8	1,2-Dibromo-3-chloropropane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000106-93-4	1,2-Dibromoethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000095-50-1	1,2-Dichlorobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000107-06-2	1,2-Dichloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000078-87-5	1,2-Dichloropropane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000108-67-8	1,3,5-Trimethylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000541-73-1	1,3-Dichlorobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000142-28-9	1,3-Dichloropropane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000106-46-7	1,4-Dichlorobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000584-20-7	2,2-Dichloropropane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000078-93-3	2-Butanone	N001	0.5	ug/L	U	F	0.5		F	G	GEN
42505	WL	4/30/2015	15046973	000095-49-8	2-Chlorotoluene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000591-78-6	2-Hexanone	N001	0.5	ug/L	U	F	0.5		F	G	GEN
42505	WL	4/30/2015	15046973	000106-43-4	4-Chlorotoluene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000108-10-1	4-Methyl-2-Pentanone	N001	0.5	ug/L	U	F	0.5		F	G	GEN
42505	WL	4/30/2015	15046973	000067-64-1	Acetone	N001	0.5	ug/L	U	F	0.5		F	G	GEN
42505	WL	4/30/2015	15046973	000071-43-2	Benzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000108-86-1	Bromobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000074-97-5	Bromochloromethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-27-4	Bromodichloromethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-25-2	Bromoform	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000074-83-9	Bromomethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-15-0	Carbon Disulfide	N001	0.5	ug/L	U	F	0.5		F	G	GEN
42505	WL	4/30/2015	15046973	000056-23-5	Carbon tetrachloride	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000108-90-7	Chlorobenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000124-48-1	Chlorodibromomethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-00-3	Chloroethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000067-66-3	Chloroform	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000074-87-3	Chloromethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000156-59-2	cis-1,2-Dichloroethene	N001	1.38	ug/L	(blank)	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	010061-01-5	cis-1,3-Dichloropropene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000074-95-3	Dibromomethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-71-8	Dichlorodifluoromethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000100-41-4	Ethylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000087-68-3	Hexachlorobutadiene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000098-82-8	Isopropylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-09-2	Methylene chloride	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000091-20-3	Naphthalene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000104-51-8	n-Butylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000103-65-1	n-Propylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000099-87-6	p-Isopropyltoluene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000135-98-8	sec-Butylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000100-42-5	Styrene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000098-06-6	tert-Butylbenzene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000127-18-4	Tetrachloroethene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000108-88-3	Toluene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	001330-20-7	Total Xylenes	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000156-60-5	trans-1,2-Dichloroethene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	010061-02-6	trans-1,3-dichloropropene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000079-01-6	Trichloroethene	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-69-4	Trichlorofluoromethane	N001	0.16	ug/L	U	F	0.16		F	G	GEN
42505	WL	4/30/2015	15046973	000075-01-4	Vinyl chloride	N001	0.16	ug/L	U	F	0.16		F	G	GEN
A1EFF	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	12	mg/L	B	F	0.038		valid	G	STD

