

**Rocky Flats Site, Colorado,
Quarterly Report of
Site Surveillance and
Maintenance Activities
Second Quarter
Calendar Year 2019**

October 2019



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

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Abbreviations

Am	americium
AMP	Adaptive Management Plan
AOC	Area of Concern
BMP	best management practice
CAD/ROD	Corrective Action Decision/Record of Decision
COU	Central Operable Unit
CY	calendar year
DOE	U.S. Department of Energy
EPC	East Perimeter Channel
ESSD	East Subsurface Drain
ETPTS	East Trenches Plume Treatment System
ft ³	cubic feet
IC	institutional control
ITS	Interceptor Trench System
ITSS	Interceptor Trench System Sump
LM	Office of Legacy Management
µg/L	micrograms per liter
mg/L	milligrams per liter
MSPCS	Mound Site Plume Collection System
N	nitrogen
NWCS	North Walnut Creek Slump
OLF	Original Landfill
pCi/L	picocuries per liter
PLF	Present Landfill
PLFTS	Present Landfill Treatment System
POC	Point of Compliance
POE	Point of Evaluation
Pu	plutonium
RCRA	Resource Conservation and Recovery Act
RFLMA	<i>Rocky Flats Legacy Management Agreement</i>
RFSOG	<i>Rocky Flats Site, Colorado, Site Operations Guide</i>
Site	Rocky Flats Site
SPPTS	Solar Ponds Plume Treatment System
TCE	trichloroethene

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Executive Summary

This report for the second quarter (April 1–June 30) of calendar year 2019 includes information on the remedy-related surveillance, monitoring, and maintenance activities conducted at the Rocky Flats Site, Colorado (the Site). The maintenance and inspection of the two Site landfills and four groundwater collection or treatment systems, inspection of the perimeter signs of the Central Operable Unit, erosion control and revegetation activities, and water monitoring are summarized.

The Present Landfill quarterly inspection was conducted on May 24, 2019. No issues were identified during the inspection.

The Original Landfill monthly inspections were conducted on April 15, May 17, and June 19, 2019. During the April inspection, an approximately 2-inch by 3-inch hole with a 1 cubic foot cavity beneath was discovered at the central Berm 5 channel. The hole was photographed, located on a map, and filled in. During the May inspection, five holes ranging from 1 to 2 inches in diameter and 3 to 4 inches in depth were discovered along the east end of the scarp above east Berm 4. The holes were photographed, located on a map, and filled in. They did not reappear in the subsequent June inspection. During the June inspection, several issues were observed after heavy rainfall in late May. Evidence of erosion was discovered across the east supporting hillside as ¼- to ½-inch rills and sediment buildup along erosion control wattles, as well as sediment deposited within the lower East Perimeter Channel. Erosion and sediment buildup were photographed and repaired or removed using hand tools. An area of saturated soil was discovered east of the East Subsurface Drain S1 riser. The saturation had almost dried up by the end of the inspection; however, it reappeared the following day and persisted into late June. The Seep 10 siphon was restarted on March 27 after being shut down during the winter, and it operated through June 30. The temporary groundwater intercept system was restarted May 17.

Routine maintenance was performed at the East Trenches Plume Treatment System, the Mound Site Plume Collection System, and the Solar Ponds Plume Treatment System. At the Present Landfill Treatment System, routine maintenance generally consists of an inspection of the system for any problems. No problems were observed.

During the second quarter of 2019, water monitoring met the targeted monitoring objectives required by the *Rocky Flats Legacy Management Agreement* (RFLMA). During the quarter, 48 flow-paced, composite surface water samples, 20 surface water grab samples, 17 treatment system grab samples, and 48 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analyses.

Point of Evaluation (POE) monitoring location SW027, at the end of the South Interceptor Ditch at the inlet to Pond C-2, was reportable for plutonium during the second quarter of 2019. The 12-month rolling averages for plutonium exceeded the RFLMA standard of 0.15 picocurie per liter, resulting in a reportable condition at SW027 from June 2018 through April 2019. There was no flow at SW027 in 2019 until May 28. Since the composite sample that has been in progress since May 28 does not have enough water volume for analysis, no analytical results are yet available for the 2019 flow period. Therefore, averages for May and June 2019 cannot be calculated at this time.

This reportable condition at SW027 was triggered by a single result from the composite sample collected May 3–4, 2018. Because of the relatively small volumes of water monitored at SW027 in 2018, only one sample could be collected.

All other analyte concentrations at RFLMA POE locations GS10, SW027, and SW093 remained below reportable condition levels throughout the second quarter of 2019. All analyte concentrations at RFLMA Point of Compliance locations WALPOC and WOMPOC also remained below reportable condition levels throughout the second quarter of 2019.

RFLMA-required groundwater monitoring during the second quarter of 2019 was conducted at the groundwater treatment systems and all monitoring wells except for Evaluation wells. Area of Concern well 10304, located in the Woman Creek drainage, continued to be reportable for trichloroethene (TCE). TCE was not detected in the grab sample collected from Woman Creek location SW10200 on the same day the well was sampled. Other results for groundwater samples were generally consistent with previous data. Groundwater monitoring data presented in this quarterly report will be evaluated as part of the annual report for 2019.

1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) is responsible for implementing the final response action selected in the *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit (CAD/ROD)* (DOE et al. 2006), issued on September 29, 2006, and amended on September 21, 2011 (DOE et al. 2011), for the Rocky Flats Site, Colorado (the Site). The Peripheral Operable Unit was transferred from DOE to the U.S. Department of the Interior in July 2007 to establish the Rocky Flats National Wildlife Refuge. DOE implements the monitoring and maintenance requirements of the CAD/ROD for the Central Operable Unit (COU) as described in the *Rocky Flats Legacy Management Agreement (RFLMA)* (DOE et al. 2007). The RFLMA was executed on March 14, 2007. Attachment 2 to the RFLMA has been revised since, most recently in 2018. Results of that 2018 revision were implemented beginning January 1, 2019.

RFLMA Attachment 2 specifies remedy performance standards; monitoring, inspection, and maintenance requirements; criteria for evaluating the results of monitoring and inspection; and reporting for the COU remedy. These requirements include environmental monitoring; maintenance of erosion controls, access controls (signs), landfill covers, and groundwater collection and treatment systems; and operation of the groundwater collection and treatment systems. The RFLMA also requires that the institutional controls (ICs), in the form of use restrictions as established in the CAD/ROD, be maintained.

This report is required in accordance with Section 7.0, “Periodic Reporting Requirements,” of RFLMA Attachment 2. The purpose of this report is to inform the regulatory agencies and stakeholders of the remedy-related surveillance, monitoring, and maintenance activities conducted at the Site during the second quarter (April 1–June 30) of calendar year (CY) 2019. LM provides periodic communications through several means, including this report, web-based tools, and public meetings.

LM maintains the *Rocky Flats Site, Colorado, Site Operations Guide (RFSOG)* (DOE 2018) as the primary document to guide the work performed to satisfy the requirements of the RFLMA and to implement best management practices (BMPs) at the Site. Several other Site-specific documents provide additional details regarding the requirements described in RFLMA Attachment 2, including all aspects of the surveillance, monitoring, and maintenance activities, as well as data evaluation protocols.

Monitoring data and summaries of the monitoring and maintenance activities for past quarters are available in the quarterly reports. Extensive discussion and evaluation of the surveillance, monitoring, and maintenance activities are presented each calendar year in the annual reports of Site surveillance and maintenance activities.

This report summarizes the following activities:

- Maintenance and inspection of the Present Landfill (PLF) and the Original Landfill (OLF)
- Maintenance and inspection of the groundwater collection and treatment systems
- Inspection of signs posted at the perimeter of the COU

- Erosion control and revegetation activities
- Routine water monitoring (in accordance with the RFLMA)

2.0 Site Operations and Maintenance

2.1 Landfills

2.1.1 Present Landfill

The PLF is inspected quarterly in accordance with the requirements of the *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site* (DOE 2014) and Attachment 2 of the RFLMA (DOE et al. 2007).

2.1.1.1 Inspection Results

The routine PLF inspection for the second quarter of 2019 was performed on May 24, 2019. No issues were identified during the inspection. Copies of the landfill inspection forms are presented in Appendix A.

2.1.1.2 Settlement Monuments

The settlement monuments at the PLF are surveyed annually in accordance with the RFLMA. The December 2018 annual survey of the PLF settlement monuments indicated that vertical settling is within the calculated settlements specified in Figure 3 of the *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site* (DOE 2014). The next settlement monument survey will be conducted near the end of 2019.

2.1.2 Original Landfill

The OLF is inspected monthly in accordance with requirements in the *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan* (DOE 2009) and Attachment 2 of the RFLMA (DOE et al. 2007). Because localized slumping and seep areas have been observed and because of the ongoing slope stability maintenance, investigation, and analysis activities, no reduction in the frequency of inspections was recommended in the *Fourth Five-Year Review Report for the Rocky Flats Site, Jefferson County, Colorado* (DOE 2017a) and previous 5-year reviews.

As discussed in the 2017 second quarter report, the toe of the hillside southeast of the landfill slumped and the boundaries of the slump were nearly identical to the boundaries of the spring 2016 slump (DOE 2017b). As a temporary stabilizing measure, the material that slumped into the lower portion of the East Perimeter Channel (EPC) was not removed as part of the 2017 maintenance. That material remained in the EPC through the second quarter of 2019, blocking flow in the EPC and creating a new flow path to Woman Creek along a well-vegetated area.

2.1.2.1 Inspection Results

The OLF monthly inspections were conducted on April 15, May 17, and June 19, 2019. During the April inspection, undermining of the soil was discovered at the central Berm 5 channel in the form of an approximately 2-inch by 3-inch hole with a 1 cubic foot (ft³) cavity beneath. The hole was photographed, located on a map, and filled in. During the May inspection, five holes ranging from 1 to 2 inches in diameter and 3 to 4 inches in depth were discovered along the east end of the scarp above the east end of Berm 4. The holes were photographed, located on a map, and filled in. They did not reappear in the subsequent June inspection. During the June inspection, several issues were observed after heavy rainfall in late May. Evidence of erosion was discovered across the east supporting hillside as numerous ¼- to ½-inch rills and sediment buildup along erosion control wattles, as well as 2 to 3 ft³ of sediment deposited within the lower EPC. Erosion and sediment buildup were photographed and repaired or removed using hand tools. An area of saturated soil approximately 13 feet wide and 70 feet long was discovered east of the East Subsurface Drain (ESSD) S1 riser. The saturation had almost dried up by the end of the inspection; however, it reappeared the following day and persisted into late June. Completed inspection forms, maps, and associated photographs are presented in Appendix A.

The meteorological station at the Site recorded a total of 6.25 inches of precipitation during the second quarter of 2019. For comparison, the National Renewable Energy Laboratory tower, near the northwest corner of the Site, reported a total of 7.26 inches of precipitation during the same period. The precipitation gage at the Site station is not heated and therefore may not accurately measure precipitation that falls as snow.

Seeps at the OLF are observed during monthly and weather-related inspections. Seep flow during the second quarter of 2019 was consistent with that of previous quarters, except for Seep 10, which was dry during the entire period. This is most likely due to the installation of the sump and siphon line. Estimates for individual seep flow rates are included in the monthly OLF inspection reports (Appendix A).

2.1.2.2 Settlement Monuments

The settlement monuments at the OLF are surveyed quarterly in accordance with the RFLMA. The second quarter 2019 surveys were performed on June 10, 2019. Survey data indicate that vertical settling at each monument is within the calculated settlements specified in Figure 3-1 of the *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan* (DOE 2009). The survey results are presented in Appendix A.

2.1.2.3 Stabilization Activities

As described in previous quarterly reports, maintenance actions were taken to improve surface water and groundwater management at the OLF to reduce the risk of additional slumping of the eastern supporting hillside. These actions included the repair and upgrade of the ESSD (completed in the first quarter of 2017) near the northeast corner of the OLF so that it functions as intended and is less likely to clog. The ESSD was inspected during the second quarter of 2019, with no deficiencies observed. Construction of a temporary groundwater intercept system was completed in the second quarter of 2017 to divert groundwater upgradient of the eastern

portion of the landfill hillside. The temporary groundwater intercept system was restarted May 17 and continued to operate through the end of the quarter.

The sump and siphon line installed near Seep 10 was restarted on March 27, 2019, after being shut down during the winter, and it continued to operate through the end of the quarter. The flow total for the second quarter of 2019 was approximately 745,600 gallons.

The geotechnical slope stability evaluation was completed in September 2018. Design of slope stabilization for the OLF hillside commenced in the fourth quarter of 2018 and was completed in May 2019. The bid package was also issued in May 2019.

2.2 Former Building Area Inspections

In accordance with the RFLMA, the COU is monitored for significant erosion annually and following major precipitation events. Particular attention is paid to areas near remaining subsurface features (e.g., former buildings, ash pits, and trenches). Former building areas 371, 771, 881, and 991 are inspected quarterly as a BMP. The second quarter 2019 inspection was performed on May 30. No notable changes in depressions and no new areas of subsidence were observed in these areas during the inspection.

2.3 North Walnut Creek Slump

The hillside east of the Solar Ponds Plume Treatment System (SPPTS) is the site of a slump that is monitored as a BMP. This slump is referred to as the North Walnut Creek Slump (NWCS).

Additional slumping was noted on the hillside east of the SPPTS after the heavy precipitation events of 2015. During the spring precipitation of 2016, the slumping became more pronounced. Site staff determined that if there was additional movement, a groundwater monitoring well, elements of the Interceptor Trench System (ITS), the ITS Sump (ITSS), and the SPPTS groundwater collection trench could be impacted. A geotechnical engineering firm was hired to evaluate the NWCS and the potential effect on the SPPTS and other components.

In the second quarter of 2017, an interim maintenance project to regrade the NWCS was implemented to promote positive drainage and regrade material encroaching on the groundwater monitoring well and the ITSS (DOE 2017b). Monitoring continues with periodic maintenance as required. No maintenance was required during the second quarter of 2019.

Geotechnical investigation and analyses were completed in 2018. It was determined that additional geotechnical and groundwater data are needed to complete a full evaluation of the hillside. Planning for that additional investigation and data collection continued into the second quarter of 2019.

2.4 Site Road Maintenance

No road maintenance was conducted during the second quarter of 2019. However, planning was underway for road maintenance activities to be conducted in the third quarter.

2.5 Groundwater Treatment Systems

The four groundwater collection or treatment systems are monitored, operated, and maintained in accordance with requirements defined in the RFLMA and the additional implementation detail in the RFSOG. The Mound Site Plume Collection System (MSPCS), formerly the Mound Site Plume Treatment System, no longer treats groundwater; it was reconfigured in 2016 to collect groundwater and route it to the East Trenches Plume Treatment System (ETPTS) for treatment. Three of these systems (MSPCS, ETPTS, and SPPTS) include a groundwater collection trench, which is similar to a French drain with an impermeable membrane on the downgradient side. The fourth system, the PLF Treatment System (PLFTS), passively treats water from the northern and southern components of the PLF Groundwater Intercept System and water that flows from the PLF seep.

2.5.1 Mound Site Plume Collection System

Routine maintenance performed at the MSPCS during the second quarter of 2019 included inspecting the batteries and other solar-power components; exercising valves; checking water levels in the collection trench and lift station; cleaning and calibrating the associated pressure transducers; clearing piping; checking flow rates to and from the collection trench and lift station; checking operation of the transfer pump in the lift station; and cutting the vegetation around system components as necessary.

Refer to Section 3.1.9.1 for information on water quality monitoring.

2.5.2 East Trenches Plume Treatment System

Routine maintenance at the ETPTS in the second quarter of 2019 included inspecting the batteries and other solar-power components; exercising valves; adjusting valves and settings to modify water- and air-flow rates and maintain air-stripper operation; greasing the blower motor; replacing the air-stripper door and trays with cleaned units when required due to hard-water scale deposits; checking water levels in the collection trench and influent and effluent tanks; cleaning and calibrating the associated pressure transducers; cleaning the air-flow sensor and diffuser; checking and clearing lines as needed; and cutting the vegetation around system components as necessary. In addition, stairs were installed in a vault to assist safe entry and exit.

Refer to Section 3.1.9.2 for information on water quality monitoring.

2.5.3 Solar Ponds Plume Treatment System

Routine maintenance during the second quarter of 2019 at the SPPTS included inspecting the batteries and other solar-power components; exercising valves; cleaning flow meters, air release valves, pumps, and other plumbing components; cleaning and adjusting water-level transducers; flushing lines to clear clogs and maintain flows; and cutting the vegetation around system components as necessary. The dosing pump was calibrated, and the nutrient solution dose rate was adjusted (decreased) as the weather warmed. Seasonally shallower groundwater began to accumulate in the bottom of some vaults, as is normal every year, and was pumped from the vaults as needed.

In addition, the datalogger was replaced and additions were made to the edges of the bird netting installed over the top of the nitrate treatment component (the “Big Box” lagoon) to limit intrusion by birds and small animals. This addition was completed early in the third quarter of 2019.

Refer to Section 3.1.9.3 for information on water quality monitoring.

2.5.4 Present Landfill Treatment System

Routine maintenance activities continued at the PLFTS through the second quarter of 2019. These activities consisted of inspecting the system for potential problems. No issues were identified during the inspection.

Refer to Section 3.1.9.4 for information on water quality monitoring.

2.6 Sign Inspection

The RFLMA requires that warning signs (“U.S. Department of Energy – No Trespassing”) be posted at intervals around the perimeter of the COU to notify people that they are at the boundary of the COU. In addition, signs listing the ICs and providing contact information must be posted at access points to the COU. The signs are required by the remedy as physical controls, are inspected quarterly, and are maintained through repair or replacement as needed. Physical controls protect the engineered components of the remedy, including landfill covers, groundwater treatment systems, and monitoring equipment, which are also inspected routinely during monitoring and maintenance activities.