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
A1EFF	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	7.7	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	20	mg/L	(blank)	F	0.038		valid	G	STD
A1EFF	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	22	mg/L	(blank)	D	0.095		valid	G	STD
A1EFF	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	11	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	3/16/2015	15036864	07440-61-1	Uranium	N002	11	ug/L	(blank)	D	0.05		valid	G	STD
A1EFF	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	22	mg/L	(blank)	F	0.095		valid	G	STD
A1EFF	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	28	mg/L	(blank)	F	0.095		valid	G	STD
A1EFF	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	15	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	11	mg/L	B	F	0.038		J	G	STD
A2EFF	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	10	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	17	mg/L	(blank)	F	0.038		valid	G	STD
A2EFF	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	NA	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	19	mg/L	(blank)	D	0.095		valid	G	STD
A2EFF	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	16	mg/L	(blank)	F	0.038		valid	G	STD
A2EFF	NA	3/31/2015	15046907	07440-61-1	Uranium	N001	17	ug/L	(blank)	D	0.05		valid	G	STD
A2EFF	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	17	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	23	mg/L	(blank)	F	0.19		valid	G	STD
A2EFF	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	21	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	10	mg/L	B	F	0.038		valid	G	STD
A3EFF	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	15	mg/L	(blank)	F	0.038		valid	G	STD
A3EFF	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	14	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	13	mg/L	(blank)	F	0.038		valid	G	STD
A3EFF	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	20	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	14	mg/L	(blank)	F	0.038		valid	G	STD
A3EFF	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	13	mg/L	(blank)	D	0.095		valid	G	STD
A3EFF	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	23	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	4/14/2015	15046929	07440-61-1	Uranium	N002	24	ug/L	(blank)	D	0.05		valid	G	STD
A4 POND	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	8.9	mg/L	B	F	0.019		valid	G	STD
A4 POND	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	9.3	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	14	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	19	mg/L	(blank)	F	0.095		valid	G	STD
A4 POND	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	18	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	6.3	mg/L	(blank)	F	0.095		valid	G	STD
A4 POND	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	20	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	22	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	18	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	7.4	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	2/19/2015	15036839	07440-61-1	Uranium	N002	17.9	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	20	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	3/9/2015	15036838	07440-61-1	Uranium	N001	13.6	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	3/10/2015	15036873	07440-61-1	Uranium	N001	14.2	ug/L	(blank)	F	0.067		valid	G	GEN
B5INFLOW	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	17	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	3/16/2015	15046909	07440-61-1	Uranium	N002	16.4	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	15	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	3/31/2015	15046921	07440-61-1	Uranium	N002	15.1	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/7/2015	15046944	07440-61-1	Uranium	N001	12.3	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	14	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	4/17/2015	15046957	07440-61-1	Uranium	N001	8.22	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/21/2015	15046983	07440-61-1	Uranium	N001	13.8	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/27/2015	15057020	07440-61-1	Uranium	N001	10.7	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	5/7/2015	15057023	07440-61-1	Uranium	N001	7.51	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	5/9/2015	15057060	07440-61-1	Uranium	N001	6.34	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	2/3/2015	15026824	AM-241	Americium-241	N001	-0.00271	pCi/L	U	F	0.0175	0.0112	valid	C	GEN
GS01	SL	2/3/2015	15026824	PU-239,240	Plutonium-239, 240	N001	0.00145	pCi/L	U	F	0.0266	0.00942	valid	C	GEN
GS01	SL	2/3/2015	15026824	07440-61-1	Uranium	N001	4.07	ug/L	(blank)	F	0.067		J	C	GEN
GS01	SL	2/25/2015	15036859	AM-241	Americium-241	N001	0.00508	pCi/L	U	F	0.0165	0.00789	valid	C	GEN
GS01	SL	2/25/2015	15036859	PU-239,240	Plutonium-239, 240	N001	0.00909	pCi/L	U	F	0.0278	0.0111	valid	C	GEN
GS01	SL	2/25/2015	15036859	07440-61-1	Uranium	N001	2.06	ug/L	(blank)	F	0.067		valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS01	SL	3/12/2015	15036891	AM-241	Americium-241	N001	0	pCi/L	U	F	0.0172	0.00638	valid	C	GEN
GS01	SL	3/12/2015	15036891	PU-239,240	Plutonium-239, 240	N001	-0.0158	pCi/L	U	F	0.0322	0.0198	valid	C	GEN
GS01	SL	3/12/2015	15036891	07440-61-1	Uranium	N001	2.55	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	3/26/2015	15046944	AM-241	Americium-241	N001	0.00121	pCi/L	U	F	0.0144	0.00627	valid	C	GEN
GS01	SL	3/26/2015	15046944	PU-239,240	Plutonium-239, 240	N001	0.00415	pCi/L	U	F	0.0189	0.00499	valid	C	GEN
GS01	SL	3/26/2015	15046944	07440-61-1	Uranium	N001	3.54	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	4/17/2015	15046957	AM-241	Americium-241	N001	0	pCi/L	U	F	0.0313	0.0123	valid	C	GEN
GS01	SL	4/17/2015	15046957	PU-239,240	Plutonium-239, 240	N001	0.00863	pCi/L	U	F	0.0269	0.0132	valid	C	GEN
GS01	SL	4/17/2015	15046957	07440-61-1	Uranium	N001	1.42	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	4/21/2015	15046983	AM-241	Americium-241	N001	0.0041	pCi/L	U	F	0.0163	0.00804	valid	C	GEN
GS01	SL	4/21/2015	15046983	PU-239,240	Plutonium-239, 240	N001	0.00886	pCi/L	U	F	0.0331	0.0125	valid	C	GEN
GS01	SL	4/21/2015	15046983	07440-61-1	Uranium	N001	1.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	5/4/2015	15057023	AM-241	Americium-241	N001	-0.00167	pCi/L	U	F	0.0236	0.00731	valid	C	GEN
GS01	SL	5/4/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.008	pCi/L	U	F	0.0249	0.00908	valid	C	GEN
GS01	SL	5/4/2015	15057023	07440-61-1	Uranium	N001	1.43	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	8/12/2014	15026824	AM-241	Americium-241	N001	0.00222	pCi/L	U	F	0.0288	0.0115	valid	C	GEN
GS03	SL	8/12/2014	15026824	PU-239,240	Plutonium-239, 240	N001	0.0198	pCi/L	U	F	0.0279	0.0124	valid	C	GEN
GS03	SL	8/12/2014	15026824	07440-61-1	Uranium	N001	18.7	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	2/24/2015	15036839	AM-241	Americium-241	N001	-0.00502	pCi/L	U	F	0.0326	0.0139	valid	C	GEN
GS03	SL	2/24/2015	15026824	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	590	mg/L	(blank)	F	8.5		R	G	GEN
GS03	SL	2/24/2015	15036839	PU-239,240	Plutonium-239, 240	N001	0.0102	pCi/L	U	F	0.0207	0.0097	valid	C	GEN
GS03	SL	2/24/2015	15036839	07440-61-1	Uranium	N001	10.7	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	3/9/2015	15036859	AM-241	Americium-241	N001	0.00279	pCi/L	U	F	0.0181	0.0122	valid	C	GEN
GS03	SL	3/9/2015	15036839	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	2.7	mg/L	(blank)	F	0.085		J	G	GEN
GS03	SL	3/9/2015	15036859	PU-239,240	Plutonium-239, 240	N001	2.74E-10	pCi/L	U	F	0.0301	0.00644	valid	C	GEN
GS03	SL	3/9/2015	15036859	07440-61-1	Uranium	N001	6.53	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	3/12/2015	15036891	AM-241	Americium-241	N001	0.0053	pCi/L	U	F	0.0137	0.0075	valid	G	GEN
GS03	SL	3/12/2015	15036859	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	2.79	mg/L	(blank)	F	0.085		valid	G	GEN
GS03	SL	3/12/2015	15036891	PU-239,240	Plutonium-239, 240	N001	0.016	pCi/L	U	F	0.0327	0.0153	valid	G	GEN
GS03	SL	3/12/2015	15036891	07440-61-1	Uranium	N001	10.1	ug/L	(blank)	F	0.067		valid	G	GEN
GS03	SL	3/26/2015	15046944	AM-241	Americium-241	N002	0.00901	pCi/L	U	F	0.0179	0.0102	valid	C	GEN
GS03	SL	3/26/2015	15036891	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	1.45	mg/L	(blank)	F	0.017		valid	G	GEN
GS03	SL	3/26/2015	15046944	PU-239,240	Plutonium-239, 240	N002	0.00124	pCi/L	U	F	0.0227	0.0122	valid	C	GEN
GS03	SL	3/26/2015	15046944	07440-61-1	Uranium	N002	13.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/17/2015	15046957	AM-241	Americium-241	N002	0.00714	pCi/L	U	F	0.0336	0.0155	valid	C	GEN
GS03	SL	4/17/2015	15046944	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.58	mg/L	(blank)	F	0.085		valid	G	GEN
GS03	SL	4/17/2015	15046957	PU-239,240	Plutonium-239, 240	N002	0.0104	pCi/L	U	F	0.0216	0.00936	valid	C	GEN
GS03	SL	4/17/2015	15046957	07440-61-1	Uranium	N002	5.54	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/21/2015	15046983	AM-241	Americium-241	N002	-1.59E-09	pCi/L	U	F	0.0228	0.013	valid	C	GEN
GS03	SL	4/21/2015	15046957	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.3	mg/L	(blank)	F	0.085		valid	G	GEN
GS03	SL	4/21/2015	15046983	PU-239,240	Plutonium-239, 240	N002	0.0017	pCi/L	U	F	0.0311	0.01	valid	C	GEN
GS03	SL	4/21/2015	15046983	07440-61-1	Uranium	N002	7.48	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/28/2015	15057020	AM-241	Americium-241	N002	-0.00181	pCi/L	U	F	0.0256	0.00938	valid	C	GEN
GS03	SL	4/28/2015	15046983	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.19	mg/L	(blank)	F	0.085		valid	G	GEN
GS03	SL	4/28/2015	15057020	PU-239,240	Plutonium-239, 240	N002	0.00576	pCi/L	U	F	0.0269	0.00894	valid	C	GEN
GS03	SL	4/28/2015	15057020	07440-61-1	Uranium	N002	6.86	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	5/6/2015	15057023	AM-241	Americium-241	N002	-0.00528	pCi/L	U	F	0.0249	0.0158	valid	C	GEN
GS03	SL	5/6/2015	15057020	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.79	mg/L	(blank)	F	0.085		valid	G	GEN
GS03	SL	5/6/2015	15057023	PU-239,240	Plutonium-239, 240	N002	0.0651	pCi/L	(blank)	F	0.0312	0.0236	J	C	GEN
GS03	SL	5/6/2015	15057023	07440-61-1	Uranium	N002	4.43	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	5/9/2015	15057060	AM-241	Americium-241	N001	0.031	pCi/L	U	F	0.0455	0.0229	valid	C	GEN
GS03	SL	5/9/2015	15057023	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	1.18	mg/L	(blank)	F	0.017		valid	G	GEN
GS03	SL	5/9/2015	15057060	PU-239,240	Plutonium-239, 240	N001	0.0139	pCi/L	U	F	0.0259	0.0109	valid	C	GEN
GS03	SL	5/9/2015	15057060	07440-61-1	Uranium	N001	3.58	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	5/18/2015	15057060	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.26	mg/L	(blank)	F	0.085		valid	G	GEN
GS08	SL	2/9/2015	15036838	AM-241	Americium-241	N001	-0.00358	pCi/L	U	F	0.0464	0.0289	valid	C	GEN
GS08	SL	2/9/2015	15036838	PU-239,240	Plutonium-239, 240	N001	0.0271	pCi/L	U	F	0.031	0.0236	valid	C	GEN
GS08	SL	2/9/2015	15036838	07440-61-1	Uranium	N001	11.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	3/9/2015	15036856	AM-241	Americium-241	N001	-0.0022	pCi/L	U	F	0.0285	0.0177	valid	C	GEN
GS08	SL	3/9/2015	15036856	PU-239,240	Plutonium-239, 240	N001	0.0036	pCi/L	U	F	0.022	0.0122	valid	C	GEN
GS08	SL	3/9/2015	15036856	07440-61-1	Uranium	N001	13.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	3/11/2015	15036883	AM-241	Americium-241	N001	0.0125	pCi/L	U	F	0.0181	0.0126	valid	C	GEN
GS08	SL	3/11/2015	15036883	PU-239,240	Plutonium-239, 240	N001	0.00284	pCi/L	U	F	0.026	0.0167	valid	C	GEN
GS08	SL	3/11/2015	15036883	07440-61-1	Uranium	N001	12.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	3/18/2015	15046921	AM-241	Americium-241	N001	0.0551	pCi/L	(blank)	F	0.0253	0.0233	valid	C	GEN
GS08	SL	3/18/2015	15046921	PU-239,240	Plutonium-239, 240	N001	0.0587	pCi/L	(blank)	F	0.0165	0.0187	valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS08	SL	3/18/2015	15046921	07440-61-1	Uranium	N001	15.8	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	4/7/2015	15046944	AM-241	Americium-241	N001	-0.00319	pCi/L	U	F	0.0191	0.0099	valid	C	GEN
GS08	SL	4/7/2015	15046944	PU-239,240	Plutonium-239, 240	N001	0.0176	pCi/L	U	F	0.0229	0.0121	valid	C	GEN
GS08	SL	4/7/2015	15046944	07440-61-1	Uranium	N001	12.1	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	4/17/2015	15046957	AM-241	Americium-241	N001	0.0141	pCi/L	U	F	0.0333	0.0146	valid	C	GEN
GS08	SL	4/17/2015	15046957	PU-239,240	Plutonium-239, 240	N001	0.01	pCi/L	U	F	0.0234	0.0078	valid	C	GEN
GS08	SL	4/17/2015	15046957	07440-61-1	Uranium	N001	8.53	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	4/21/2015	15046983	AM-241	Americium-241	N001	0.00547	pCi/L	U	F	0.0326	0.0131	valid	C	GEN
GS08	SL	4/21/2015	15046983	PU-239,240	Plutonium-239, 240	N001	0.00476	pCi/L	U	F	0.0297	0.00934	valid	C	GEN
GS08	SL	4/21/2015	15046983	07440-61-1	Uranium	N001	11.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	5/5/2015	15057023	AM-241	Americium-241	N001	0.00347	pCi/L	U	F	0.0245	0.00833	valid	C	GEN
GS08	SL	5/5/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.00162	pCi/L	U	F	0.0302	0.0105	valid	C	GEN
GS08	SL	5/5/2015	15057023	07440-61-1	Uranium	N001	11.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	5/8/2015	15057023	AM-241	Americium-241	N001	0.00326	pCi/L	U	F	0.0231	0.00783	valid	C	GEN
GS08	SL	5/8/2015	15057023	AM-241	Americium-241	N002	0.00795	pCi/L	U	D	0.0225	0.0129	valid	C	GEN
GS08	SL	5/8/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.0157	pCi/L	U	F	0.0326	0.0157	valid	C	GEN
GS08	SL	5/8/2015	15057023	PU-239,240	Plutonium-239, 240	N002	0.0107	pCi/L	U	D	0.025	0.0117	valid	C	GEN
GS08	SL	5/8/2015	15057023	07440-61-1	Uranium	N001	8.83	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	5/8/2015	15057023	07440-61-1	Uranium	N002	8.69	ug/L	(blank)	D	0.067		valid	C	GEN
GS08	SL	5/14/2015	15057060	AM-241	Americium-241	N001	0.00174	pCi/L	U	F	0.0246	0.0102	valid	C	GEN
GS08	SL	5/14/2015	15057060	AM-241	Americium-241	N002	0.0179	pCi/L	U	D	0.0656	0.0328	valid	C	GEN
GS08	SL	5/14/2015	15057060	PU-239,240	Plutonium-239, 240	N001	0.00662	pCi/L	U	F	0.0247	0.00937	valid	C	GEN
GS08	SL	5/14/2015	15057060	PU-239,240	Plutonium-239, 240	N002	0.00854	pCi/L	U	D	0.02	0.0084	valid	C	GEN
GS08	SL	5/14/2015	15057060	07440-61-1	Uranium	N001	6.98	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	5/14/2015	15057060	07440-61-1	Uranium	N002	6.91	ug/L	(blank)	D	0.067		valid	C	GEN
GS10	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	22	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	18	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	11	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	18	ug/L	(blank)	F	0.05		valid	G	STD
GS11	SL	1/29/2015	15026824	AM-241	Americium-241	N002	-0.00195	pCi/L	U	F	0.0253	0.00857	valid	C	GEN
GS11	SL	1/29/2015	15026824	PU-239,240	Plutonium-239, 240	N002	-0.00317	pCi/L	U	F	0.0291	0.0132	valid	C	GEN
GS11	SL	1/29/2015	15026824	07440-61-1	Uranium	N002	19.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	2/24/2015	15036839	AM-241	Americium-241	N001	-0.00645	pCi/L	U	F	0.0279	0.00942	valid	C	GEN
GS11	SL	2/24/2015	15026824	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	575	mg/L	(blank)	F	8.5		R	G	GEN
GS11	SL	2/24/2015	15036839	PU-239,240	Plutonium-239, 240	N001	0.00383	pCi/L	U	F	0.0234	0.00751	valid	C	GEN
GS11	SL	2/24/2015	15036839	07440-61-1	Uranium	N001	18.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	3/9/2015	15036855	AM-241	Americium-241	N001	0.00217	pCi/L	U	F	0.0281	0.0112	valid	C	GEN
GS11	SL	3/9/2015	15036839	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	7.2	mg/L	(blank)	F	0.085		J	G	GEN
GS11	SL	3/9/2015	15036855	PU-239,240	Plutonium-239, 240	N001	0.0186	pCi/L	U	F	0.0243	0.0128	valid	C	GEN
GS11	SL	3/9/2015	15036855	07440-61-1	Uranium	N001	9.25	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	3/11/2015	15036883	AM-241	Americium-241	N001	-0.008	pCi/L	U	F	0.0173	0.0123	valid	C	GEN
GS11	SL	3/11/2015	15036855	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	7.03	mg/L	(blank)	F	0.17		J	G	GEN
GS11	SL	3/11/2015	15036883	PU-239,240	Plutonium-239, 240	N001	0.012	pCi/L	U	F	0.0275	0.00935	valid	C	GEN
GS11	SL	3/11/2015	15036883	07440-61-1	Uranium	N001	11.2	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	3/18/2015	15046909	AM-241	Americium-241	N002	0.00442	pCi/L	U	F	0.0286	0.0106	valid	C	GEN
GS11	SL	3/18/2015	15036883	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	8.74	mg/L	(blank)	F	0.17		J	G	GEN
GS11	SL	3/18/2015	15046909	PU-239,240	Plutonium-239, 240	N002	0.00681	pCi/L	U	F	0.025	0.00803	valid	C	GEN