The signs were inspected during the second quarter of 2019 on May 15, 2019. No problems were observed with the signs.

2.7 Erosion Control and Revegetation

Monitoring and maintenance of the Site erosion control features were performed throughout the second quarter of 2019, especially following high-wind or precipitation events. Stakes loosened or displaced by high winds or rain on the erosion control wattles, matting, or GeoRidges were routinely fixed. Sediment was removed from behind the wattles and GeoRidges as needed. As required by the RFLMA ICs, erosion controls were installed and maintained for the various projects that were ongoing during the second quarter of 2019.

3.0 Environmental Monitoring

This section summarizes the environmental monitoring conducted in accordance with the RFLMA Attachment 2 (DOE et al. 2007). RFLMA Attachment 2, Table 1, “Surface Water Standards,” is used in conjunction with the evaluation flowcharts also found in the attachment to evaluate analytical data and determine reportable conditions. Reportable conditions, as defined in RFLMA Attachment 2, Section 6.0, “Action Determinations,” require consultation between the RFLMA parties (DOE, the Colorado Department of Public Health and Environment, and the U.S. Environmental Protection Agency) to determine appropriate actions.

In this report, a condition described as “reportable” means that an analyte concentration at a surface water Point of Compliance (POC) or Point of Evaluation (POE) monitoring location has exceeded an RFLMA Table 1 water quality standard consistent with the evaluation flowcharts in Attachment 2 of the RFLMA. This term can also be applied to groundwater monitoring wells classified as Area of Concern (AOC) wells, also as described in the flowcharts in Attachment 2 of the RFLMA. DOE is required to inform the RFLMA parties and the public of a reportable condition within 15 days of receiving validated data. Within 30 days of receiving validated data, DOE is required to submit a plan and schedule to the regulatory agencies for an evaluation to address the occurrence.

In this report, “plutonium” or “Pu” refers to plutonium-239,240 or $^{239}\text{Pu} + ^{240}\text{Pu}$; “americium” or “Am” refers to americium-241 or ^{241}Am ; and “nitrate” refers to nitrate + nitrite as nitrogen (N). In addition, the terms “activity” and “concentration” are used interchangeably for both plutonium and americium to represent the amount of radioactivity or radioactive material per unit of water (i.e., picocuries per liter [pCi/L]).

3.1 Water Monitoring

This section includes:

- A discussion of the routine analytical results for the POC, POE, PLF, and OLF surface water monitoring objectives and identification of any reportable conditions.
- Summaries of the routine groundwater monitoring at AOC wells, Sentinel wells, Evaluation wells, and Resource Conservation and Recovery Act (RCRA) wells; treatment system monitoring; Surface Water Support monitoring; and performance monitoring at the Site.

RFLMA Attachment 2 and the RFSOG offer details about the monitoring locations, sampling criteria, and evaluation protocols for the water monitoring objectives mentioned in the following sections. Appendix B of this report provides analytical water quality data for the second quarter of 2019. The annual report for 2019 will provide a more detailed interpretation and discussion of the water quality data.

3.1.1 Water Monitoring Highlights

During the second quarter of 2019, water monitoring met the targeted monitoring objectives required by the RFLMA. The routine RFLMA network consists of eight automated gaging stations, 11 surface water grab sampling locations, seven groundwater treatment system locations, and 88 groundwater monitoring locations. Additional locations are occasionally sampled in support of investigations in response to reportable conditions. During the second quarter, 48 flow-paced, composite surface water samples; 20 surface water grab samples; 17 treatment system grab samples; and 48 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis.¹ Figure 1 shows monitoring locations that were sampled during the quarter.

¹ Composite samples consist of multiple aliquots (“grabs”) of identical volume. Each grab is delivered by the automatic sampler to the composite container at each predetermined flow volume or time interval. During the second quarter of 2019, the 48 flow-paced composites comprised 2052 individual grabs.

POE monitoring location SW027, at the end of the South Interceptor Ditch at the inlet to Pond C-2, was reportable for plutonium during the second quarter of 2019. The 12-month rolling averages for plutonium exceeded the RFLMA standard of 0.15 pCi/L, resulting in a reportable condition at SW027 from June 2018 through April 2019. Analytical results are pending for May and June 2019 given that the required volume for analysis is still being collected. Therefore, averages for those months cannot be calculated at this time.

All other analyte concentrations at RFLMA POE locations GS10, SW027, and SW093 remained below reportable condition levels throughout the second quarter of 2019. All analyte concentrations at RFLMA POC locations WALPOC and WOMPOC remained below reportable condition levels throughout the second quarter of 2019.

RFLMA-required groundwater monitoring during the second quarter of 2019 was conducted at the groundwater treatment systems and all monitoring wells except for Evaluation wells. Results were generally consistent with previous data. However, results for one Area of Concern (AOC) well in the Woman Creek drainage represent a continuation of a reportable condition for trichloroethene (TCE); surface water downgradient of this well was also sampled, and TCE was not detected. Groundwater monitoring data presented in this quarterly report will be evaluated as part of the annual report for 2019.

3.1.2 POC Monitoring

The following sections include summary tables and plots showing the applicable 30-day and 12-month rolling averages for the POC analytes.

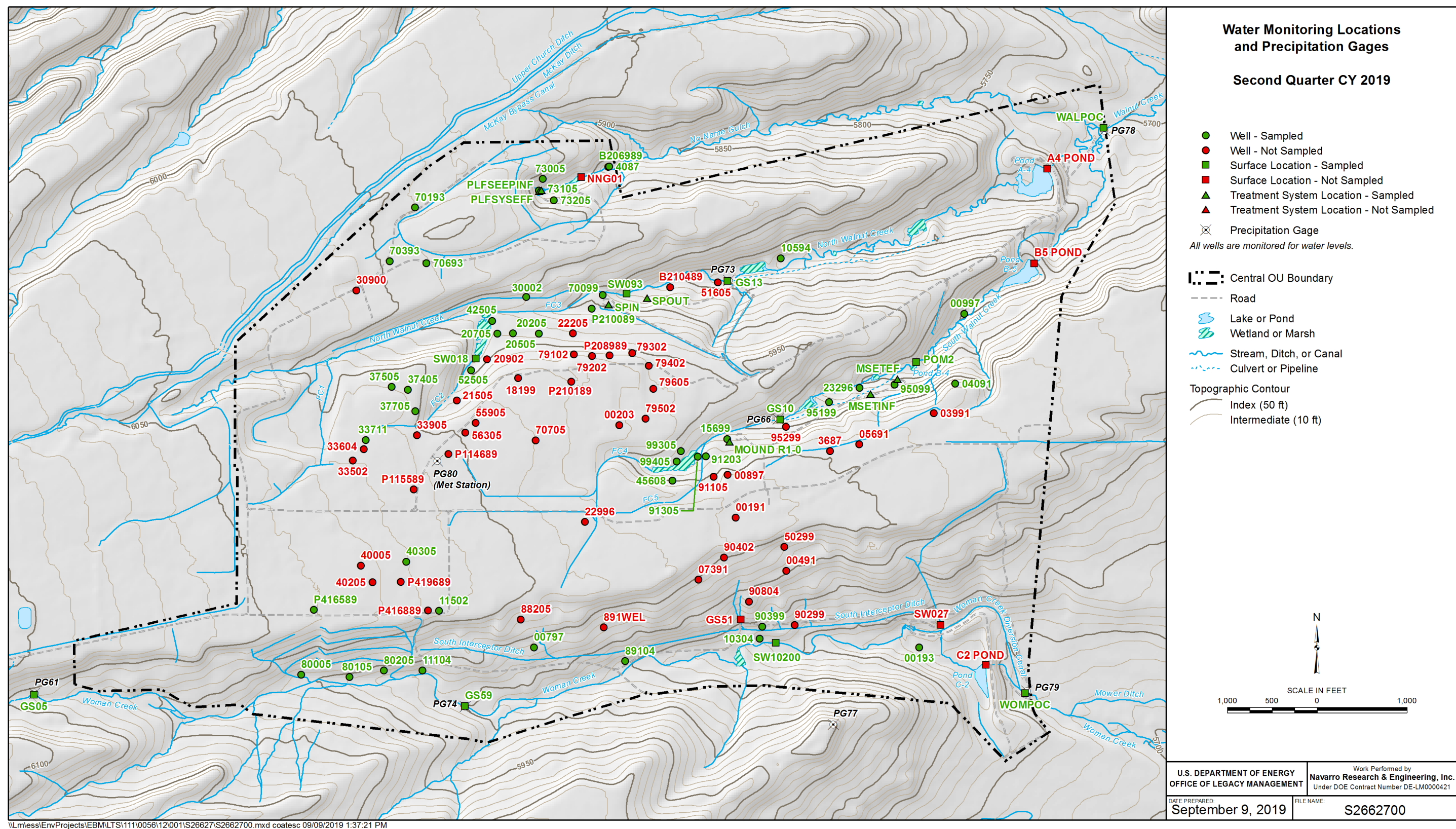


Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gages

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3.1.2.1 Monitoring Location WALPOC

Monitoring location WALPOC is on Walnut Creek at the eastern COU boundary. Figure 2 through Figure 7 show no occurrences of reportable conditions for 12-month rolling or 30-day averages through June 30, 2019, for americium, plutonium (in pCi/L), uranium (in micrograms per liter [µg/L]), or nitrate + nitrite as nitrogen (in milligrams per liter [mg/L]). The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.

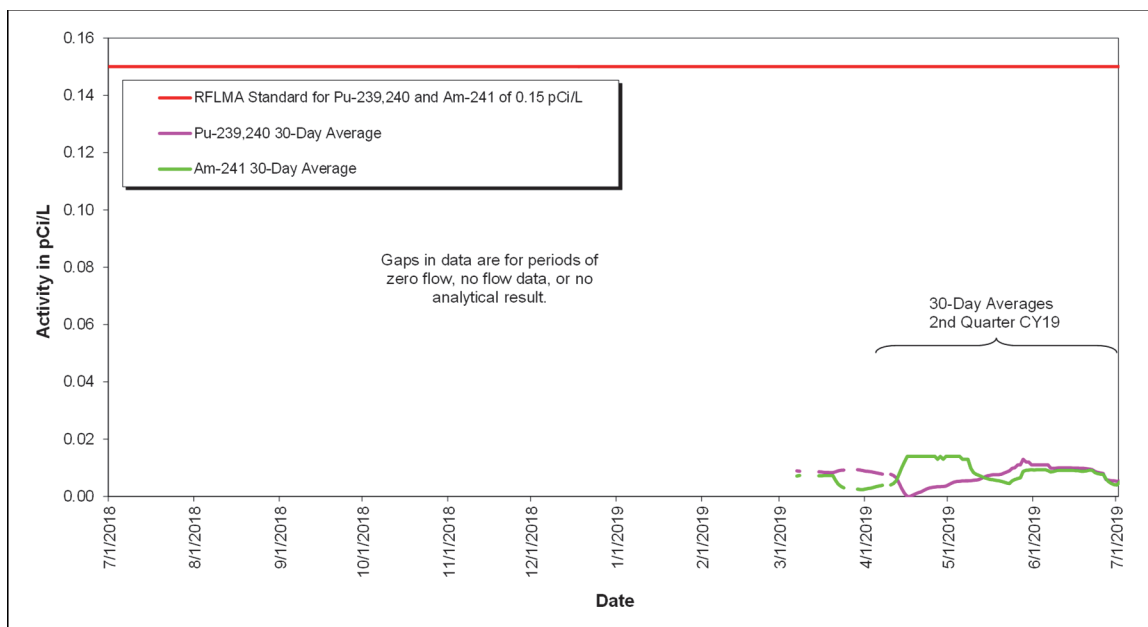


Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WALPOC: Year Ending Second Quarter 2019

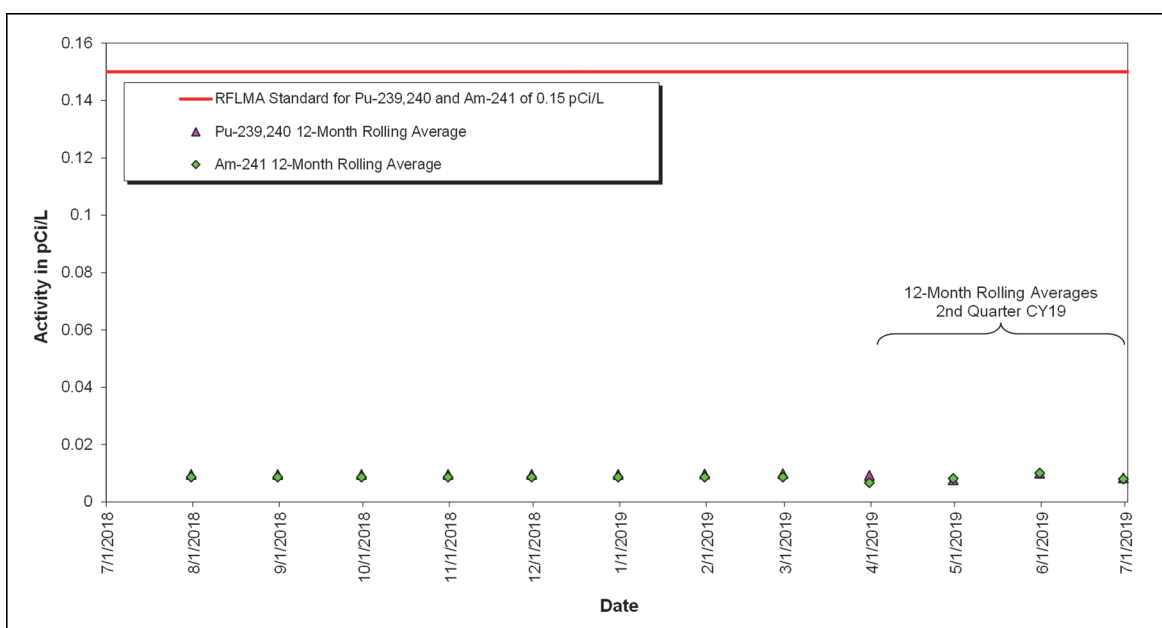


Figure 3. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WALPOC: Year Ending Second Quarter 2019

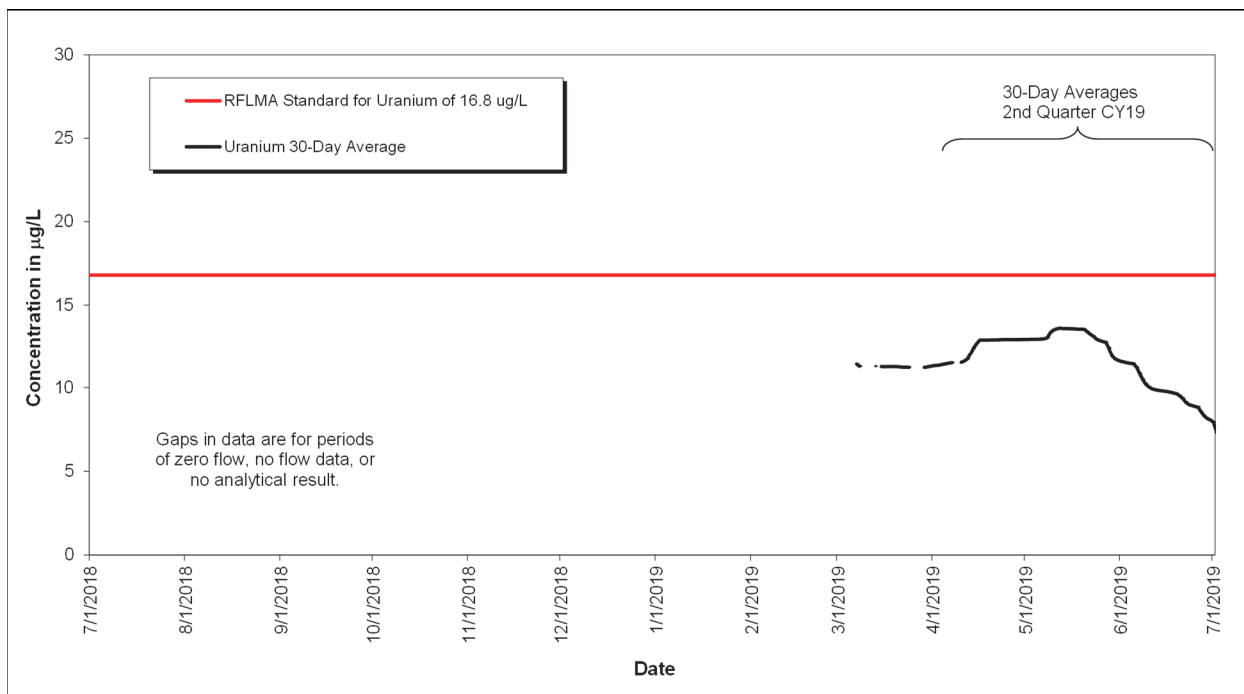


**Figure 4. Volume-Weighted 30-Day Average Uranium Concentrations at WALPOC:
Year Ending Second Quarter 2019**

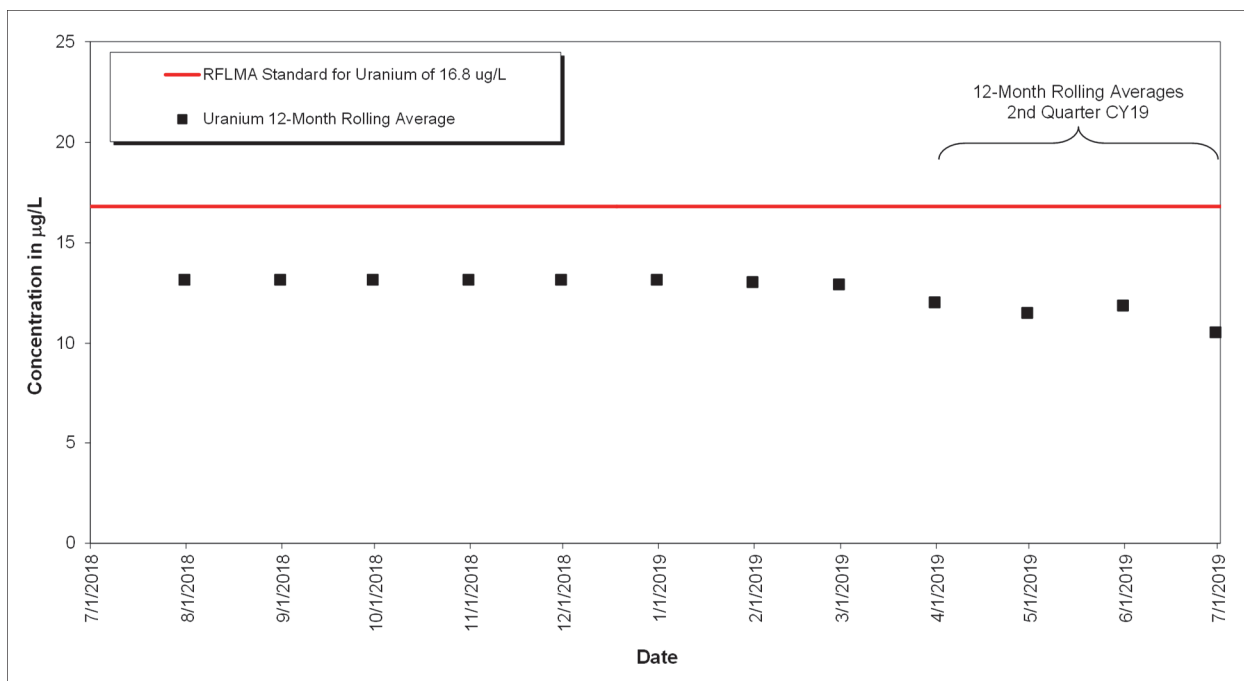


**Figure 5. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WALPOC:
Year Ending Second Quarter 2019**

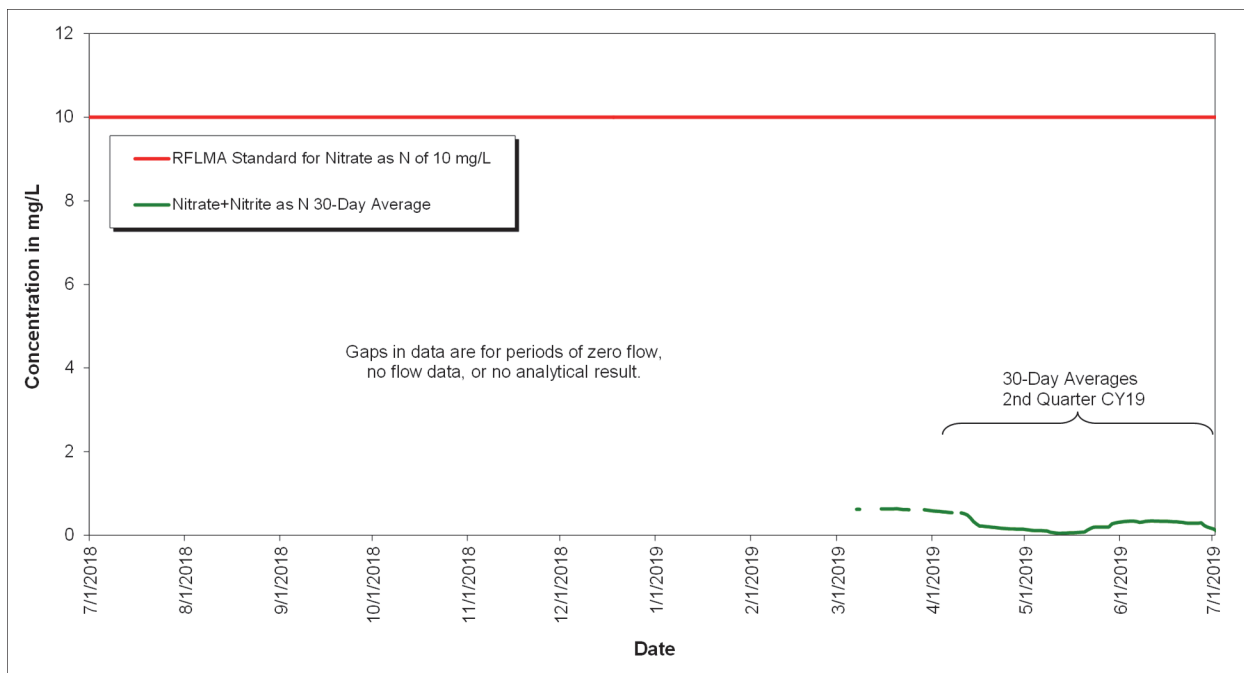


Figure 6. Volume-Weighted 30-Day Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending Second Quarter 2019

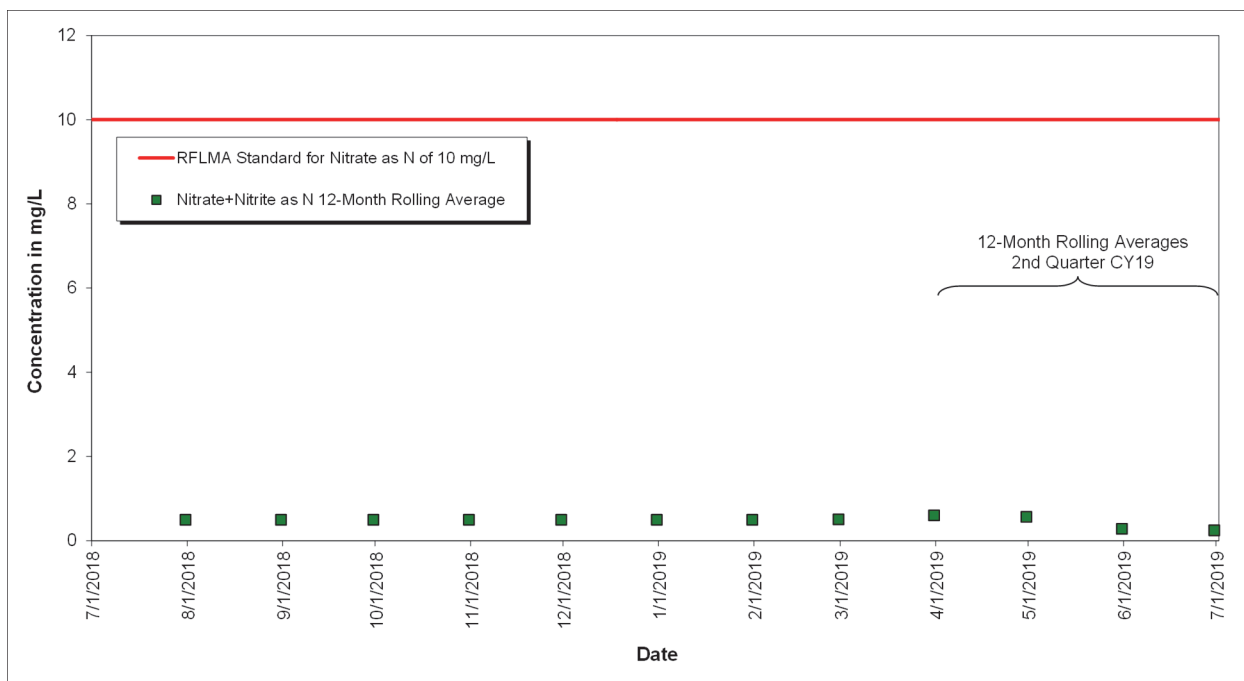


Figure 7. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending Second Quarter 2019

3.1.2.2 Monitoring Location WOMPOC

Monitoring location WOMPOC is on Woman Creek at the eastern COU boundary. Figure 8 through Figure 11 show no occurrences of a reportable condition for 12-month rolling or 30-day averages through June 30, 2019, for americium, plutonium (in pCi/L), or uranium (in µg/L). The sampler was not configured properly on June 26, 2019, leading to missed grabs for the last few days of the quarter. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.

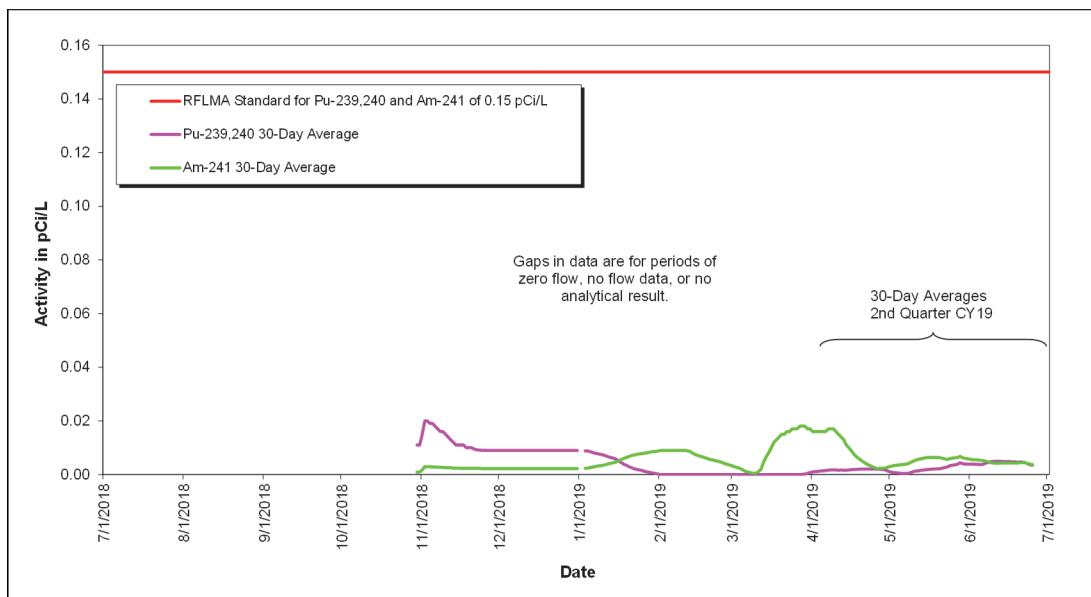


Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WOMPOC: Year Ending Second Quarter 2019

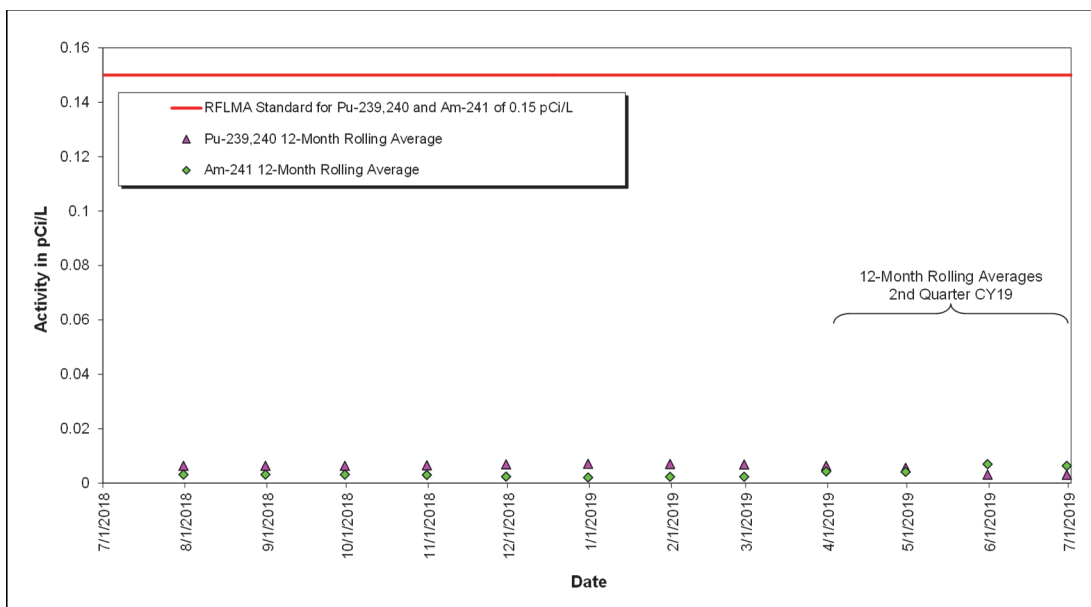


Figure 9. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WOMPOC: Year Ending Second Quarter 2019

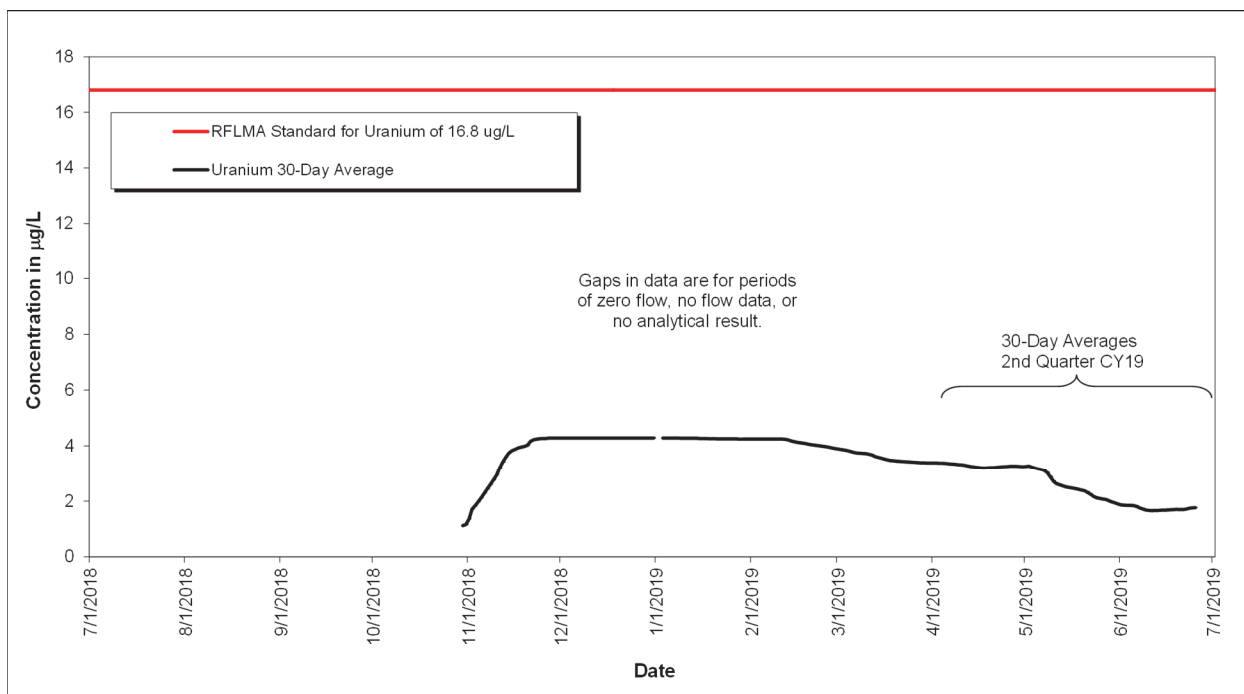


**Figure 10. Volume-Weighted 30-Day Average Uranium Concentrations at WOMPOC:
Year Ending Second Quarter 2019**

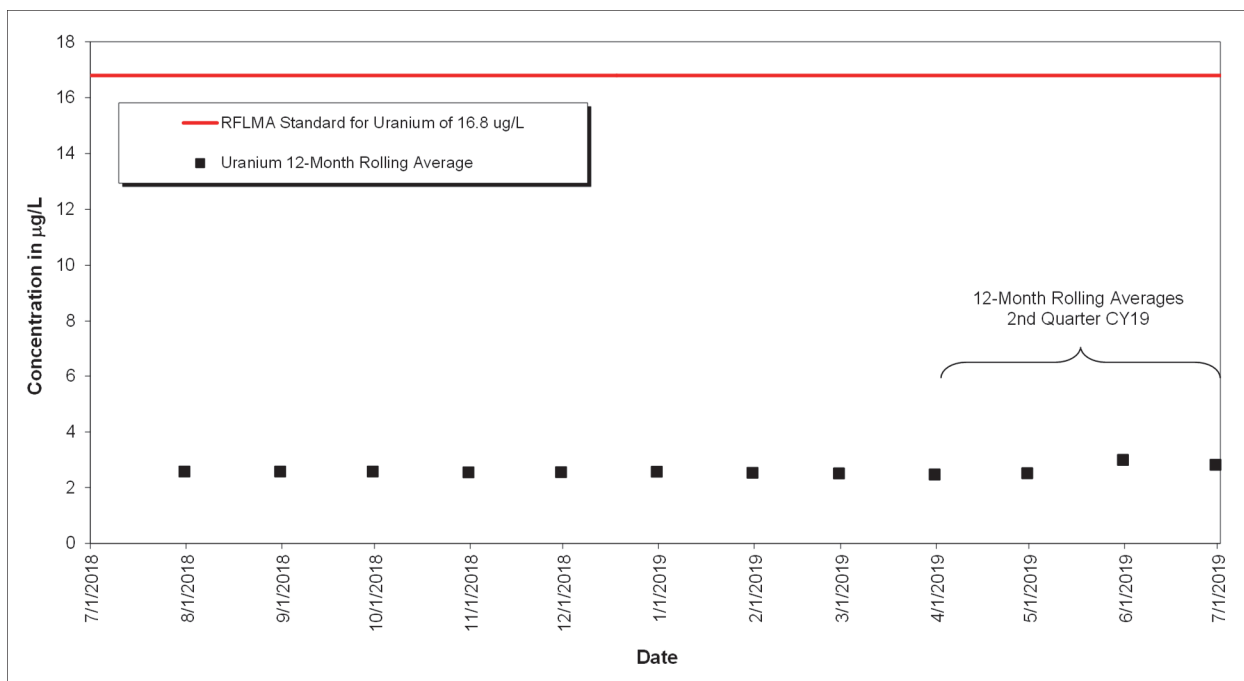


**Figure 11. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WOMPOC:
Year Ending Second Quarter 2019**

3.1.3 POE Monitoring

The following sections include summary plots showing the applicable 12-month rolling averages for the POE analytes.