GS11	SL	3/18/2015	15046909	07440-61-1	Uranium	N002	17.1	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	4/1/2015	15046944	AM-241	Americium-241	N002	0.00346	pCi/L	U	F	0.0206	0.0107	valid	C	GEN
GS11	SL	4/1/2015	15046909	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	6.45	mg/L	(blank)	F	0.17		valid	G	GEN
GS11	SL	4/1/2015	15046944	PU-239,240	Plutonium-239, 240	N002	0.00511	pCi/L	U	F	0.0311	0.0111	valid	C	GEN
GS11	SL	4/1/2015	15046944	07440-61-1	Uranium	N002	19.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	4/17/2015	15046957	AM-241	Americium-241	N002	0.0139	pCi/L	U	F	0.0151	0.0117	valid	C	GEN
GS11	SL	4/17/2015	15046944	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	5.83	mg/L	(blank)	F	0.425		valid	G	GEN
GS11	SL	4/17/2015	15046957	PU-239,240	Plutonium-239, 240	N002	0.0289	pCi/L	U	F	0.0318	0.0155	valid	C	GEN
GS11	SL	4/17/2015	15046957	07440-61-1	Uranium	N002	10	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	4/20/2015	15046983	AM-241	Americium-241	N002	0.00908	pCi/L	U	F	0.0217	0.0129	valid	C	GEN
GS11	SL	4/20/2015	15046957	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	8.08	mg/L	(blank)	F	0.17		valid	G	GEN
GS11	SL	4/20/2015	15046983	PU-239,240	Plutonium-239, 240	N002	0.0206	pCi/L	U	F	0.0321	0.0179	valid	C	GEN
GS11	SL	4/20/2015	15046983	07440-61-1	Uranium	N002	12.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	5/4/2015	15057023	AM-241	Americium-241	N001	0.00688	pCi/L	U	F	0.0243	0.00827	valid	C	GEN
GS11	SL	5/4/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.00861	pCi/L	U	F	0.0268	0.0164	valid	C	GEN
GS11	SL	5/4/2015	15057023	07440-61-1	Uranium	N001	12.1	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	5/8/2015	15057023	AM-241	Americium-241	N001	0.0116	pCi/L	U	F	0.0234	0.0169	valid	C	GEN
GS11	SL	5/8/2015	15057023	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	10.8	mg/L	(blank)	F	0.425		valid	G	GEN
GS11	SL	5/8/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.0738	pCi/L	(blank)	F	0.0271	0.024	J	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS11	SL	5/8/2015	15057023	07440-61-1	Uranium	N001	8	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	5/9/2015	15057023	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	4	mg/L	(blank)	F	0.425		valid	G	GEN
GS11	SL	5/14/2015	15057060	AM-241	Americium-241	N001	0.0197	pCi/L	U	F	0.0253	0.0137	valid	C	GEN
GS11	SL	5/14/2015	15057060	PU-239,240	Plutonium-239, 240	N001	0.0321	pCi/L	(blank)	F	0.0231	0.0144	J	C	GEN
GS11	SL	5/14/2015	15057060	07440-61-1	Uranium	N001	7.43	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	5/18/2015	15057060	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	8.28	mg/L	(blank)	F	0.17		valid	G	GEN
GS12	SL	2/3/2015	15026824	07440-61-1	Uranium	N001	26.8	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	2/24/2015	15036839	07440-61-1	Uranium	N001	11.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	3/9/2015	15036873	07440-61-1	Uranium	N001	8.96	ug/L	(blank)	F	0.067		valid	G	GEN
GS12	SL	3/16/2015	15046909	07440-61-1	Uranium	N001	17.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	3/31/2015	15046938	07440-61-1	Uranium	N001	22.7	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/14/2015	15046944	07440-61-1	Uranium	N001	12.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/17/2015	15046964	07440-61-1	Uranium	N001	10.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/30/2015	15057020	07440-61-1	Uranium	N001	10.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	5/7/2015	15057023	07440-61-1	Uranium	N001	6.05	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	5/9/2015	15057060	07440-61-1	Uranium	N001	6.57	ug/L	(blank)	F	0.067		valid	C	GEN
GS13	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	11	mg/L	B	F	0.038		valid	G	STD
GS13	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	7.3	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	25	mg/L	(blank)	F	0.095		valid	G	STD
GS13	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	7	mg/L	(blank)	F	0.038		valid	G	STD
GS13	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	4/7/2015	15046946	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	17.9	mg/L	(blank)	F	0.425		valid	G	GEN
GS13	SL	4/7/2015	15046946	07440-61-1	Uranium	N001	9.73	ug/L	(blank)	F	0.067		valid	G	GEN
GS13	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	33	mg/L	(blank)	F	0.19		valid	G	STD
GS13	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	15	ug/L	(blank)	F	0.05		valid	G	STD
GS31	SL	1/29/2015	15036839	AM-241	Americium-241	N001	0.00116	pCi/L	U	F	0.0151	0.0051	J	C	GEN
GS31	SL	1/29/2015	15036839	PU-239,240	Plutonium-239, 240	N001	0.00156	pCi/L	U	F	0.0287	0.0165	valid	C	GEN
GS31	SL	1/29/2015	15036839	07440-61-1	Uranium	N001	7.63	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	3/9/2015	15036891	AM-241	Americium-241	N001	0.0121	pCi/L	U	F	0.0157	0.0126	valid	C	GEN
GS31	SL	3/9/2015	15036891	PU-239,240	Plutonium-239, 240	N001	0.0107	pCi/L	U	F	0.0327	0.0171	valid	C	GEN
GS31	SL	3/9/2015	15036891	07440-61-1	Uranium	N001	6.75	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	3/26/2015	15046944	AM-241	Americium-241	N001	0.00903	pCi/L	U	F	0.0215	0.00939	valid	C	GEN
GS31	SL	3/26/2015	15046944	PU-239,240	Plutonium-239, 240	N001	0.0188	pCi/L	U	F	0.0214	0.0109	valid	C	GEN
GS31	SL	3/26/2015	15046944	07440-61-1	Uranium	N001	7.18	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	4/17/2015	15046957	AM-241	Americium-241	N001	0.0083	pCi/L	U	F	0.0293	0.0173	valid	C	GEN
GS31	SL	4/17/2015	15046964	AM-241	Americium-241	N003	-0.00184	pCi/L	U	F	0.022	0.0108	valid	C	GEN
GS31	SL	4/17/2015	15046957	PU-239,240	Plutonium-239, 240	N001	0.0897	pCi/L	(blank)	F	0.0224	0.023	valid	C	GEN
GS31	SL	4/17/2015	15046964	PU-239,240	Plutonium-239, 240	N003	0.0473	pCi/L	(blank)	F	0.0385	0.0256	valid	C	GEN
GS31	SL	4/17/2015	15046957	TSS	Total Suspended Solids	N001	13.3	mg/L	(blank)	F	1.99		valid	C	GEN
GS31	SL	4/17/2015	15046963	TSS	Total Suspended Solids	N002	11	mg/L	H	F	1.1		J	C	STD
GS31	SL	4/17/2015	15046957	07440-61-1	Uranium	N001	4.86	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	4/17/2015	15046964	07440-61-1	Uranium	N003	5.98	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	4/23/2015	15057020	AM-241	Americium-241	N001	-0.00631	pCi/L	U	F	0.0223	0.0124	valid	C	GEN
GS31	SL	4/23/2015	15057020	PU-239,240	Plutonium-239, 240	N001	0.0236	pCi/L	U	F	0.0276	0.0149	valid	C	GEN
GS31	SL	4/23/2015	15057020	07440-61-1	Uranium	N001	5.55	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	5/5/2015	15057020	AM-241	Americium-241	N001	0.00295	pCi/L	U	F	0.0209	0.00819	valid	C	GEN
GS31	SL	5/5/2015	15057020	PU-239,240	Plutonium-239, 240	N001	0.011	pCi/L	U	F	0.0343	0.0125	valid	C	GEN
GS31	SL	5/5/2015	15057020	07440-61-1	Uranium	N001	5.17	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	5/6/2015	15057023	AM-241	Americium-241	N001	0.133	pCi/L	(blank)	F	0.023	0.0313	valid	C	GEN
GS31	SL	5/6/2015	15057023	AM-241	Americium-241	N002	0.0842	pCi/L	(blank)	D	0.022	0.0251	valid	C	GEN
GS31	SL	5/6/2015	15057023	PU-239,240	Plutonium-239, 240	N001	0.652	pCi/L	(blank)	F	0.0251	0.079	valid	C	GEN
GS31	SL	5/6/2015	15057023	PU-239,240	Plutonium-239, 240	N002	0.578	pCi/L	(blank)	D	0.0352	0.0843	valid	C	GEN
GS31	SL	5/6/2015	15057023	07440-61-1	Uranium	N001	4.07	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	5/6/2015	15057023	07440-61-1	Uranium	N002	4	ug/L	(blank)	D	0.067		valid	C	GEN
GS31	SL	5/9/2015	15057060	AM-241	Americium-241	N001	0.0298	pCi/L	(blank)	F	0.0247	0.0167	J	C	GEN
GS31	SL	5/9/2015	15057060	PU-239,240	Plutonium-239, 240	N001	0.162	pCi/L	(blank)	F	0.0231	0.0312	valid	C	GEN
GS31	SL	5/9/2015	15057060	07440-61-1	Uranium	N001	3.38	ug/L	(blank)	F	0.067		valid	C	GEN
SPOUT	TS	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	240	mg/L	B	F	1.9		J	G	STD
SPOUT	TS	3/5/2015	15036837	07440-61-1	Uranium	N001	50	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	290	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	TS	3/16/2015	15036864	07440-61-1	Uranium	N001	48	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	270	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	TS	3/31/2015	15046907	07440-61-1	Uranium	N001	62	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	380	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	TS	4/14/2015	15046929	07440-61-1	Uranium	N001	70	ug/L	(blank)	F	0.05		valid	G	STD