3.1.3.1 Monitoring Location GS10

Monitoring location GS10 is on South Walnut Creek just upstream of the B-Series ponds. Figure 12 and Figure 13 show no occurrences of a reportable condition for 12-month rolling averages for plutonium, americium, or uranium values during the quarter. The method for calculating the 12-month rolling averages is detailed in the annual report.

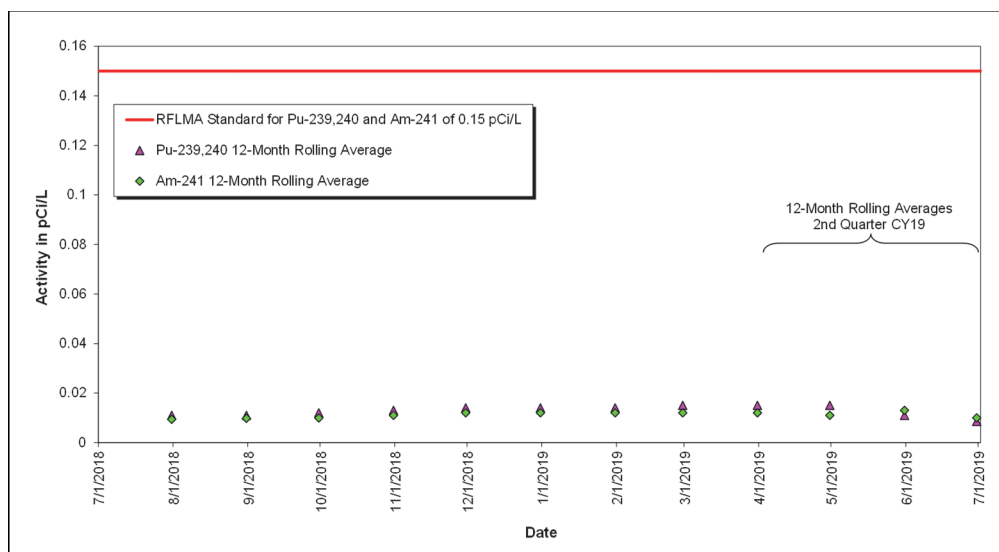


Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Year Ending Second Quarter 2019

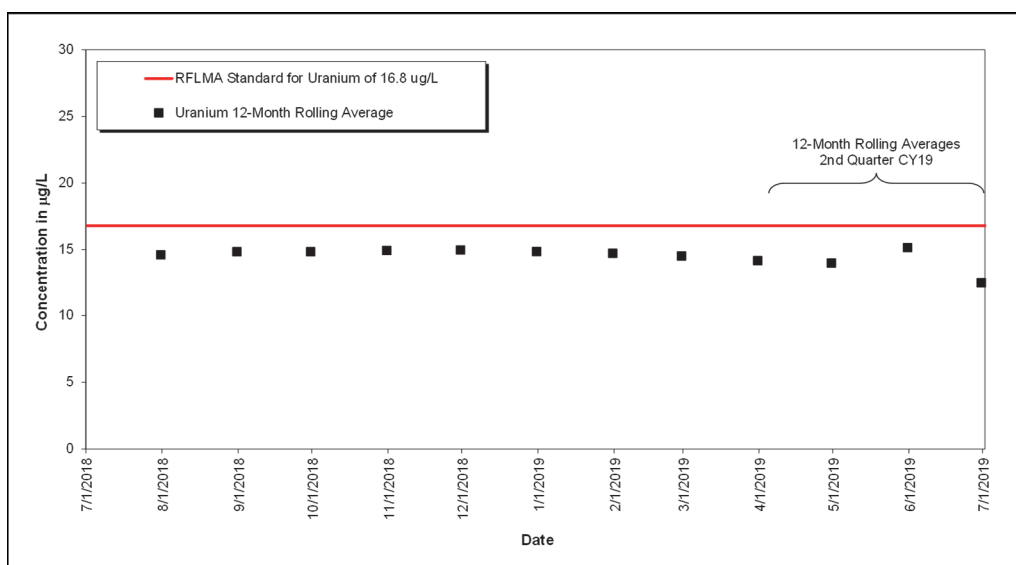


Figure 13. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at GS10: Year Ending Second Quarter 2019

3.1.3.2 *Monitoring Location SW027*

Monitoring location SW027 is at the end of the South Interceptor Ditch at the inlet to Pond C-2. Figure 14 shows that the 12-month rolling average for plutonium exceeded the RFLMA standard of 0.15 pCi/L, resulting in a reportable condition at SW027 from June 2018 through April 2019.

There was no flow at SW027 in 2019 until May 28. Since the composite sample that has been in progress since May 28 does not have enough water volume for analysis, no analytical results are yet available for the 2019 flow period. Therefore, averages for May and June 2019 cannot be calculated at this time.

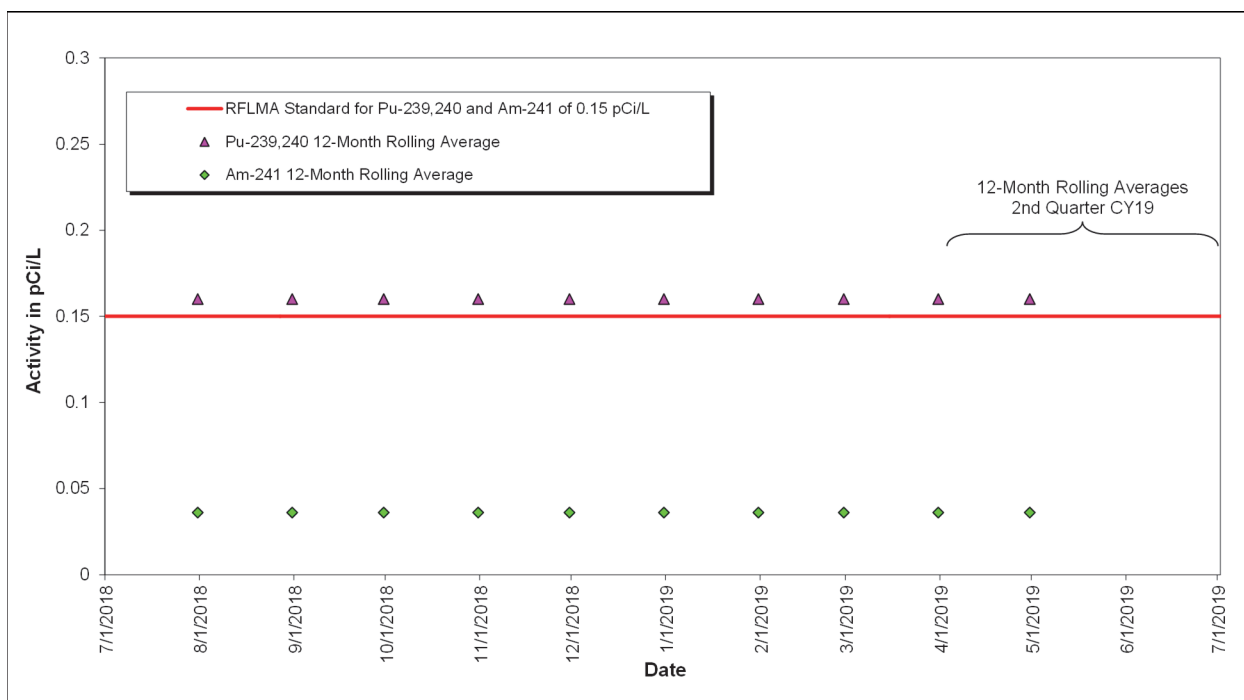
The reportable 12-month rolling average values include only a single result from the composite sample collected on May 3–4, 2018. Due to the relatively small volumes of water monitored at SW027 in 2018, only one sample could be collected. All other analytes were not reportable during the current quarter.

Details regarding this reportable condition for plutonium at location SW027 can be found in RFLMA Contact Record 2019-01 (https://www.lm.doe.gov/Rocky_Flats/ContactRecords.aspx).

Figure 15 shows water quality data for plutonium and americium from October 2005 through June 2019. This figure shows the recent reportable values in comparison to the entire postclosure period.

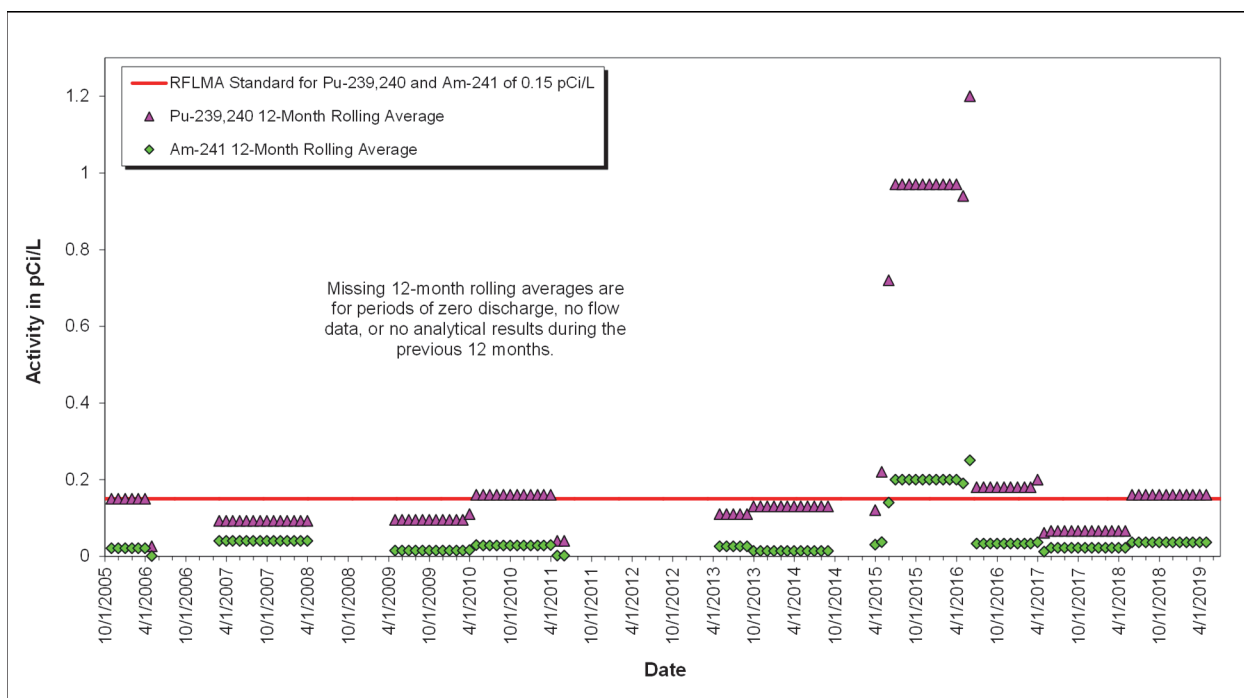
Table 1 lists the americium, plutonium, and uranium results for composite samples collected at location SW027 during 2017 through 2019.

Downstream monitoring at WOMPOC continues to show plutonium and americium concentrations well below 0.15 pCi/L for the entire period of reportable conditions for americium and plutonium at location SW027 (Table 2). The latest available 30-day average and 12-month rolling plutonium and americium concentrations at WOMPOC calculated from flow-paced composite samples are shown on Figure 8 and Figure 9, respectively.



Note: The current composite sample is in progress, and analytical results are not available for May and June 2019.

Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Year Ending Second Quarter 2019



Note: The current composite sample is in progress, and analytical results are not available for May and June 2019.

Figure 15. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Concentrations at SW027: Postclosure Period

Table 1. 2017–2019 Composite Sampling Results at Location SW027

Start Date and Time	End Date and Time	Americium Result (pCi/L)	Plutonium Result (pCi/L)	Uranium Result (µg/L)
5/23/2017 14:58	5/3/2018 9:01	NSQ ^a	NSQ ^a	NSQ ^a
5/3/2018 9:01	5/4/2018 12:28	0.036	0.159	2.26
5/4/2018 12:28	1/3/2019 16:00	NSQ ^b	NSQ ^b	NSQ ^b
1/3/2019 16:00	In progress ^c	NA	NA	NA

Notes:

^a During this period, an insufficient quantity of water was collected for analysis due to unanticipated changes in flow rates. The collected sample volume was discarded to modify the sampling pace and close out 2017. The flow volume for this period represented less than 5% of the total 2017 flow volume. There was no flow from 1/1/2018 through 5/2/2018.

^b During this period, an insufficient quantity of water was collected for analysis due to unanticipated changes in flow rates. The collected sample volume was discarded to modify the sampling pace and close out 2018. The flow volume for this period represented approximately 6% of the total 2018 flow volume.

^c No flow through May 27, 2019.

Abbreviations:

NA = not available

NSQ = nonsufficient quantity for analysis

Table 2. 2018–2019 Composite Sampling Results at WOMPOC

Start Date and Time	End Date and Time	Americium Result (pCi/L)	Plutonium Result (pCi/L)	Uranium Result (µg/L)
11/2/2017 16:02	1/4/2018 15:28	0.013	0.003	4.41
1/4/2018 15:27	2/5/2018 10:38	0.004	0.002	4.58
2/5/2018 10:38	3/2/2018 10:47	0.003	0.003	5.06
3/2/2018 10:47	3/20/2018 12:52	0.002	0.006	4.43
3/20/2018 12:52	3/29/2018 11:24	0.004	0.003	3.35
3/29/2018 11:24	4/10/2018 12:48	0.007	0.002	2.71
4/10/2018 12:48	4/26/2018 10:33	0.000	0.010	3.16
4/26/2018 10:33	5/3/2018 14:57	0.008	0.014	2.10
5/3/2018 14:57	5/14/2018 14:10	0.000	0.007	1.53
5/14/2018 14:10	5/21/2018 13:48	0.000	0.006	0.92
5/21/2018 13:48	7/2/2018 11:13	0.003	0.021	1.57
7/2/2018 11:13	1/3/2019 12:35	0.002	0.009	4.29
1/3/2019 12:33	2/12/2019 13:12	0.009	0.000	4.25
2/12/2019 13:12	3/11/2019 13:48	0.000	0.000	3.70
3/11/2019 13:48	3/28/2019 13:30	0.026	0.000	3.28
3/28/2019 13:30	4/9/2019 11:50	0.002	0.005	3.44
4/9/2019 11:50	4/18/2019 11:59	0.000	0.000	2.88
4/18/2019 11:59	5/3/2019 11:11	0.007	0.000	3.62
5/3/2019 11:11	5/13/2019 12:02	0.007	0.002	2.08
5/13/2019 12:02	5/24/2019 10:45	0.004	0.004	1.83
5/24/2019 10:45	5/29/2019 13:33	0.011	0.009	1.71
5/29/2019 13:33	6/6/2019 13:38	0.000	0.000	1.64
6/6/2019 13:38	6/10/2019 10:53	0.002	0.008	1.29

Table 2. 2018–2019 Composite Sampling Results at WOMPOC (continued)

Start Date and Time	End Date and Time	Americium Result (pCi/L)	Plutonium Result (pCi/L)	Uranium Result (µg/L)
6/10/2019 10:53	6/26/2019 11:12	0.005	0.000	2.45
6/26/2019 11:14	7/11/2019 11:31	NSQ ^a	NSQ ^a	NSQ ^a
7/11/2019 11:31	In progress	NA	NA	NA

Note:

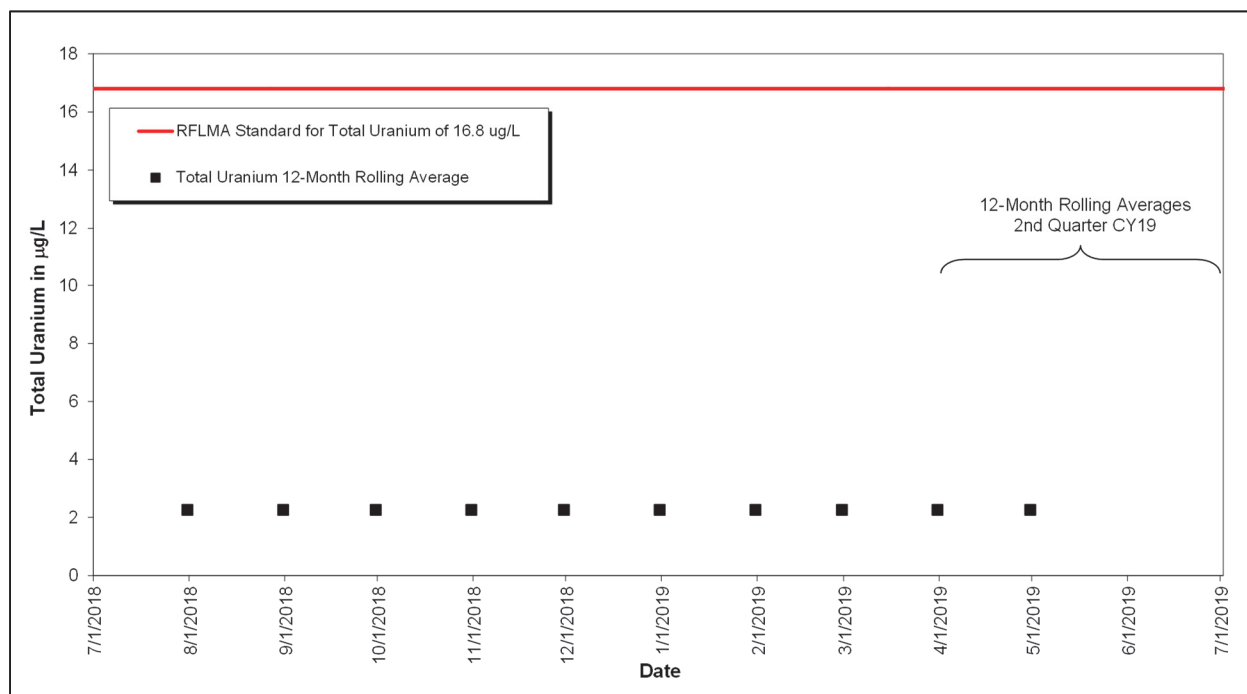
^a During this period, the automated sampler was incorrectly configured and no sample was collected.

Abbreviations:

NA = not available

NSQ = nonsufficient quantity for analysis

Figure 16 shows that the 12-month rolling average for uranium at location SW027 was not reportable during the quarter.



Note: The current composite sample is in progress, and analytical results are not available for May and June 2019.

Figure 16. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW027: Year Ending Second Quarter 2019

3.1.3.3 Monitoring Location SW093

Monitoring location SW093 is on North Walnut Creek, 1300 feet upstream of former Pond A-1. Figure 17 and Figure 18 show no occurrences of a reportable condition for 12-month rolling averages for plutonium, americium, or uranium values for the quarter. The method for calculating the 12-month rolling averages is detailed in the annual report.

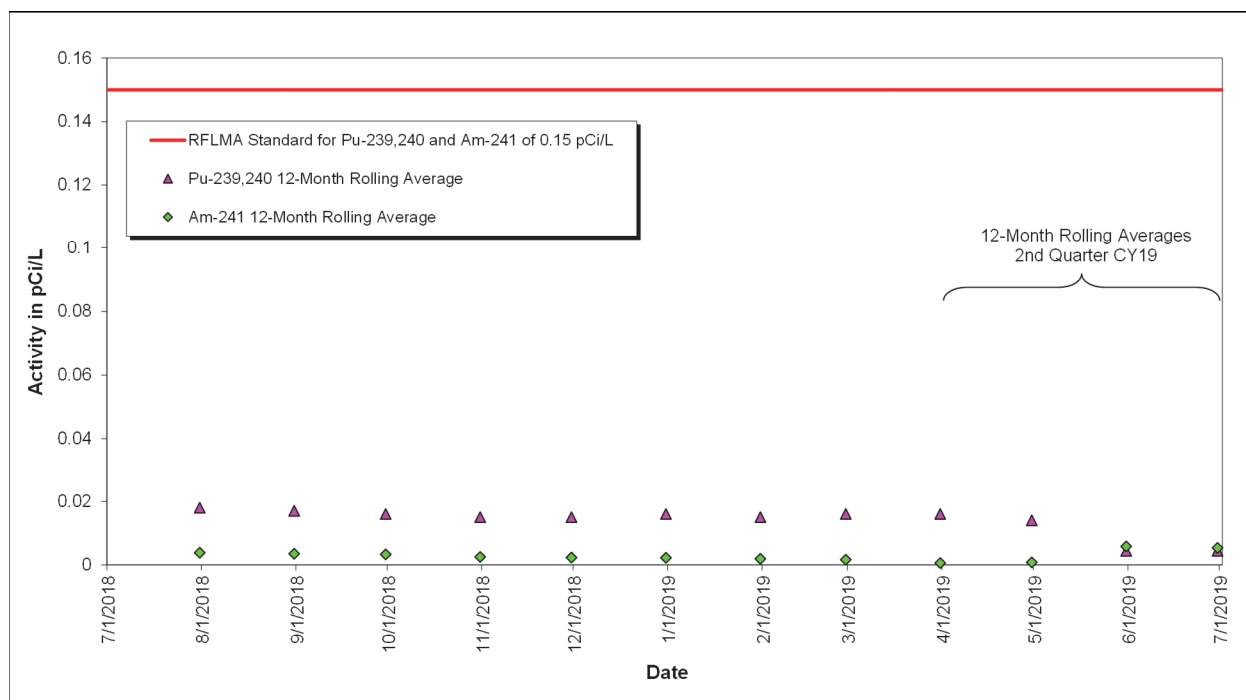


Figure 17. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Year Ending Second Quarter 2019

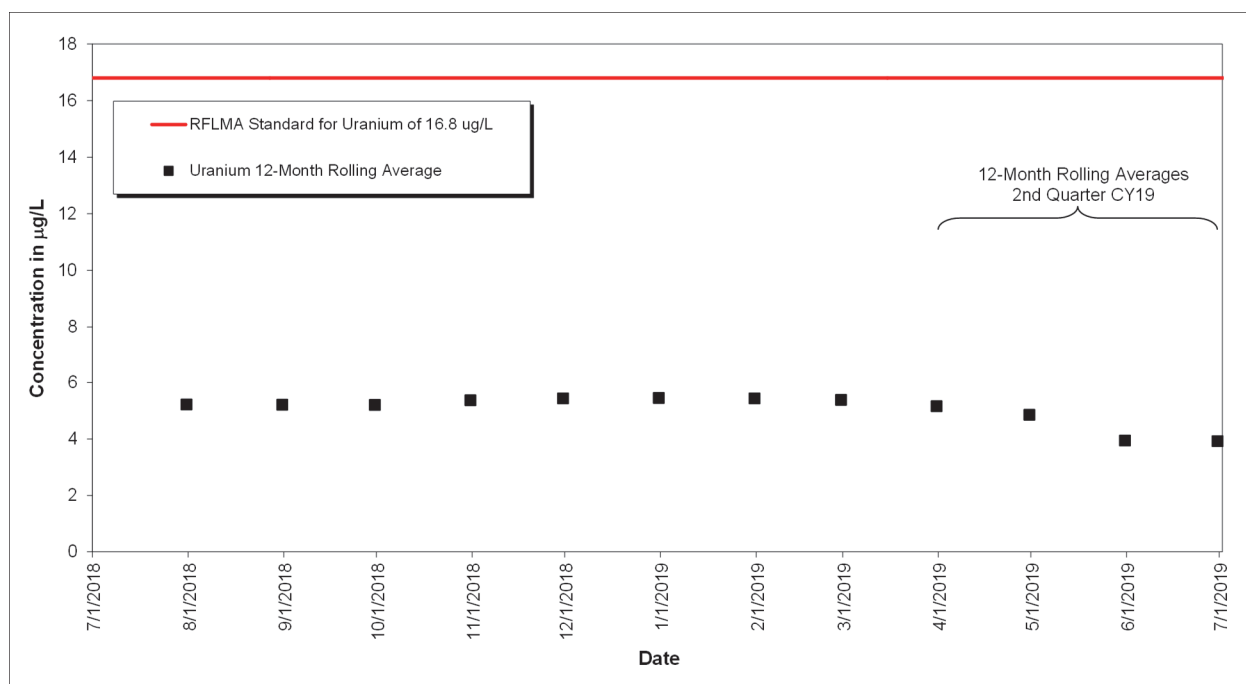


Figure 18. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW093: Year Ending Second Quarter 2019

3.1.4 AOC Wells and Surface Water Support Location SW018

Each of the AOC wells and Surface Water Support location SW018 were scheduled for RFLMA monitoring in the second quarter of 2019. Results (Appendix B) were generally consistent with previous data except that one AOC well is reportable.

AOC well 10304 remained reportable for TCE in the second quarter of 2019. This well monitors groundwater downgradient of the 903 Pad/Ryan's Pit Plume and adjacent to Woman Creek to evaluate whether surface water in Woman Creek may be impacted by the plume. This reportable condition follows detection of TCE at concentrations exceeding its corresponding RFLMA Table 1 standard in routine samples collected in the second and fourth quarters of 2018, as communicated in Consultation Posting 010819. The well was sampled on June 6, 2019, and reported a TCE concentration of 3.5 µg/L, above the RFLMA standard of 2.5 µg/L. In accordance with that posting, grab samples were also collected from Woman Creek location SW10200 the same day well 10304 was sampled to assess whether the contaminant plume may be impacting surface water. TCE was not detected in the surface water sample. The current reportable condition for TCE at well 10304 appears to be related to the prior reportable condition at this well, which is discussed in Contact Record 2015-10 and subsequent quarterly and annual reports. Additional evaluation will be provided in the annual report for 2019.

3.1.5 Sentinel Wells

All Sentinel wells were scheduled for RFLMA monitoring in the second quarter of 2019. Results (Appendix B) will be discussed and statistically evaluated in the 2019 annual report.

3.1.6 Evaluation Wells

None of the Evaluation wells were scheduled for RFLMA monitoring in the second quarter of 2019.

3.1.7 PLF Monitoring

The six RCRA wells at the PLF were sampled during the second quarter of 2019. Analytical results (Appendix B) were generally consistent with those of past samples and will be discussed and statistically evaluated as part of the annual report for 2019. Section 3.1.9.4 discusses monitoring at the PLFTS.

3.1.8 OLF Monitoring

The four RCRA wells at the OLF were sampled during the second quarter of 2019. Analytical results (Appendix B) were generally consistent with those of past samples and will be discussed and statistically evaluated as part of the annual report for 2019.

During the second quarter of 2019, when routine surface water sampling was performed in Woman Creek downstream of the OLF (location GS59), the mean concentrations for all analytes were below the applicable surface water standards.

3.1.9 Groundwater Treatment System Monitoring

As described in Section 2.5, contaminated groundwater is intercepted and treated in the onsite groundwater treatment systems. The MSPCS (discussed in this section for consistency and convenience, even though treatment is no longer performed here), ETPTS, and SPPTS each include a groundwater intercept trench. The PLFTS treats water from the northern and southern components of the Groundwater Intercept System and water that flows from the PLF seep.

3.1.9.1 Mound Site Plume Collection System

The MSPCS monitoring locations were scheduled for routine RFLMA sampling in the second quarter of 2019. Results (Appendix B) will be evaluated in the annual report for 2019.

3.1.9.2 East Trenches Plume Treatment System

The ETPTS monitoring locations were scheduled for routine RFLMA sampling in the second quarter of 2019. Results (Appendix B) will be evaluated in the annual report for 2019.

3.1.9.3 Solar Ponds Plume Treatment System

The SPPTS monitoring locations were scheduled for routine RFLMA sampling in the second quarter of 2019. Results (Appendix B) will be evaluated in the annual report for 2019.

Nonroutine samples were collected during this quarter to support multiple objectives, including to confirm the effectiveness of the “Big Box” nitrate treatment component and to support the Surface Water Adaptive Management Plan (AMP) (DOE 2017c). Further discussion will be provided in the RFLMA and AMP annual reports for 2019.

3.1.9.4 PLF Treatment System

During collection of the April 2019 quarterly samples at the PLFTS influent (monitoring location PLFSEEPINF), the flow rate was 1.29 gallons per minute. The routine quarterly effluent samples (monitoring location PLFSYSEFF) were collected on April 2, 2019. All analyte concentrations in the effluent samples were below the RFLMA standards for the quarter.

3.1.10 Predischage Monitoring

No predischage samples were collected at Ponds A-4, B-5, or C-2 during the second quarter of 2019. All three ponds were continuously operated in a flow-through configuration.

4.0 Adverse Biological Conditions

No evidence of adverse biological conditions (e.g., unexpected mortality or morbidity) was observed during monitoring and maintenance activities in the second quarter of CY 2019.

5.0 Ecological Monitoring

During the second quarter of 2019, ecological monitoring consisted of weed mapping, nest box surveys, prairie dog surveys, wetland water-level surveys, and wetland weed surveys. Wire mesh fencing was installed around the mature Rocky Mountain juniper trees and other trees at the Site that showed evidence of elk damage. Several trees have had the bark rubbed off their trunks when the bull elk rub their antlers on the trees. Wildlife-friendly crossings were installed at several locations of the COU fence to allow wildlife to cross with less potential for injury and to reduce damage to the fence.

Commercial herbicide applications treated approximately 251 acres with herbicides to help control weeds across the COU. Legacy Management Support contractor personnel also conducted spot weed control at small infestations of noxious weeds at several locations. Preparations were underway for revegetation monitoring and for Preble's meadow jumping mouse and wetland mitigation monitoring surveys that are scheduled to take place during the third quarter of 2019.

6.0 References

DOE (U.S. Department of Energy), 2009. *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan*, LMS/RFS/S05516, Office of Legacy Management, September.

DOE (U.S. Department of Energy), 2014. *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan*, U.S. Department of Energy Rocky Flats, Colorado, Site, LMS/RFS/S03965, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2017a. *Fourth Five-Year Review Report for the Rocky Flats Site, Jefferson County, Colorado*, LMS/RFS/S15528, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2017b. *Rocky Flats Site, Colorado, Quarterly Report of Site Surveillance and Maintenance Activities, Second Quarter Calendar Year 2017*, LMS/RFS/S16811, Office of Legacy Management, October.

DOE (U.S. Department of Energy), 2017c. *Surface Water Configuration Adaptive Management Plan for the Rocky Flats, Colorado, Site*, LMS/RFS/S07698, Office of Legacy Management, May.

DOE (U.S. Department of Energy), 2018. *Rocky Flats Site, Colorado, Site Operations Guide*, LMS/RFS/S03037, Office of Legacy Management, July.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2006. *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit*, EPA/541/R-06/197, September 29.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2007. *Rocky Flats Legacy Management Agreement*, executed on March 14, Attachment 2 updated December 2018, available at https://www.lm.doe.gov/Rocky_Flats/RFLMA.pdf.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2011. *Corrective Action Decision/Record of Decision Amendment for Rocky Flats Plant (USDOE) Central Operable Unit*, September 21.

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Appendix A

Landfill Inspection Forms and Survey Data, Second Quarter CY 2019

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Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 4/15/19 Time: 1410
 Precipitation: MET* inches NREL* inches Weather: Partly Cloudy, 53°F Report Type: ☒ Monthly ☐ Weather-related
 Reviewed by: Jeremy Wehner Review date: 4/18/2019

*Since last report

Subsidence/Consolidation					
Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	No	No	No	No	
Berm 1 Basin - East	↓	↓	↓	↓	
Berm 2 Basin					
Berm 3 Basin					
Berm 4 Basin					
Berm 5 Basin					
Berm 6 Basin					
Berm 7 Basin					
Buttress fill	↓	↓	↓	↓	
Settlement monuments—inspect integrity.		Intact:	Yes		
Maintenance required, comments, and photo log: No issues with subsidence/consolidation.					

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability

Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover– West	No	Yes	No	See Seep Evaluation
Cover– East	↓	Yes	↓	See Seep Evaluation
Buttress fill side slope	↓	No	↓	
West perimeter channel side slopes	↓	↓	↓	
East perimeter channel side slopes	↓	↓	↓	

Maintenance required, comments, and photo log:

No issues with slope stability.

Soil Cover and Buttress

Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover– West	No	No	No	
Cover– East	↓	↓	↓	
Buttress fill	↓	↓	↓	
Buttress fill side slope	↓	↓	↓	

Maintenance required, comments, and photo log:

No issues with soil cover and buttress.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation

Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	No			
Seep 2/3*	Yes	Yes GPM ^{NK} 4/19	1-2 GPM	
Seep 4*	Yes	No		
Seep 5*	No	No		
Seep 6*	Yes	No		
Seep 7*	Yes	No		
Seep 8a	No	No		
Seep 8b	Yes	No		
Seep 8c	Yes	No		
Seep 9	Yes	Yes	< 1 GPM	
Seep 10	No	No		
Seep 10a	NA	NA	NA	Not an official seep yet.
Seep 8	Yes	Yes	< 1 GPM	

Maintenance required, comments, and photo log:

No issues with seeps

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures

Channels

Structure	Visible Excessive Erosion, Gullyng, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	No	No	No	No	No	
Diversion Berm 2	↓	↓	↓	↓	↓	
Diversion Berm 3	↓	↓	↓	↓	↓	
Diversion Berm 4	↓	↓	↓	↓	↓	
Diversion Berm 5	Yes *	↓	↓	↓	↓	See comments
Diversion Berm 6	No	↓	↓	↓	↓	
Diversion Berm 7	↓	↓	↓	↓	↓	
West perimeter channel	↓	↓	↓	↓	↓	
East perimeter channel	↓	↓	Yes	↓	Yes	

Drains/Outfalls

Structure	Visible Excessive Erosion, or Gullyng	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments
East Subsurface Drain – Solid pipe	No	No	No	
East Subsurface Drain – Perforated pipe	↓	↓	↓	
French Drain (SID)	↓	↓	↓	

Maintenance required, comments, and photo log:

The breach and blockage of the lower East Perimeter Channel, by the toe of the 2017 slump area, is an ongoing issue and will be addressed during the OLF Stabilization project.

*An approx. 2" by 3" hole was observed in the center of the berm 5 channel. This is a recurring issue. The hole revealed a larger (1'x1') subsurface cavity when a flashlight was used to view the inside. No signs of animal inhabitation.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

“Run-On” Control

Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	No	
	↓	

Maintenance required and photo log:

No issues with run-on.

Violations of Institutional Controls

Item		Comments
Evidence of unauthorized ¹ excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized ¹ construction of roads, trails, or buildings on cover?	↓	
Evidence of unauthorized ¹ drilling of wells or use of groundwater?		
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	↓	

Other observations, maintenance required, comments, and photo log:

No violations of Institutional Controls.

If “Yes” is marked on any item in the Institutional Controls section, immediately notify your supervisor.

¹ Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items

Deficiency	Action	Date Completed	Comments
Undermining of the central berm & channel	Filled in with surrounding soil using handtools.	4/15/2019	

Signatures

Inspector signature:

Matthew Kuhl

Date: 4/15/2019

Reviewer signature:

Jy Wt

Date: 4/18/2019

Attachment 1: April 2019 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on April 18, 2019. The weather was partly cloudy and 53 °F during the inspection. The Rocky Flats Site meteorological tower recorded 0.78 inch of precipitation between this inspection and the prior inspection, which was performed March 18, 2019. For comparison, the National Renewable Energy Laboratory (NREL) M2 tower, near the northwest corner of the site, recorded 1.40 inches during the same period. The NREL M2 tower has a heated rain gauge, which is able to accurately measure precipitation in the form of snow.