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW093	SL	3/5/2015	15036837	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	5.9	mg/L	B	F	0.019		valid	G	STD
SW093	SL	3/5/2015	15036837	07440-61-1	Uranium	N001	5.2	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	3/16/2015	15036864	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	13	mg/L	(blank)	F	0.095		valid	G	STD
SW093	SL	3/16/2015	15036864	07440-61-1	Uranium	N001	10	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	3/31/2015	15046907	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.4	mg/L	(blank)	F	0.095		valid	G	STD
SW093	SL	3/31/2015	15046907	07440-61-1	Uranium	N001	6.6	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	4/14/2015	15046929	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	1.4	mg/L	(blank)	F	0.019		valid	G	STD
SW093	SL	4/14/2015	15046929	07440-61-1	Uranium	N001	6.2	ug/L	(blank)	F	0.05		valid	G	STD
WALPOC	SL	2/17/2015	15026823	AM-241	Americium-241	N002	0.00513	pCi/L	U	F	0.0333	0.0201	valid	C	GEN
WALPOC	SL	2/17/2015	15026823	PU-239,240	Plutonium-239, 240	N002	0.00674	pCi/L	U	F	0.0309	0.0105	valid	C	GEN
WALPOC	SL	2/17/2015	15026823	07440-61-1	Uranium	N002	17	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	2/24/2015	15036840	AM-241	Americium-241	N001	-0.00479	pCi/L	U	F	0.031	0.0188	valid	C	GEN
WALPOC	SL	2/24/2015	15026823	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N003	940	mg/L	(blank)	F	42.5		R	G	GEN
WALPOC	SL	2/24/2015	15036840	PU-239,240	Plutonium-239, 240	N001	0.00398	pCi/L	U	F	0.0243	0.013	valid	C	GEN
WALPOC	SL	2/24/2015	15036840	07440-61-1	Uranium	N001	14.2	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	3/9/2015	15036857	AM-241	Americium-241	N001	0	pCi/L	U	F	0.0249	0.0106	valid	C	GEN
WALPOC	SL	3/9/2015	15036840	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	3.67	mg/L	(blank)	F	0.085		J	G	GEN
WALPOC	SL	3/9/2015	15036857	PU-239,240	Plutonium-239, 240	N001	0.0217	pCi/L	U	F	0.0285	0.0156	valid	C	GEN
WALPOC	SL	3/9/2015	15036857	07440-61-1	Uranium	N001	10	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	3/11/2015	15036882	AM-241	Americium-241	N001	0.00584	pCi/L	U	F	0.0189	0.0134	valid	C	GEN
WALPOC	SL	3/11/2015	15036857	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	3.36	mg/L	(blank)	F	0.085		J	G	GEN
WALPOC	SL	3/11/2015	15036882	PU-239,240	Plutonium-239, 240	N001	0.00604	pCi/L	U	F	0.0277	0.0103	valid	C	GEN
WALPOC	SL	3/11/2015	15036882	07440-61-1	Uranium	N001	10.9	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	3/18/2015	15036892	AM-241	Americium-241	N001	0.00391	pCi/L	U	F	0.0169	0.00921	valid	C	GEN
WALPOC	SL	3/18/2015	15036882	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	2.97	mg/L	(blank)	F	0.085		J	G	GEN
WALPOC	SL	3/18/2015	15036892	PU-239,240	Plutonium-239, 240	N001	-0.00371	pCi/L	U	F	0.034	0.0162	valid	C	GEN
WALPOC	SL	3/18/2015	15036892	07440-61-1	Uranium	N001	14.3	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	3/26/2015	15046922	AM-241	Americium-241	N002	0.00145	pCi/L	U	F	0.0173	0.00637	valid	C	GEN
WALPOC	SL	3/26/2015	15036892	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.52	mg/L	(blank)	F	0.085		valid	G	GEN
WALPOC	SL	3/26/2015	15046922	PU-239,240	Plutonium-239, 240	N002	0.0174	pCi/L	U	F	0.029	0.0136	valid	C	GEN
WALPOC	SL	3/26/2015	15046922	07440-61-1	Uranium	N002	16.1	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	4/7/2015	15046945	AM-241	Americium-241	N001	-0.0149	pCi/L	U	F	0.0178	0.0149	valid	C	GEN
WALPOC	SL	4/7/2015	15046945	AM-241	Americium-241	N002	0.00774	pCi/L	U	D	0.0185	0.0132	valid	C	GEN
WALPOC	SL	4/7/2015	15046922	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N003	1.97	mg/L	(blank)	F	0.085		valid	G	GEN
WALPOC	SL	4/7/2015	15046945	PU-239,240	Plutonium-239, 240	N001	0.0171	pCi/L	U	F	0.0241	0.0149	valid	C	GEN
WALPOC	SL	4/7/2015	15046945	PU-239,240	Plutonium-239, 240	N002	0.00626	pCi/L	U	D	0.0286	0.0106	valid	C	GEN
WALPOC	SL	4/7/2015	15046945	07440-61-1	Uranium	N001	14.5	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	4/7/2015	15046945	07440-61-1	Uranium	N002	14.5	ug/L	(blank)	D	0.067		valid	C	GEN
WALPOC	SL	4/17/2015	15046955	AM-241	Americium-241	N001	0.0166	pCi/L	U	F	0.022	0.0141	valid	C	GEN
WALPOC	SL	4/17/2015	15046945	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	3.88	mg/L	(blank)	F	0.17		valid	G	GEN
WALPOC	SL	4/17/2015	15046955	PU-239,240	Plutonium-239, 240	N001	0.0404	pCi/L	(blank)	F	0.0205	0.0149	valid	C	GEN
WALPOC	SL	4/17/2015	15046955	07440-61-1	Uranium	N001	10.6	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	4/20/2015	15046984	AM-241	Americium-241	N001	0.00974	pCi/L	U	F	0.0194	0.0111	valid	C	GEN
WALPOC	SL	4/20/2015	15046955	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	2.09	mg/L	(blank)	F	0.085		valid	G	GEN
WALPOC	SL	4/20/2015	15046984	PU-239,240	Plutonium-239, 240	N001	0.00142	pCi/L	U	F	0.0266	0.00925	valid	C	GEN
WALPOC	SL	4/20/2015	15046984	07440-61-1	Uranium	N001	9.01	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	4/28/2015	15046984	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N003	3.94	mg/L	(blank)	F	0.085		valid	G	GEN
WOMPOC	SL	2/17/2015	15026823	AM-241	Americium-241	N001	0	pCi/L	U	F	0.0277	0.0118	valid	C	GEN
WOMPOC	SL	2/17/2015	15026823	PU-239,240	Plutonium-239, 240	N001	-0.00274	pCi/L	U	F	0.0251	0.00929	valid	C	GEN
WOMPOC	SL	2/17/2015	15026823	07440-61-1	Uranium	N001	1.71	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	2/24/2015	15036840	AM-241	Americium-241	N001	0.00531	pCi/L	U	F	0.0229	0.0104	valid	C	GEN
WOMPOC	SL	2/24/2015	15036840	PU-239,240	Plutonium-239, 240	N001	0.00447	pCi/L	U	F	0.0205	0.00621	valid	C	GEN
WOMPOC	SL	2/24/2015	15036840	07440-61-1	Uranium	N001	1.97	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	3/9/2015	15036857	AM-241	Americium-241	N001	0.00346	pCi/L	U	F	0.0224	0.0083	valid	C	GEN
WOMPOC	SL	3/9/2015	15036857	PU-239,240	Plutonium-239, 240	N001	0.00571	pCi/L	U	F	0.0262	0.0105	valid	C	GEN
WOMPOC	SL	3/9/2015	15036857	07440-61-1	Uranium	N001	1.3	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	3/11/2015	15036882	AM-241	Americium-241	N001	0.00243	pCi/L	U	F	0.0158	0.00477	valid	C	GEN
WOMPOC	SL	3/11/2015	15036882	PU-239,240	Plutonium-239, 240	N001	0.00636	pCi/L	U	F	0.0291	0.0117	valid	C	GEN
WOMPOC	SL	3/11/2015	15036882	07440-61-1	Uranium	N001	1.58	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	3/18/2015	15046908	AM-241	Americium-241	N001	0.00234	pCi/L	U	F	0.0152	0.00857	valid	C	GEN
WOMPOC	SL	3/18/2015	15046908	PU-239,240	Plutonium-239, 240	N001	0.00468	pCi/L	U	F	0.0215	0.0103	valid	C	GEN
WOMPOC	SL	3/18/2015	15046908	07440-61-1	Uranium	N001	2.28	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/1/2015	15046937	AM-241	Americium-241	N001	0.00548	pCi/L	U	F	0.0164	0.00851	valid	C	GEN
WOMPOC	SL	4/1/2015	15046937	PU-239,240	Plutonium-239, 240	N001	0.00743	pCi/L	U	F	0.0271	0.0105	valid	C	GEN
WOMPOC	SL	4/1/2015	15046937	07440-61-1	Uranium	N001	2.72	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/13/2015	15046945	AM-241	Americium-241	N001	0.00266	pCi/L	U	F	0.0159	0.00825	valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WOMPOC	SL	4/13/2015	15046945	AM-241	Americium-241	N002	0.00669	pCi/L	U	D	0.016	0.0102	valid	C	GEN
WOMPOC	SL	4/13/2015	15046945	PU-239,240	Plutonium-239, 240	N001	-0.00666	pCi/L	U	F	0.0243	0.00941	valid	C	GEN
WOMPOC	SL	4/13/2015	15046945	PU-239,240	Plutonium-239, 240	N002	0.0106	pCi/L	U	D	0.0242	0.0116	valid	C	GEN
WOMPOC	SL	4/13/2015	15046945	07440-61-1	Uranium	N001	1.74	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/13/2015	15046945	07440-61-1	Uranium	N002	1.76	ug/L	(blank)	D	0.067		valid	C	GEN
WOMPOC	SL	4/17/2015	15046955	AM-241	Americium-241	N001	0.0114	pCi/L	U	F	0.0226	0.0118	valid	C	GEN
WOMPOC	SL	4/17/2015	15046955	PU-239,240	Plutonium-239, 240	N001	0.0304	pCi/L	(blank)	F	0.0205	0.0146	valid	C	GEN
WOMPOC	SL	4/17/2015	15046955	07440-61-1	Uranium	N001	1.55	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/20/2015	15046984	AM-241	Americium-241	N001	0.00609	pCi/L	U	F	0.0182	0.00945	valid	C	GEN
WOMPOC	SL	4/20/2015	15046984	PU-239,240	Plutonium-239, 240	N001	0.0108	pCi/L	U	F	0.0253	0.0107	valid	C	GEN
WOMPOC	SL	4/20/2015	15046984	07440-61-1	Uranium	N001	1.3	ug/L	(blank)	F	0.067		valid	C	GEN