Monthly inspection forms are completed to document current conditions at the OLF. Previously repaired items are not check-marked as evidence of deficiency unless further action is warranted.

Figure 1 provides the OLF key features and the approximate locations and direction of report figure photographs (**Figures 2–7**).

The toe of the regraded 2017 slump area continues to block the lower segment of the East Perimeter Channel (EPC) leading to the EPC outfall (**Figure 2**), which forces surface water flow in the EPC over the EPC side slope and downgradient of the EPC to a well-vegetated area on the south-facing hill slope. There was no surface water flowing in the EPC at the time of inspection. A decision was made to leave slumped material in the lower part of the EPC because removing it would increase the risk of additional slumping. The EPC outfall will be redesigned during the OLF Slope Stabilization Project.

There were no observable deficiencies in western berms 1–3 (**Figure 3**) or eastern berms 4–7 (**Figures 4–6**). Holes ranging in size from 1 to 2 inches continue to appear in the west–central section of the berm 5 channel every few months. A new 2-inch by 3-inch hole was observed here during this inspection (**Figure 7**). There was no evidence of animal activity in the immediate area. Underneath the hole was a cavity of approximately 1 cubic foot, which was photographed, mapped with GPS, and filled in with native soil using hand tools.

Seep 2/3 is flowing at 1–2 gallons per minute (gpm). Seeps 8 and 9 are flowing at less than 1 gpm. The seep 7 location had standing water and the seep locations 4, 6, 8B, and 8C were damp.

The East Subsurface Drain (ESSD) outfall was dry during this inspection. The combined seep 2/3 and seep 10 siphon drain line outfall had standing water. Neither erosion nor sedimentation was observed in these areas.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for the Rocky Flats Property Central Operable Unit* (DOE 2007)¹ and under sitewide vegetation and revegetation plans, as appropriate.

Observations of Related Systems

The Temporary Groundwater Intercept (GWI), which feeds into the ESSD, was shut down for the winter season on October 11, 2018, and had not been restarted at the time of inspection. The temporary seep 10 siphon system, which feeds into the seep 2/3 drainage system, was restarted on March 27, 2019. It will continue to be operated through the spring, summer, and fall months that have above-freezing temperatures or until the new trench drain is installed as part of the OLF Stabilization Project.

Summary of April Inspection Findings

The toe of the regraded 2017 slump area continues to fully block the lower segment of the EPC, redirecting surface water to the south-facing hill slope in a well-vegetated area. There was no surface water flowing in the EPC at the time of inspection. There were no new berm deficiencies. A hole in the west-central section of the berm 5 channel revealed a subsurface cavity approximately 1 cubic foot in size, which was filled in during the inspection. Seep 2/3 was flowing at 1–2 gpm. Seeps 8 and 9 were flowing at less than 1 gpm. The seep 7 location had standing water and seep locations 4, 6, 8b, and 8c were damp. The ESSD outfall was dry during this inspection. The combined seep 2/3 and seep 10 siphon drain line outfall had standing water. Neither erosion nor sedimentation was observed in these areas. The Temporary GWI was shut down for the winter and had not been restarted at the time of inspection. The temporary seep 10 siphon system was restarted on March 27, 2019.

¹ DOE (U.S. Department of Energy), 2007. *Erosion Control Plan for the Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, Office of Legacy Management, July.

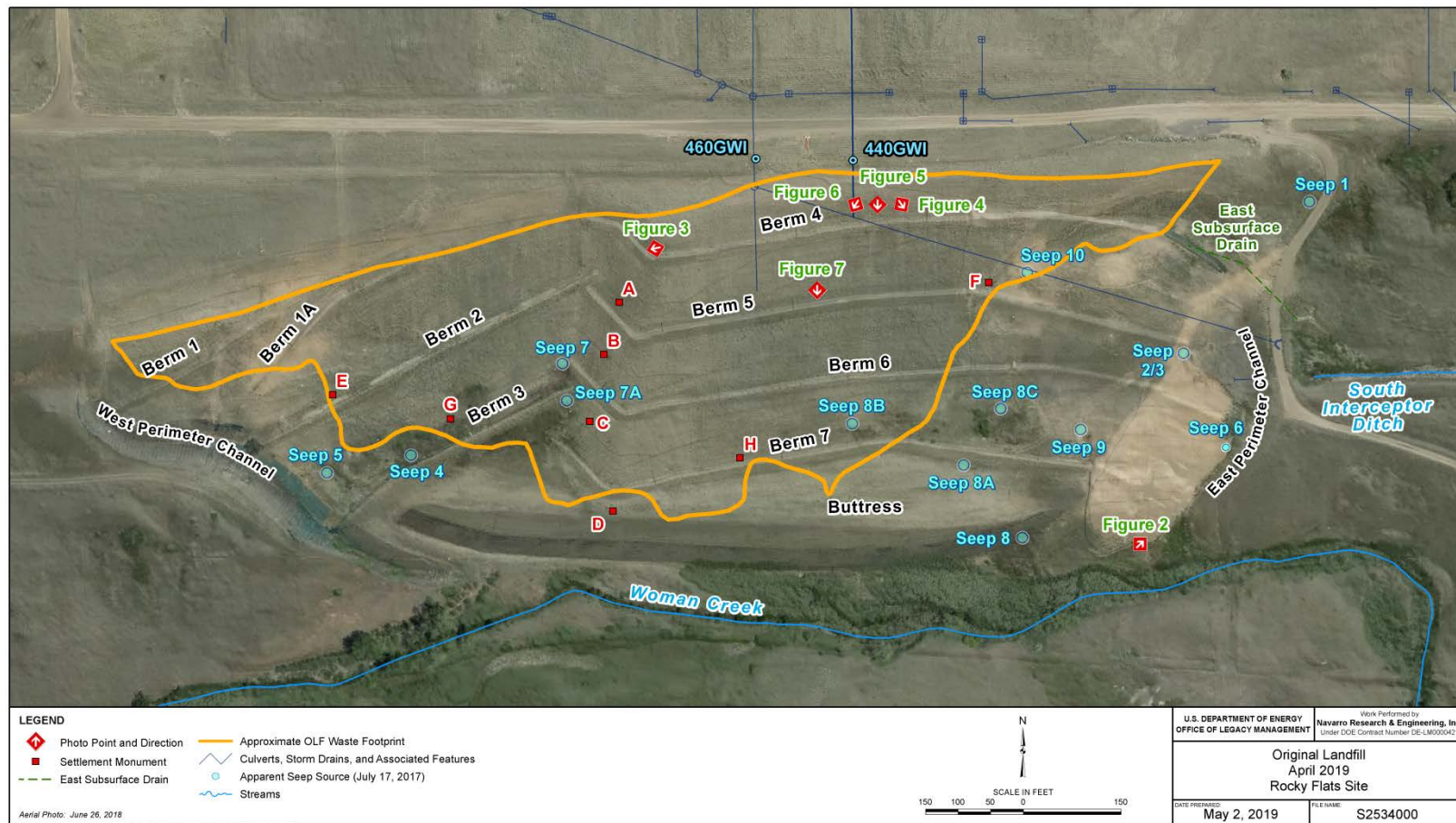


Figure 1: OLF key features and the locations and direction of report figure photographs, Rocky Flats Site, Colorado



Figure 2: Looking northeast to the toe of the regraded 2017 slump area blocking the lower segment of the EPC



Figure 3: Looking west to berms 1–3, which were in good condition



Figure 4: Looking southeast at berms 4–7, which were in good condition



Figure 5: Looking south at berms 4–7, which were in good condition



Figure 6: Looking southwest at berms 4–7, which were in good condition



Figure 7: A 2-inch by 3-inch hole in the west-central section of the berm 5 channel

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 5/17/2019 Time: 1000
 Precipitation: MET* 1.73 inches NREL* 2.43 inches Weather: Overcast, 60°F Report Type: ☒ Monthly ☐ Weather-related
 Reviewed by: Jeremy Wehner Review date: 5/21/2019
 *Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	No	No	No	
Berm 1 Basin - East	↓	↓	↓	↓	
Berm 2 Basin	↓	↓	↓	↓	
Berm 3 Basin	↓	↓	↓	↓	
Berm 4 Basin	↓	↓	↓	↓	
Berm 5 Basin	↓	↓	↓	↓	
Berm 6 Basin	↓	↓	↓	↓	
Berm 7 Basin	↓	↓	↓	↓	
Buttress fill	↓	↓	↓	↓	

Settlement monuments—inspect integrity. Intact: Yes

Maintenance required, comments, and photo log:

5 Holes found at the east end of the scarp above east berm 4. 1-2 inch diameter. Soil appears to have washed away from racks along scarp line. No animal burrow evidence. Scarp is several years old. Holes are 3-4 inches deep. Several severed drain pipes from mice/elic. Both Temporary GWT system and seep to siphon running.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability

Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover– West	No	Yes	No	See Seep Evaluation
Cover– East	↓	Yes	↓	See Seep Evaluation
Buttress fill side slope	↓	No	↓	
West perimeter channel side slopes	↓	No	↓	
East perimeter channel side slopes	↓	Yes	↓	seep 6 is flowing again

Maintenance required, comments, and photo log:

No issues with slope stability.

Soil Cover and Buttress

Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover– West	No	No	No	
Cover– East	↓	↓	↓	
Buttress fill	↓	↓	↓	
Buttress fill side slope	↓	↓	↓	

Maintenance required, comments, and photo log:

No issues with soil cover and buttress

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation

Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	Yes	No		Damp
Seep 2/3*	Yes	Yes ^{NK}	< 1 GPM	
Seep 4*	Yes	No		Saturated
Seep 5*	Yes	No		Damp
Seep 6*	Yes	Yes	< 1 GPM	
Seep 7*	Yes	No		Standing water
Seep 8a	Yes	No		Damp
Seep 8b	Yes	No		Damp
Seep 8c	Yes	No		Damp
Seep 9	Yes	No		Standing water
Seep 10	No	No		Contains manually operated siphon
Seep 10a	NA	NA	NA	Not an official seep yet.
Seep 8	Yes	Yes	Approx 1 GPM	

Maintenance required, comments, and photo log:

No issues with seeps. Most seeps are damp or have standing water due to previous night's rainfall.

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures

Channels

Structure	Visible Excessive Erosion, Gullyng, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	No	No	No	No	No	
Diversion Berm 2	↓	↓	↓	↓	↓	
Diversion Berm 3	↓	↓	↓	↓	↓	
Diversion Berm 4	↓	↓	↓	↓	↓	
Diversion Berm 5	↓	↓	↓	↓	↓	
Diversion Berm 6	↓	↓	↓	↓	↓	
Diversion Berm 7	↓	↓	↓	↓	↓	
West perimeter channel	↓	↓	↓	↓	↓	
East perimeter channel	↓	↓	Yes	↓	Yes	See comments

Drains/Outfalls

Structure	Visible Excessive Erosion, or Gullyng	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments
East Subsurface Drain – Solid pipe	No	No	Yes	Water fed from Temporary GWI system
East Subsurface Drain – Perforated pipe	↓	↓	No	
French Drain (SID)	↓	↓	↓	

Maintenance required, comments, and photo log:

No issues with channels or drains/outfalls
 The breach and blockage of the lower EPC is an ongoing issue and will be addressed during the OLF Stabilization Project.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

"Run-On" Control		
Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	No	
	↓	
Maintenance required and photo log:		
<p>No issues with run-on.</p>		
Violations of Institutional Controls		
Item		Comments
Evidence of unauthorized ¹ excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized ¹ construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized ¹ drilling of wells or use of groundwater?	No	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No	
Other observations, maintenance required, comments, and photo log:		
<p>No violations of institutional controls.</p>		
<p>If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.</p>		

¹ Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	Action	Date Completed	Comments
Five 1-2 inch holes along east end of scarp(sld) above east berm 4.	Photographed, mapped with GPS, and filled in with handtools.	5/17/2019	
severed berm drains	Reattach using scrap drain sections and gasket seals.	5/31/19 NK 5/31/19	

Signatures

Inspector signature:

Matthew Miller

Date: 5/17/2019

Reviewer signature:

P. W.

Date: 5/17/2019

Attachment 1: May 2019 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on May 17, 2019. The weather was overcast and 60 °F during the inspection. The Rocky Flats Site meteorological tower recorded 1.73 inches of precipitation between this inspection and the prior inspection, which was performed April 15, 2019. For comparison, the National Renewable Energy Laboratory (NREL) M2 tower, near the northwest corner of the site, recorded 2.43 inches during the same period. The NREL M2 tower has a heated rain gauge, which can accurately measure all forms of precipitation including snow; the site gauge is not heated.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on an inspection form which have since been repaired are not marked again on the form unless further action is required.

Figure 1 indicates key features of the OLF and the approximate locations and direction of report photographs (**Figures 2–7**).

The toe of the regraded 2017 slump area continues to block the lower segment of the East Perimeter Channel (EPC) leading to the EPC outfall (**Figure 2**), which forces surface water flow in the EPC over the EPC side slope and downgradient of the EPC to a well-vegetated area on the south-facing hill slope. There was surface water flow in the EPC from seep 6 at the time of inspection. A decision was made in 2018 to leave slumped material in the lower part of the EPC because removing it would increase the risk of additional slumping. The EPC outfall will be redesigned during the OLF Slope Stabilization Project.

There were no observable deficiencies in western berms 1–3 (**Figure 3**) or eastern berms 4–7 (**Figures 4–6**). There were five holes, with diameters ranging from 1 to 2 inches, along the east end of the previously reported scarp above east berm 4 (**Figure 7**). There was no evidence of animal activity in the immediate area. The holes were photographed, mapped with GPS, and filled in with native soil using hand tools. The plastic corrugated piping that drains stormwater from the east end of berms 6 and 7 is severed from elk movement and will be reattached using hose clamps.

Most seep locations had damp soil due to recent rainfall. Seep 8 was flowing at approximately 1 gallon per minute (gpm). Seeps 2/3 and 6 were flowing at less than 1 gpm, and there was standing water at seeps 7 and 9.

The East Subsurface Drain (ESSD) outfall had water flowing at 1–2 gpm from the solid pipe, which correlates with the same-day startup of the Temporary Groundwater Intercept (GWI) system. The combined seep 2/3 and seep 10 siphon drain line outfall had a visible flow rate of 5–6 gpm. Neither erosion nor sedimentation was observed in these areas.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for the Rocky Flats Property Central Operable Unit* (DOE 2007)¹ and under sitewide vegetation and revegetation plans, as appropriate.

Observations of Related Systems

The Temporary Groundwater Intercept (GWI), which feeds into the ESSD, was restarted May 17, 2019, shortly before this inspection. The temporary seep 10 siphon system, which feeds into the seep 2/3 drainage system, was restarted on March 27, 2019. They will continue to be operated through the spring, summer, and fall months that have above-freezing temperatures or until the new trench drain is installed as part of the OLF Stabilization Project.

Summary of May Inspection Findings

The toe of the regraded 2017 slump area continues to fully block the lower segment of the EPC, redirecting surface water to the south-facing hill slope in a well-vegetated area. There was surface water flowing in the EPC from seep 6. There were no new berm deficiencies. There were five holes along the east end of the scarp above east berm 4, which were filled in during the inspection. The plastic corrugated piping that drains stormwater from the east end of berms 6 and 7 is severed from elk movement and will be reattached using hose clamps. Most seep locations had damp soil due to recent rainfall. Seep 8 was flowing at approximately 1 gpm. Seeps 2/3 and 6 were flowing at less than 1 gpm, and there was standing water at seeps 7 and 9. Water was flowing at the ESSD outfall, which was from the operation of the Temporary GWI system, restarted May 17, 2019. The temporary seep 10 siphon system was restarted on March 27, 2019. The combined seep 2/3 and seep 10 siphon drain line outfall had a visible flow rate of 5–6 gpm. Neither erosion nor sedimentation was observed in these areas.

¹ DOE (U.S. Department of Energy), 2007. *Erosion Control Plan for the Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, Office of Legacy Management, July.