EXPLANATION

SAMPLE_ID

N00x = Sample was not filtered.
000x = Sample was filtered.

WATER_UNIT_OF_MEASURE

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

SAMPLE_TYPE

F = Field Sample
D = Duplicate

DATA_VALIDATION_QUALIFIERS

valid Result is valid.
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

* 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.

LOCATION_TYPE

SL SURFACE LOCATION
TS TREATMENT SYSTEM
WL WELL

LAB_CODE

GEN Gel Laboratories
STD Test America

COLLECTION_METHOD

G Grab
C Composite

Table 2. Water Sampling Events: Second Quarter CY 2015

Location Code	Sampling Dates		Sample Info			Analytes					Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	D	Nitrate	Pu/Am	TSS	Ticket	RIN #
GS03	8/12/2014 12:36	2/24/2015 14:49	composite	F	No		X		X		NDR 731	15026824
GS11	1/29/2015 11:38	2/24/2015 13:38	composite	F	No		X		X		NDR 732	15026824
GS31	1/29/2015 12:24	3/9/2015 14:23	composite	F	No		X		X		NET 155	15036839
GS12	2/3/2015 13:32	2/24/2015 13:08	composite	F	No		X				NDR 730	15026824
GS01	2/3/2015 15:13	2/25/2015 13:50	composite	F	No		X		X		NDR 729	15026824
GS08	2/9/2015 12:49	3/9/2015 14:58	composite	F	No		X		X		NET 154	15036838
WALPOC	2/17/2015 12:13	2/24/2015 13:30	composite	F	No		X		X		NDR 727	15026823
WOMPOC	2/17/2015 13:42	2/24/2015 14:30	composite	F	No		X		X		NDR 728	15026823
B5INFLOW	2/19/2015 13:56	3/9/2015 13:00	composite	F	No		X				NET 160	15036839
GS12	2/24/2015 13:08	3/9/2015 13:23	composite	F	No		X				NET 161	15036839
WALPOC	2/24/2015 13:20	2/24/2015 13:20	grab	F	No			X			NDR 727	15026823
WALPOC	2/24/2015 13:30	3/9/2015 14:28	composite	F	No		X		X		NET 163	15036840
GS11	2/24/2015 13:38	2/24/2015 13:38	grab	F	No			X			NDR 734	15026824
GS11	2/24/2015 13:38	3/9/2015 14:42	composite	F	No		X		X		NET 156	15036839
WOMPOC	2/24/2015 14:30	3/9/2015 15:47	composite	F	No		X		X		NET 165	15036840
GS03	2/24/2015 14:49	2/24/2015 14:49	grab	F	No			X			NDR 733	15026824
GS03	2/24/2015 14:49	3/9/2015 17:27	composite	F	No		X		X		NET 158	15036839
GS01	2/25/2015 13:50	3/12/2015 15:00	composite	F	No		X		X		NET 295	15036859
B3OUTFLOW	3/5/2015 10:34	3/5/2015 10:34	grab	F	No		X				NET 141	15036837
GS10	3/5/2015 10:41	3/5/2015 10:41	grab	F	No		X				NET 140	15036837
SPOUT	3/5/2015 12:00	3/5/2015 12:00	grab	F	No		X	X			NET 144	15036837
SW093	3/5/2015 12:10	3/5/2015 12:10	grab	F	No		X	X			NET 142	15036837
GS13	3/5/2015 12:30	3/5/2015 12:30	grab	F	No		X	X			NET 145	15036837
A1EFF	3/5/2015 13:03	3/5/2015 13:03	grab	F	No		X	X			NET 147	15036837
A2EFF	3/5/2015 13:11	3/5/2015 13:11	grab	F	No		X	X			NET 148	15036837
A3EFF	3/5/2015 13:49	3/5/2015 13:49	grab	F	No		X	X			NET 149	15036837
A4 POND	3/5/2015 14:20	3/5/2015 14:20	grab	F	No		X	X			NET 150	15036837
B5 POND	3/5/2015 14:32	3/5/2015 14:32	grab	F	No		X				NET 143	15036837
B5INFLOW	3/5/2015 14:42	3/5/2015 14:42	grab	F	No		X				NET 152	15036837
B5INFLOW	3/9/2015 13:00	3/10/2015 12:57	composite	F	No		X				NET 239	15036838
GS12	3/9/2015 13:23	3/16/2015 12:33	composite	F	No		X				NET 648	15036873
WALPOC	3/9/2015 13:44	3/9/2015 13:44	grab	F	No			X			NET 164	15036840
GS31	3/9/2015 14:23	3/26/2015 14:21	composite	F	No		X		X		NEU 521	15036891
WALPOC	3/9/2015 14:28	3/11/2015 12:10	composite	F	No		X		X		NET 290	15036857
GS11	3/9/2015 14:38	3/9/2015 14:38	grab	F	No			X			NET 157	15036839
GS11	3/9/2015 14:42	3/11/2015 12:25	composite	F	No		X		X		NET 284	15036855
GS08	3/9/2015 14:58	3/11/2015 12:32	composite	F	No		X		X		NET 286	15036856
WOMPOC	3/9/2015 15:47	3/11/2015 13:28	composite	F	No		X		X		NET 291	15036857
GS03	3/9/2015 17:17	3/9/2015 17:17	grab	F	No			X			NET 159	15036839
GS03	3/9/2015 17:27	3/12/2015 15:26	composite	F	No		X		X		NET 293	15036859
B5INFLOW	3/10/2015 12:57	3/10/2015 12:57	grab	F	No		X				NET 647	15036873
WALPOC	3/11/2015 12:00	3/11/2015 12:00	grab	F	No			X			NET 289	15036857
WALPOC	3/11/2015 12:10	3/18/2015 10:51	composite	F	No		X		X		NET 714	15036882
GS11	3/11/2015 12:18	3/11/2015 12:18	grab	F	No			X			NET 285	15036855