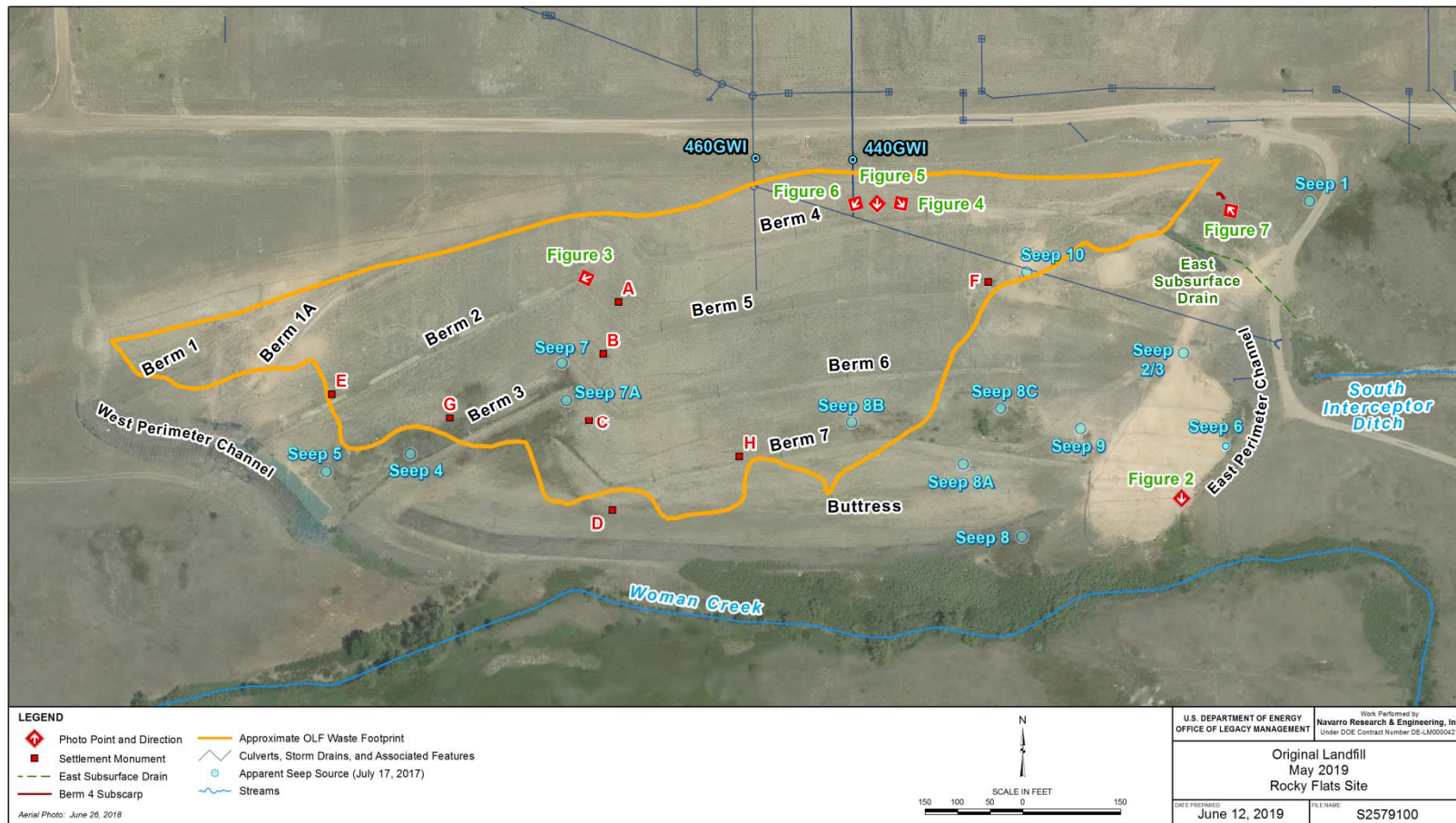


Figure 1. OLF Key Features and Locations and Direction of Report Figure Photographs, Rocky Flats Site, Colorado



Figure 2. Looking South to the Toe of the Regraded 2017 Slump Area Blocking the Lower Segment of the EPC and the Well-Vegetated Area Where Surface Water is Currently Directed



Figure 3. Looking West from the East End of Berm 2 to Berms 1–3, Which Were in Good Condition



Figure 4. Looking Southeast at Berms 4–7, Which Were in Good Condition



Figure 5. Looking South at Berms 4–7, Which Were in Good Condition



Figure 6. Looking Southwest at Berms 4–7, Which Were in Good Condition



Figure 7. One of Five 1–2 Inch Holes Found Along the East End of the Previously Reported Scarp Above East Berm 4

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 6/19/19 Time: 1310
 Precipitation: MET* 3.05 inches NREL* 2.89 inches Weather: Sunny 77°F Report Type: ☒ Monthly ☐ Weather-related
 Reviewed by: Jeremy Wehner Review date: 6/20/2019

*Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	No	No	No	NA	
Berm 1 Basin - East	↓	↓	↓	↓	
Berm 2 Basin	↓	↓	↓	↓	
Berm 3 Basin	↓	↓	↓	↓	
Berm 4 Basin	↓	↓	↓	↓	
Berm 5 Basin	↓	↓	↓	↓	
Berm 6 Basin	↓	↓	↓	↓	
Berm 7 Basin	↓	↓	↓	↓	
Buttress fill	↓	↓	↓	↓	

Settlement monuments—inspect integrity. Intact: Yes

Maintenance required, comments, and photo log:

No Subsidence/Consolidation issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability

Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover– West	No	Yes	No	See Seep Evaluation
Cover– East	↓	Yes	↓	See Seep Evaluation
Buttress fill side slope	↓	No	↓	
West perimeter channel side slopes	↓	No	↓	
East perimeter channel side slopes	↓	Yes	↓	seep 6

Maintenance required, comments, and photo log:

No slope stability deficiency.

Soil Cover and Buttress

Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover– West	No	No	No	
Cover– East	Yes	Yes	↓	
Buttress fill	No	No	↓	
Buttress fill side slope	No	No	↓	

Maintenance required, comments, and photo log:

There are many (100+) 1/4" to 1/2" rills/gullies along the east cover and east supporting hillside. Observed 5/23/19. Largest rills fixed with handtools on 5/31/19. Several wattles ~~were~~ ^{are} have 50% or more sediment build up from the erosion above. Mainly on east supporting hillside where vegetation is limited. Handtools were used to remove 20-30% of sediment. ~~with~~ Wattles were also fluffed up to original height. Observed 5/23/19. Fix performed 5/31/19

NX
6/19/19

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation				
Seep	Visible Saturation	Visible Flow	Approximate Flow	Description
Seep 1*	Yes	Yes	< 1 GPM	
Seep 2/3*	↓	Yes	12-13 GPM	Includes Seep 10 siphon flow (≈ 12 GPM)
Seep 4*		No		
Seep 5*		No		
Seep 6*		Yes	< 1 GPM	
Seep 7*		Yes	≈ 1 GPM	
Seep 8a	No	No		
Seep 8b	Yes	No		
Seep 8c	↓	No		
Seep 9		No		
Seep 10	No	Yes	≈ 12 GPM	Siphon operational Not an official seep yet.
Seep 10a	NA	NA	NA	
Seep 8	Yes	Yes	2-3 GPM	

Maintenance required, comments, and photo log:

A new wet area was discovered east of the ESSD S1 riser on 5/31/19. It measures approx 13 feet wide and 70 feet long. The area began drying during this inspection and was almost unidentifiable at the end of the inspection.

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures

Channels

Structure	Visible Excessive Erosion, Gullyng, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	No	No	No	No	No	
Diversion Berm 2	↓	↓	↓	↓	↓	
Diversion Berm 3	↓	↓	↓	↓	↓	
Diversion Berm 4	↓	↓	↓	↓	↓	
Diversion Berm 5	Yes	↓	↓	↓	Yes	See comments
Diversion Berm 6	No	↓	↓	↓	No	
Diversion Berm 7	↓	↓	↓	↓	↓	
West perimeter channel	↓	↓	↓	↓	↓	
East perimeter channel	↓	↓	Yes	↓	Yes	See comments

Drains/Outfalls

Structure	Visible Excessive Erosion, or Gullyng	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments
East Subsurface Drain – Solid pipe	No	No	Yes	Flow from Temporary GWI system
East Subsurface Drain – Perforated pipe	↓	↓	No	
French Drain (SID)	↓	↓	No	

Maintenance required, comments, and photo log:

An indent in berm 5 from old movement, just east of seep 10, ^{NK 6/19/19} ~~suffered~~ experienced excess erosion from late May/early June storms.

Berm 5 also has 1/2" to 1" of sediment within its ^{eastern} channel from upgradient erosion. No neg. effect.

The breach and blockage of the lower EPC is an ongoing issue and will be addressed during the OLF Stabilization Project.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

"Run-On" Control		
Area	Adversely Affecting OLF	Comments
Run-on to the OLF (any direction)	No	
	↓	
Maintenance required and photo log:		
<p>No issues with run-on controls.</p>		
Violations of Institutional Controls		
Item		Comments
Evidence of unauthorized ¹ excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized ¹ construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized ¹ drilling of wells or use of groundwater?	No	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No	
Other observations, maintenance required, comments, and photo log:		
<p>No violations of institutional controls.</p>		
<p>If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.</p>		

¹ Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	Action	Date Completed	Comments
100+ 1/4" - 1/2" rills on east cover and east supporting hillside	Biggest rills leveled with handtools,	5/31/2019	First discovered on 5/23/2019.
Wattles on east side/east supporting hillside 50% + blocked with sediment.	20-30% removed/spread out with handtools. wattles fluffed up to original heights	5/31/2019	First discovered on 5/31/2019
Excessive erosion through pre-existing indent in berms	Level gullies within indent with handtools.	TBD	Area below is well-vegetated

Signatures

Inspector signature:

Metro Kim

Date: 6/19/2019

Reviewer signature:

J. P. W. L.

Date: 6/20/2019

Attachment 1: June 2019 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on June 19, 2019. The weather was sunny and 77 °F during the inspection. The Rocky Flats Site meteorological tower recorded 3.05 inches of precipitation between this inspection and the prior inspection, which was performed May 17, 2019.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on an inspection form which have since been repaired are not marked again on the form unless further action is required.

Figure 1 indicates key features of the OLF and the approximate locations and directions of report photographs (**Figures 2–6**).

The toe of the regraded 2017 slump area continues to block the lower segment of the East Perimeter Channel (EPC) leading to the EPC outfall (**Figure 2**), which forces surface water flow in the EPC over the EPC side slope and downgradient of the EPC to a well-vegetated area on the south-facing hill slope. There was surface water flow in the EPC from seep 6 at the time of inspection. A decision was made in 2018 to leave slumped material in the lower part of the EPC because removing it would increase the risk of additional slumping. The EPC outfall will be redesigned during the OLF Slope Stabilization Project.

There was visible erosion on the east cover and east supporting hillside (**Figure 3**) from late May and early June rainfall. These areas have 0.25 to 0.50 inch deep rills on both vegetated and nonvegetated surfaces, with 2–3 inches of sediment buildup along downgradient wattles. An indent in east-central berm 5, from the installation of a temporary berm drain, has two 6-inch-deep and 4-inch-wide gullies along the downgradient side (**Figure 4**). The erosion has not altered the berm's height and will continue to be monitored for further movement. The larger rills were leveled with hand tools, excess sediment was raked from the wattles, and EPC Georidges were cleaned of sediment and other debris.

Most seep locations had damp soil. Seeps 2/3 and 10 had a combined flow of 12–13 gallons per minute (gpm), and seep 8 had a flow of 2–3 gpm. Seep 7 had an approximate flow of 1 gpm (**Figure 5**). Seeps 6 and 1 were flowing at less than 1 gpm, and seep 9 had standing water. An area of saturated soil, beginning approximately 100 feet northeast of seep 2/3 and approximately 13 feet × 70 feet (**Figure 6**), was observed in early June. The area currently has standing water and will continue to be monitored for changes.

At the East Subsurface Drain (ESSD) outfall, water was flowing at 1–2 gpm from the solid pipe, which transfers water from the Temporary Groundwater Intercept (GWI) system. At the combined seep 2/3 and 10 outfall, water was flowing at 12–13 gpm from the operation of the seep 2/3 collector drain and the temporary seep 10 siphon system; the siphon has been running

continuously since May 10, 2019. No erosion or sedimentation was observed in these areas.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for the Rocky Flats Property Central Operable Unit* (DOE 2007)¹ and under sitewide vegetation and revegetation plans, as appropriate.

Observations of Related Systems

The Temporary GWI system, which feeds into the ESSD, was restarted for the season on May 17, 2019, and is running well. The temporary seep 10 siphon system, which feeds into the seep 2/3 drainage line, was restarted for the season on March 27, 2019, and has been running continuously for 40 days. Both systems will continue to be operated through the spring, summer, and fall months that have above-freezing temperatures or until the new trench drain is installed as part of the OLF Slope Stabilization Project.

Summary of June Inspection Findings

The toe of the regraded 2017 slump area continues to fully block the lower segment of the EPC, redirecting surface water to the south-facing hill slope in a well-vegetated area. There was surface water flowing in the EPC from seep 6. Rills and sedimentation found along the east cover and east supporting hillside were raked out or filled with hand tools. Two 6-inch-deep and 4-inch-wide gullies were observed on the downgradient side of east-central berm 5. Most seep locations had damp soil. Seeps 1, 2/3, 6, 7, 8, and 10 were flowing. An area of saturated soil, which begins approximately 100 feet northeast of seep 2/3, was found in early June. The area is approximately 13 feet × 70 feet, has some standing water, and will continue to be monitored for changes. Water from the operation of the Temporary GWI system was flowing at the ESSD outfall, which was restarted for the season on May 17, 2019. Water was flowing at 12–13 gpm at the combined seep 2/3 and 10 outfall. No erosion or sedimentation was observed in these areas. The temporary seep 10 siphon system was restarted for the season on March 27, 2019, and has been running for 40 consecutive days.

¹ DOE (U.S. Department of Energy), 2007. *Erosion Control Plan for the Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, Office of Legacy Management, July.

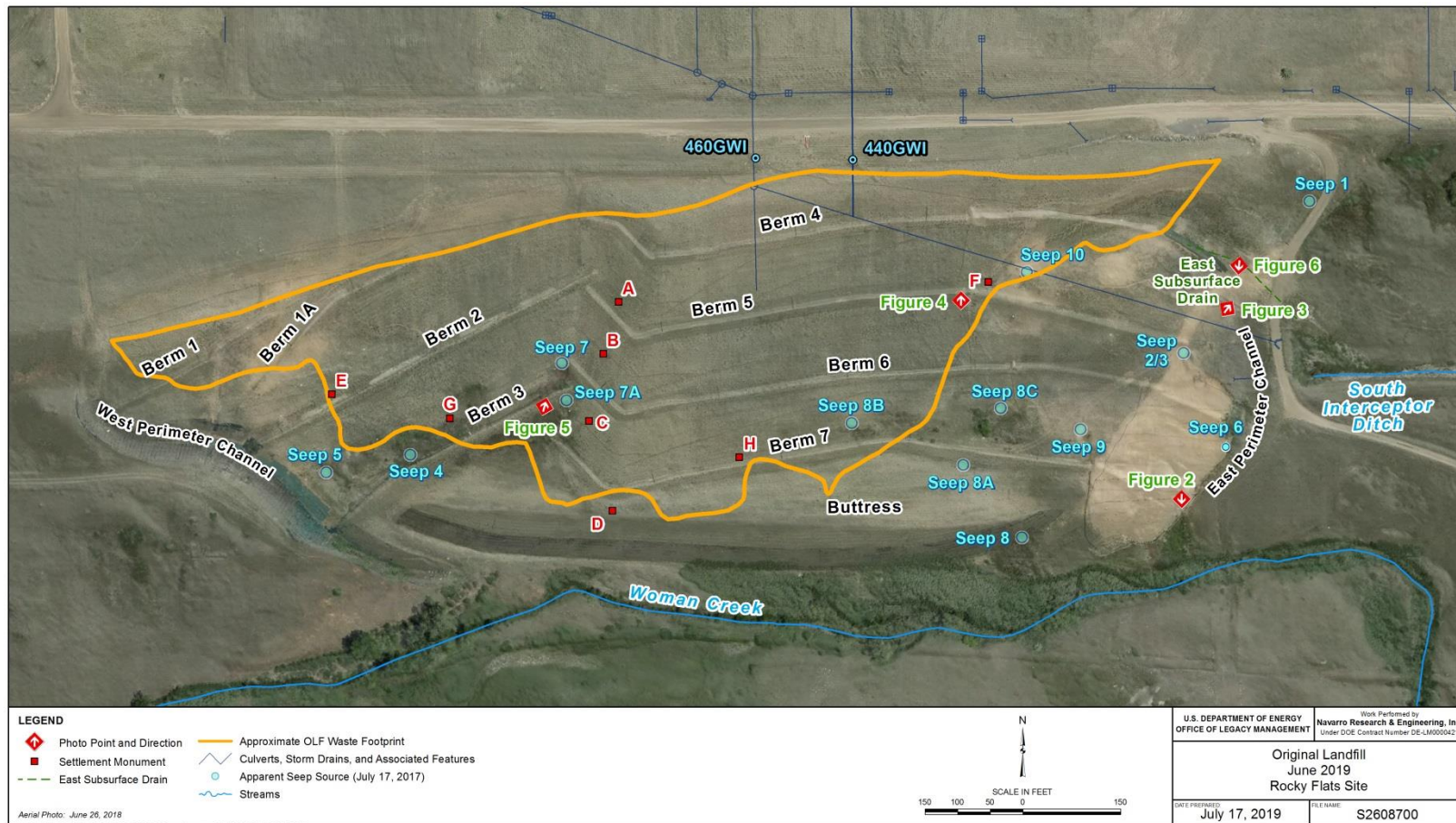


Figure 1. OLF Key Features and Locations and Direction of Report Figure Photographs, Rocky Flats Site, Colorado



Figure 2. Looking South at the Toe of the Regraded 2017 Slump Area Blocking the Lower Segment of the EPC, and the Well-Vegetated Area Beyond Where Surface Water is Currently Directed



Figure 3. Looking Northeast at the Rills and Sediment Buildup on East Supporting Hillside



Figure 4. Looking Down at Erosion on East-Central Berm 5



Figure 5. Looking Northeast at Seep 7, Which Was Flowing at Approximately 1 gpm



Figure 6. Looking Southwest at a Strip of Saturated Soil that Begins Approximately 100 feet Northeast of Seep 2/3 and Extends Approximately 70 feet to the South

Rocky Flats Site
Original Landfill - Settlement Plates Monitoring
Quarterly Survey June 10, 2019 Comparison to Previous March 6, 2019

06-10-19 OBSERVATIONS					DELTA	DELTA	DELTA	03-06-19 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
66727	747913.44	2082234.07	6005.01	N RIM PIPE AA	0.02	0.00	-0.01	66552	747913.46	2082234.07	6004.99	N RIM PIPE AA
66728	747644.88	2081851.22	5975.35	N RIM PIPE BB	0.02	0.00	0.02	66553	747644.91	2081851.22	5975.37	N RIM PIPE BB
66731	747883.17	2081665.99	6019.55	N RIM PIPE CC	0.01	-0.02	-0.03	66556	747883.18	2081665.97	6019.52	N RIM PIPE CC
66732	747803.30	2081642.34	6006.08	N RIM PIPE DD	0.00	-0.01	-0.02	66557	747803.30	2081642.34	6006.06	N RIM PIPE DD
66733	747700.68	2081620.51	5988.53	N RIM PIPE EE	-0.02	0.01	-0.01	66558	747700.66	2081620.52	5988.52	N RIM PIPE EE
66735	747703.33	2081407.62	5997.13	N RIM PIPE FF	-0.02	0.01	0.00	66560	747703.31	2081407.63	5997.13	N RIM PIPE FF
66734	747563.07	2081656.30	5974.11	N RIM PIPE GG	-0.01	0.01	0.02	66559	747563.06	2081656.30	5974.13	N RIM PIPE GG
66736	747738.33	2081227.54	6012.59	N RIM PIPE HH	-0.01	-0.02	-0.02	66561	747738.32	2081227.52	6012.57	N RIM PIPE HH