Table 2. Water Sampling Events: Second Quarter CY 2015

Location Code	Sampling Dates		Sample Info			Analytes					Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Ticket	RIN #
GS11	3/11/2015 12:25	3/18/2015 11:11	composite	F	No		X		X		NET 717	15036883
GS08	3/11/2015 12:32	3/18/2015 11:26	composite	F	No		X		X		NET 719	15036883
WOMPOC	3/11/2015 13:28	3/18/2015 12:44	composite	F	No		X		X		NET 716	15036882
GS01	3/12/2015 15:00	3/26/2015 11:56	composite	F	No		X		X		NEU 520	15036891
GS03	3/12/2015 15:15	3/12/2015 15:15	grab	F	No			X			NET 294	15036859
GS03	3/12/2015 15:26	3/26/2015 11:33	composite	F	No		X		X		NEU 518	15036891
SPOUT	3/16/2015 11:24	3/16/2015 11:24	grab	F	No		X	X			NET 578	15036864
SW093	3/16/2015 11:32	3/16/2015 11:32	grab	F	No		X	X			NET 576	15036864
GS13	3/16/2015 11:44	3/16/2015 11:44	grab	F	No		X	X			NET 579	15036864
A1EFF	3/16/2015 12:04	3/16/2015 12:04	grab	D	No		X	X			NET 587	15036864
A1EFF	3/16/2015 12:04	3/16/2015 12:04	grab	F	No		X	X			NET 581	15036864
A2EFF	3/16/2015 12:10	3/16/2015 12:10	grab	F	No		X	X			NET 582	15036864
A3EFF	3/16/2015 12:33	3/16/2015 12:33	grab	F	No		X	X			NET 583	15036864
GS12	3/16/2015 12:33	3/31/2015 12:09	composite	F	No		X				NFU 838	15046909
A4 POND	3/16/2015 12:50	3/16/2015 12:50	grab	F	No		X	X			NET 584	15036864
B5 POND	3/16/2015 12:57	3/16/2015 12:57	grab	F	No		X				NET 577	15036864
B5INFLOW	3/16/2015 13:06	3/16/2015 13:06	grab	F	No		X				NET 586	15036864
B5INFLOW	3/16/2015 13:14	3/31/2015 12:28	composite	F	No		X				NFU 837	15046909
B3OUTFLOW	3/16/2015 13:27	3/16/2015 13:27	grab	F	No		X				NET 575	15036864
GS10	3/16/2015 13:31	3/16/2015 13:31	grab	F	No		X				NET 574	15036864
WALPOC	3/18/2015 10:42	3/18/2015 10:42	grab	F	No			X			NET 715	15036882
WALPOC	3/18/2015 10:51	3/26/2015 12:30	composite	F	No		X		X		NEU 524	15036892
GS11	3/18/2015 11:05	3/18/2015 11:05	grab	F	No			X			NET 718	15036883
GS11	3/18/2015 11:11	4/1/2015 12:08	composite	F	No		X		X		NFU 835	15046909
GS08	3/18/2015 11:26	4/7/2015 8:33	composite	F	No		X		X		NFU 582	15046921
WOMPOC	3/18/2015 12:44	4/1/2015 10:53	composite	F	No		X		X		NFU 828	15046908
GS03	3/26/2015 11:15	3/26/2015 11:15	grab	F	No			X			NEU 519	15036891
GS03	3/26/2015 11:33	4/17/2015 18:52	composite	F	No		X		X		NFY 625	15046944
GS01	3/26/2015 11:56	4/17/2015 18:30	composite	F	No		X		X		NFY 627	15046944
WALPOC	3/26/2015 12:22	3/26/2015 12:22	grab	F	No			X			NEU 523	15036892
WALPOC	3/26/2015 12:30	4/7/2015 11:21	composite	F	No		X		X		NFU 584	15046922
GS31	3/26/2015 14:21	4/17/2015 18:01	composite	F	No		X		X		NFY 628	15046944
GS10	3/31/2015 10:53	3/31/2015 10:53	grab	F	No		X				NFU 809	15046907
B3OUTFLOW	3/31/2015 11:06	3/31/2015 11:06	grab	F	No		X				NFU 810	15046907
A4 POND	3/31/2015 11:25	3/31/2015 11:25	grab	F	No		X	X			NFU 818	15046907
B5 POND	3/31/2015 11:31	3/31/2015 11:31	grab	F	No		X				NFU 812	15046907
A3EFF	3/31/2015 12:00	3/31/2015 12:00	grab	F	No		X	X			NFU 817	15046907
GS12	3/31/2015 12:09	4/14/2015 12:08	composite	F	No		X				NFX 214	15046938
B5INFLOW	3/31/2015 12:22	3/31/2015 12:22	grab	F	No		X				NFU 820	15046907
B5INFLOW	3/31/2015 12:28	4/7/2015 8:23	composite	F	No		X				NFU 583	15046921
SPOUT	3/31/2015 13:16	3/31/2015 13:16	grab	F	No		X	X			NFU 813	15046907
SW093	3/31/2015 13:22	3/31/2015 13:22	grab	F	No		X	X			NFU 811	15046907
GS13	3/31/2015 13:38	3/31/2015 13:38	grab	F	No		X	X			NFU 814	15046907
A2EFF	3/31/2015 14:32	3/31/2015 14:32	grab	D	No		X	X			NFU 821	15046907
A2EFF	3/31/2015 14:32	3/31/2015 14:32	grab	F	No		X	X			NFU 816	15046907
A1EFF	3/31/2015 14:37	3/31/2015 14:37	grab	F	No		X	X			NFU 815	15046907
WOMPOC	4/1/2015 10:53	4/13/2015 13:13	composite	F	No		X		X		NFX 212	15046937
GS11	4/1/2015 12:04	4/1/2015 12:04	grab	F	No			X			NFU 836	15046909

Table 2. Water Sampling Events: Second Quarter CY 2015

Location Code	Sampling Dates		Sample Info			Analytes					Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Ticket	RIN #
GS11	4/1/2015 12:08	4/17/2015 14:59	composite	F	No		X		X		NFY 630	15046944
B5INFLOW	4/7/2015 8:23	4/17/2015 15:51	composite	F	No		X				NFY 629	15046944
GS08	4/7/2015 8:33	4/17/2015 16:05	composite	F	No		X		X		NFY 633	15046944
GS13	4/7/2015 8:48	4/7/2015 8:48	grab	F	No		X	X			NFY 649	15046946
WALPOC	4/7/2015 11:11	4/7/2015 11:11	grab	F	No			X			NFV 585	15046922
WALPOC	4/7/2015 11:21	4/17/2015 14:45	composite	D	No		X		X		NFY 638	15046945
WALPOC	4/7/2015 11:21	4/17/2015 14:45	composite	F	No		X		X		NFY 636	15046945
WOMPOC	4/13/2015 13:13	4/17/2015 13:22	composite	D	No		X		X		NFY 640	15046945
WOMPOC	4/13/2015 13:13	4/17/2015 13:22	composite	F	No		X		X		NFY 639	15046945
SPOUT	4/14/2015 10:14	4/14/2015 10:14	grab	F	No		X	X			NFX 088	15046929
SW093	4/14/2015 10:47	4/14/2015 10:47	grab	F	No		X	X			NFX 086	15046929
GS13	4/14/2015 11:04	4/14/2015 11:04	grab	F	No		X	X			NFX 089	15046929
A1EFF	4/14/2015 11:15	4/14/2015 11:15	grab	F	No		X	X			NFX 090	15046929
A2EFF	4/14/2015 11:21	4/14/2015 11:21	grab	F	No		X	X			NFX 091	15046929
GS12	4/14/2015 12:08	4/17/2015 16:46	composite	F	No		X				NFY 632	15046944
A3EFF	4/14/2015 12:10	4/14/2015 12:10	grab	D	No		X	X			NFX 096	15046929
A3EFF	4/14/2015 12:10	4/14/2015 12:10	grab	F	No		X	X			NFX 092	15046929
A4 POND	4/14/2015 12:21	4/14/2015 12:21	grab	F	No		X	X			NFX 093	15046929
B5 POND	4/14/2015 12:27	4/14/2015 12:27	grab	F	No		X				NFX 087	15046929
B5INFLOW	4/14/2015 12:32	4/14/2015 12:32	grab	F	No		X				NFX 095	15046929
B3OUTFLOW	4/14/2015 12:44	4/14/2015 12:44	grab	F	No		X				NFX 085	15046929
GS10	4/14/2015 12:48	4/14/2015 12:48	grab	F	No		X				NFX 084	15046929
WALPOC	4/17/2015 2:40	4/17/2015 2:40	grab	F	No			X			NFY 635	15046945
WOMPOC	4/17/2015 13:22	4/20/2015 11:08	composite	F	No		X		X		NFY 766	15046955
WALPOC	4/17/2015 14:45	4/20/2015 12:25	composite	F	No		X		X		NFY 763	15046955
GS11	4/17/2015 14:52	4/17/2015 14:52	grab	F	No			X			NFY 631	15046944
GS11	4/17/2015 14:59	4/20/2015 12:52	composite	F	No		X		X		NFY 777	15046957
GS31	4/17/2015 15:12	4/18/2015 2:12	composite	F	No		X		X		NFY 780	15046957
B5INFLOW	4/17/2015 15:51	4/21/2015 13:01	composite	F	No		X				NFY 903	15046957
GS08	4/17/2015 16:05	4/21/2015 13:15	composite	F	No		X		X		NFY 904	15046957
GS12	4/17/2015 16:46	4/23/2015 10:07	composite	F	No		X				NFY 978	15046964
GS31	4/17/2015 18:01	4/23/2015 11:43	composite	F	No		X		X		NFY 977	15046964
GS31	4/17/2015 18:01	4/23/2015 11:43	composite	F	No					X	NFY 976	15046963
GS01	4/17/2015 18:30	4/21/2015 15:43	composite	F	No		X		X		NFY 900	15046957
GS03	4/17/2015 18:45	4/17/2015 18:45	grab	F	No			X			NFY 626	15046944
GS03	4/17/2015 18:52	4/21/2015 16:08	composite	F	No		X		X		NFY 901	15046957
WOMPOC	4/20/2015 11:08	4/27/2015 11:12	composite	F	No		X		X		NFZ 215	15046984
WALPOC	4/20/2015 12:20	4/20/2015 12:20	grab	F	No			X			NFY 762	15046955
WALPOC	4/20/2015 12:25	4/28/2015 11:13	composite	F	No		X		X		NFZ 208	15046984
GS11	4/20/2015 12:42	4/20/2015 12:42	grab	F	No			X			NFY 778	15046957
GS11	4/20/2015 12:52	4/27/2015 11:59	composite	F	No		X		X		NFZ 198	15046983
B5INFLOW	4/21/2015 13:01	4/27/2015 12:17	composite	F	No		X				NFZ 204	15046983
GS08	4/21/2015 13:15	4/28/2015 11:45	composite	F	No		X		X		NFZ 205	15046983
GS01	4/21/2015 15:43	4/27/2015 10:52	composite	F	No		X		X		NFZ 201	15046983
GS03	4/21/2015 16:06	4/21/2015 16:06	grab	F	No			X			NFY 902	15046957
GS03	4/21/2015 16:08	4/28/2015 13:07	composite	F	No		X		X		NFZ 202	15046983
GS31	4/23/2015 11:43	5/6/2015 12:30	composite	F	No		X		X		NGZ 754	15057020
B5INFLOW	4/27/2015 12:17	5/7/2015 11:42	composite	F	No		X				NGZ 752	15057020

Table 2. Water Sampling Events: Second Quarter CY 2015

Location Code	Sampling Dates		Sample Info			Analytes					Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	TSS	Ticket	RIN #
WALPOC	4/28/2015 11:01	4/28/2015 11:01	grab	F	No			X			NFZ 209	15046984
GS03	4/28/2015 12:56	4/28/2015 12:56	grab	F	No			X			NFZ 206	15046983
GS03	4/28/2015 13:07	5/6/2015 13:19	composite	F	No		X		X		NGZ 747	15057020
GS12	4/30/2015 13:07	5/7/2015 11:19	composite	F	No		X				NGZ 753	15057020
42505	4/30/2015 14:14	4/30/2015 14:14	grab	F	No	X					NFZ 074	15046973
GS11	5/4/2015 12:04	5/8/2015 12:23	composite	F	No		X		X		NGZ 786	15057023
GS01	5/4/2015 14:00	5/8/2015 13:35	composite	F	No		X		X		NGZ 784	15057023
GS08	5/5/2015 11:03	5/8/2015 12:30	composite	F	No		X		X		NGZ 790	15057023
GS31	5/5/2015 17:50	5/6/2015 1:50	composite	F	No		X		X		NGZ 755	15057020
GS31	5/6/2015 12:30	5/9/2015 15:54	composite	D	No		X		X		NGZ 785	15057023
GS31	5/6/2015 12:30	5/9/2015 15:54	composite	F	No		X		X		NGZ 783	15057023
GS03	5/6/2015 13:15	5/6/2015 13:15	grab	F	No			X			NGZ 749	15057020
GS03	5/6/2015 13:19	5/9/2015 16:40	composite	F	No		X		X		NGZ 779	15057023
GS12	5/7/2015 11:19	5/9/2015 13:31	composite	F	No		X				NGZ 782	15057023
B5INFLOW	5/7/2015 11:42	5/9/2015 13:47	composite	F	No		X				NGZ 781	15057023
GS11	5/8/2015 12:21	5/8/2015 12:21	grab	F	No			X			NGZ 788	15057023
GS11	5/8/2015 12:23	5/9/2015 14:18	composite	F	No		X		X		NGZ 787	15057023
GS08	5/8/2015 12:30	5/9/2015 13:54	composite	D	No		X		X		NGZ 792	15057023
GS08	5/8/2015 12:30	5/9/2015 13:54	composite	F	No		X		X		NGZ 791	15057023
GS12	5/9/2015 13:31	5/18/2015 13:48	composite	F	No		X				NGQ 879	15057060
B5INFLOW	5/9/2015 13:47	5/18/2015 14:28	composite	F	No		X				NGQ 877	15057060
GS11	5/9/2015 14:20	5/9/2015 14:20	grab	F	No			X			NGZ 789	15057023
GS31	5/9/2015 15:54	5/19/2015 14:25	composite	F	No		X		X		NGQ 873	15057060
GS03	5/9/2015 16:35	5/9/2015 16:35	grab	F	No			X			NGZ 780	15057023
GS03	5/9/2015 16:40	5/18/2015 17:00	composite	F	No		X		X		NGQ 876	15057060
GS11	5/14/2015 12:48	5/18/2015 14:10	composite	F	No		X		X		NGQ 875	15057060
GS08	5/14/2015 13:00	5/18/2015 14:17	composite	F	No		X		X		NGQ 880	15057060
GS08	5/14/2015 13:00	5/18/2015 14:17	composite	D	No		X		X		NGQ 881	15057060
GS11	5/18/2015 14:08	5/18/2015 14:08	grab	F	No			X			NGQ 878	15057060
GS03	5/18/2015 14:58	5/18/2015 14:58	grab	F	No			X			NGQ 874	15057060

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