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 06-10-19 OBSERVATION AND THE 03-06-19 OBSERVATION
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

06-10-19 OBSERVATIONS					DELTA	DELTA	DELTA	03-06-19 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
66727	1747922.89	3082079.42	6008.55	N RIM PIPE AA	0.02	0.00	-0.01	66552	1747922.91	3082079.42	6008.53	N RIM PIPE AA
66728	1747654.33	3081696.58	5978.89	N RIM PIPE BB	0.02	0.00	0.02	66553	1747654.36	3081696.58	5978.91	N RIM PIPE BB
66731	1747892.63	3081511.35	6023.09	N RIM PIPE CC	0.01	-0.02	-0.03	66556	1747892.63	3081511.32	6023.06	N RIM PIPE CC
66732	1747812.75	3081487.70	6009.62	N RIM PIPE DD	0.00	-0.01	-0.02	66557	1747812.75	3081487.69	6009.60	N RIM PIPE DD
66733	1747710.13	3081465.86	5992.07	N RIM PIPE EE	-0.02	0.01	-0.01	66558	1747710.11	3081465.87	5992.06	N RIM PIPE EE
66735	1747712.78	3081252.97	6000.67	N RIM PIPE FF	-0.02	0.01	0.00	66560	1747712.76	3081252.98	6000.67	N RIM PIPE FF
66734	1747572.52	3081501.65	5977.65	N RIM PIPE GG	-0.01	0.01	0.02	66559	1747572.51	3081501.65	5977.67	N RIM PIPE GG
66736	1747747.78	3081072.89	6016.13	N RIM PIPE HH	-0.01	-0.02	-0.02	66561	1747747.77	3081072.87	6016.11	N RIM PIPE HH

DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 06-10-19 OBSERVATION AND THE 03-06-19 OBSERVATION
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

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Appendix B

Analytical Results for Water Samples, Second Quarter CY 2019

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Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
00193	WL	5/2/2019	RFS01-10.1905013-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	7440-61-1	Uranium	Y	80	ug/L	U	F	0.05		FQ	G	STD
00193	WL	5/2/2019	RFS01-10.1905013-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	7440-61-1	Uranium	Y	50	ug/L	U	F	0.05		FQ	G	STD
00797	WL	5/13/2019	RFS01-10.1905015-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
00997	WL	5/14/2019	RFS01-10.1905015-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.06	mg/L	B	F	0.019		FQU	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	7440-61-1	Uranium	Y	24	ug/L	U	F	0.05		FQ	G	STD
00997	WL	5/14/2019	RFS01-10.1905015-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.078	mg/L	B	F	0.019		FQU	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	7440-61-1	Uranium	Y	22	ug/L	U	F	0.05		FQ	G	STD
4087	WL	4/18/2019	RFS01-10.1904011-020	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	56-23-5	Carbon tetrachloride	N	0.36	ug/L	J	F	0.19		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	127-18-4	Tetrachloroethene	N	0.39	ug/L	J	F	0.2		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
04091	WL	5/3/2019	RFS01-10.1905013-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
10304	WL	5/2/2019	RFS01-10.1905013-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	D	0.21		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	D	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	D	0.13		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	D	0.18		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	D	0.13		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	71-43-2	Benzene	N	0.16	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	75-25-2	Bromoform	N	0.46	ug/L	U	D	0.46		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	D	0.19		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	108-90-7	Chlorobenzene	N	0.17	ug/L	U	D	0.17		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	67-66-3	Chloroform	N	0.16	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	74-87-3	Chloromethane	N	0.3	ug/L	U	D	0.3		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	156-59-2	cis-1,2-Dichloroethene	N	1.1	ug/L	U	F	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	156-59-2	cis-1,2-Dichloroethene	N	0.91	ug/L	J	D	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	100-41-4	Ethylbenzene	N	0.16	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	D	0.36		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	91-20-3	Naphthalene	N	0.22	ug/L	U	D	0.22		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		F	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	D	0.2		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	108-88-3	Toluene	N	0.17	ug/L	U	D	0.17		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	1330-20-7	Total Xylenes	N	0.19	ug/L	U	D	0.19		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	79-01-6	Trichloroethene	N	3.7	ug/L	U	F	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	79-01-6	Trichloroethene	N	3.2	ug/L	U	D	0.16		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	7440-61-1	Uranium	Y	16	ug/L	U	F	0.05			G	STD
10304	WL	5/2/2019	RFS01-10.1905013-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		R	G	STD
10304	WL	5/2/2019	RFS01-10.1905013-018	75-01-4	Vinyl chloride	N	0.1	ug/L	U	D	0.1		R	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	107-06-2	1,2-Dichloroethane	N	0.18	ug/L	J	F	0.13		FU	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
10304	WL	6/6/2019	RFS01-10.1906017-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	156-59-2	cis-1,2-Dichloroethene	N	1.1	ug/L	U	F	0.15		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	79-01-6	Trichloroethene	N	3.5	ug/L	U	F	0.16		F	G	STD
10304	WL	6/6/2019	RFS01-10.1906017-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.12	mg/L	B	F	0.019		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	7440-61-1	Uranium	Y	56	ug/L	U	F	0.05		FQ	G	STD
10594	WL	5/15/2019	RFS01-10.1905015-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	7440-61-1	Uranium	Y	27	ug/L	U	F	0.05		F	G	STD
11104	WL	4/16/2019	RFS01-10.1904011-018	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F	G	STD
11104	WL	5/29/2019	RFS01-10.1905016-018	7440-61-1	Uranium	Y	21	ug/L	U	F	0.05		FJ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
11502	WL	5/13/2019	RFS01-10.1905015-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	127-18-4	Tetrachloroethene	N	0.26	ug/L	J	F	0.2		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	7440-61-1	Uranium	Y	0.6	ug/L	J	F	0.05		FQ	G	STD
11502	WL	5/13/2019	RFS01-10.1905015-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		R	G	STD
15699	WL	5/3/2019	RFS01-10.1905013-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		R	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	71-55-6	1,1,1-Trichloroethane	N	21	ug/L	U	F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	79-34-5	1,1,2,2-Tetrachloroethane	N	1.1	ug/L	U	F	1.1		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	79-00-5	1,1,2-Trichloroethane	N	1.4	ug/L	U	F	1.4		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	75-35-4	1,1-Dichloroethene	N	4.4	ug/L	J	F	1.2		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	120-82-1	1,2,4-Trichlorobenzene	N	1.1	ug/L	U	F	1.1		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	95-50-1	1,2-Dichlorobenzene	N	0.75	ug/L	U	F	0.75		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	107-06-2	1,2-Dichloroethane	N	1.1	ug/L	J	F	0.65		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	78-87-5	1,2-Dichloropropane	N	0.9	ug/L	U	F	0.9		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	541-73-1	1,3-Dichlorobenzene	N	0.65	ug/L	U	F	0.65		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	106-46-7	1,4-Dichlorobenzene	N	0.8	ug/L	U	F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	71-43-2	Benzene	N	0.8	ug/L	U	F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	75-25-2	Bromoform	N	2.3	ug/L	U	F	2.3		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	56-23-5	Carbon tetrachloride	N	0.95	ug/L	U	F	0.95		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	108-90-7	Chlorobenzene	N	0.85	ug/L	U	F	0.85		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	67-66-3	Chloroform	N	2	ug/L	J	F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	74-87-3	Chloromethane	N	1.5	ug/L	U	F	1.5		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
15699	WL	6/6/2019	RFS01-10.1906017-004	156-59-2	cis-1,2-Dichloroethene	N	260	ug/L		F	0.75		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	100-41-4	Ethylbenzene	N	0.8	ug/L	U	F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	87-68-3	Hexachlorobutadiene	N	1.8	ug/L	U	F	1.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	75-09-2	Methylene chloride	N	4.7	ug/L	U	F	4.7		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	91-20-3	Naphthalene	N	1.1	ug/L	U	F	1.1		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	100-42-5	Styrene	N	1.8	ug/L	U	F	1.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	127-18-4	Tetrachloroethene	N	53	ug/L		F	1		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	108-88-3	Toluene	N	0.85	ug/L	U	F	0.85		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	1330-20-7	Total Xylenes	N	0.95	ug/L	U	F	0.95		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	156-60-5	trans-1,2-Dichloroethene	N	1.1	ug/L	J	F	0.75		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	79-01-6	Trichloroethene	N	200	ug/L		F	0.8		FQ	G	STD
15699	WL	6/6/2019	RFS01-10.1906017-004	75-01-4	Vinyl chloride	N	0.5	ug/L	U	F	0.5		FQ	G	STD
20205	WL	4/25/2019	RFS01-03.1904004-003	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	75-35-4	1,1-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	14596-10-2	Americium-241	Y	0.00817	pCi/L	U	F		0.00761	FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	71-43-2	Benzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	75-25-2	Bromoform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	56-23-5	Carbon tetrachloride	N	0.4	ug/L	HJ	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	108-90-7	Chlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	67-66-3	Chloroform	N	3.7	ug/L	H	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	74-87-3	Chloromethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	156-59-2	cis-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	100-41-4	Ethylbenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	75-09-2	Methylene chloride	N	1.67	ug/L	HU	F	1.67		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	91-20-3	Naphthalene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	PU-239,240	Plutonium-239, 240	Y	-0.00248	pCi/L	U	F		0.0188	FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	100-42-5	Styrene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	127-18-4	Tetrachloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	108-88-3	Toluene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	1330-20-7	Total Xylenes	N	1	ug/L	HU	F	1		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	79-01-6	Trichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	7440-61-1	Uranium	Y	24.5	ug/L		F	0.067		FQ	G	GEN
20205	WL	4/25/2019	RFS01-03.1904004-003	75-01-4	Vinyl chloride	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	75-35-4	1,1-Dichloroethene	N	0.9	ug/L	HJ	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	14596-10-2	Americium-241	Y	0.00998	pCi/L	U	F		0.00846	FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	71-43-2	Benzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	75-25-2	Bromoform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	56-23-5	Carbon tetrachloride	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	108-90-7	Chlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	67-66-3	Chloroform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	74-87-3	Chloromethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	156-59-2	cis-1,2-Dichloroethene	N	1.74	ug/L	H	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	100-41-4	Ethylbenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	75-09-2	Methylene chloride	N	1.67	ug/L	HU	F	1.67		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	91-20-3	Naphthalene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	PU-239,240	Plutonium-239, 240	Y	-0.00116	pCi/L	U	F		0.00756	FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	100-42-5	Styrene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	127-18-4	Tetrachloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	108-88-3	Toluene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	1330-20-7	Total Xylenes	N	1	ug/L	HU	F	1		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	79-01-6	Trichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20505	WL	4/25/2019	RFS01-03.1904004-001	7440-61-1	Uranium	Y	1.97	ug/L		F	0.067		FQ	G	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
20505	WL	4/25/2019	RFS01-03.1904004-001	75-01-4	Vinyl chloride	N	0.65	ug/L	HJ	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	75-35-4	1,1-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	75-35-4	1,1-Dichloroethene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	14596-10-2	Americium-241	Y	0.0073	pCi/L	U	F		0.0175	FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	14596-10-2	Americium-241	Y	0.00457	pCi/L	U	D		0.00897	FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	71-43-2	Benzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	71-43-2	Benzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	75-25-2	Bromoform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	75-25-2	Bromoform	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	56-23-5	Carbon tetrachloride	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	56-23-5	Carbon tetrachloride	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	108-90-7	Chlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	108-90-7	Chlorobenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	67-66-3	Chloroform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	67-66-3	Chloroform	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	74-87-3	Chloromethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	74-87-3	Chloromethane	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	156-59-2	cis-1,2-Dichloroethene	N	4.03	ug/L	H	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	156-59-2	cis-1,2-Dichloroethene	N	1.89	ug/L	H	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	100-41-4	Ethylbenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	100-41-4	Ethylbenzene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	75-09-2	Methylene chloride	N	1.67	ug/L	HU	F	1.67		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	75-09-2	Methylene chloride	N	1.67	ug/L	HU	D	1.67		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	91-20-3	Naphthalene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	91-20-3	Naphthalene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.17	mg/L	U	D	0.17		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	PU-239,240	Plutonium-239, 240	Y	0.0134	pCi/L	U	F		0.0205	FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	PU-239,240	Plutonium-239, 240	Y	0.00543	pCi/L	U	D		0.00843	FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	100-42-5	Styrene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	100-42-5	Styrene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	127-18-4	Tetrachloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	127-18-4	Tetrachloroethene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	108-88-3	Toluene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	108-88-3	Toluene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	1330-20-7	Total Xylenes	N	1	ug/L	HU	F	1		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	1330-20-7	Total Xylenes	N	1	ug/L	HU	D	1		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	79-01-6	Trichloroethene	N	0.36	ug/L	HJ	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	79-01-6	Trichloroethene	N	0.333	ug/L	HU	D	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	7440-61-1	Uranium	Y	158	ug/L		F	0.067		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	7440-61-1	Uranium	Y	26.3	ug/L		D	0.067		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-002	75-01-4	Vinyl chloride	N	0.51	ug/L	HJ	F	0.333		FQ	G	GEN
20705	WL	4/25/2019	RFS01-03.1904004-006	75-01-4	Vinyl chloride	N	1.42	ug/L	H	D	0.333		FQ	G	GEN
23296	WL	5/3/2019	RFS01-10.1905013-005	71-55-6	1,1,1-Trichloroethane	N	6.4	ug/L	U	F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	79-34-5	1,1,2,2-Tetrachloroethane	N	8.4	ug/L	U	F	8.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	79-00-5	1,1,2-Trichloroethane	N	11	ug/L	U	F	11		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	75-35-4	1,1-Dichloroethene	N	9.2	ug/L	U	F	9.2		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	120-82-1	1,2,4-Trichlorobenzene	N	8.4	ug/L	U	F	8.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	95-50-1	1,2-Dichlorobenzene	N	6	ug/L	U	F	6		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	107-06-2	1,2-Dichloroethane	N	5.2	ug/L	U	F	5.2		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	78-87-5	1,2-Dichloropropane	N	7.2	ug/L	U	F	7.2		F	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
23296	WL	5/3/2019	RFS01-10.1905013-005	541-73-1	1,3-Dichlorobenzene	N	5.2	ug/L	U	F	5.2		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	106-46-7	1,4-Dichlorobenzene	N	6.4	ug/L	U	F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	71-43-2	Benzene	N	6.4	ug/L	U	F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	75-25-2	Bromoform	N	18	ug/L	U	F	18		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	56-23-5	Carbon tetrachloride	N	7.6	ug/L	U	F	7.6		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	108-90-7	Chlorobenzene	N	6.8	ug/L	U	F	6.8		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	67-66-3	Chloroform	N	6.4	ug/L	U	F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	74-87-3	Chloromethane	N	12	ug/L	U	F	12		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	156-59-2	cis-1,2-Dichloroethene	N	1100	ug/L		F	6		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	100-41-4	Ethylbenzene	N	6.4	ug/L	U	F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	87-68-3	Hexachlorobutadiene	N	14	ug/L	U	F	14		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	75-09-2	Methylene chloride	N	38	ug/L	U	F	38		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	91-20-3	Naphthalene	N	8.8	ug/L	U	F	8.8		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	100-42-5	Styrene	N	14	ug/L	U	F	14		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	127-18-4	Tetrachloroethene	N	56	ug/L		F	8		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	108-88-3	Toluene	N	6.8	ug/L	U	F	6.8		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	1330-20-7	Total Xylenes	N	7.6	ug/L	U	F	7.6		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	156-60-5	trans-1,2-Dichloroethene	N	6	ug/L	U	F	6		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	79-01-6	Trichloroethene	N	1000	ug/L		F	6.4		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	7440-61-1	Uranium	Y	23	ug/L		F	0.05		F	G	STD
23296	WL	5/3/2019	RFS01-10.1905013-005	75-01-4	Vinyl chloride	N	4	ug/L	U	F	4		F	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
30002	WL	4/18/2019	RFS01-10.1904011-019	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	541-73-1	1,3-Dichlorobenzene	N	0.42	ug/L	J	F	0.13		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	106-46-7	1,4-Dichlorobenzene	N	1.8	ug/L		F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	108-90-7	Chlorobenzene	N	0.56	ug/L	J	F	0.17		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	156-59-2	cis-1,2-Dichloroethene	N	2	ug/L		F	0.15		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
33711	WL	4/26/2019	RFS01-10.1904012-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	J	F	0.15		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	79-01-6	Trichloroethene	N	0.19	ug/L	J	F	0.16		F	G	STD
33711	WL	4/26/2019	RFS01-10.1904012-001	75-01-4	Vinyl chloride	N	0.49	ug/L	J	F	0.1		F	G	STD
37405	WL	4/25/2019	RFS01-03.1904004-004	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	75-35-4	1,1-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	14596-10-2	Americium-241	Y	0.0101	pCi/L	U	F		0.0102	FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	71-43-2	Benzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	75-25-2	Bromoform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	56-23-5	Carbon tetrachloride	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	108-90-7	Chlorobenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	67-66-3	Chloroform	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	74-87-3	Chloromethane	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	156-59-2	cis-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	100-41-4	Ethylbenzene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	75-09-2	Methylene chloride	N	1.67	ug/L	HU	F	1.67		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	91-20-3	Naphthalene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.51	mg/L	U	F	0.17		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	PU-239,240	Plutonium-239, 240	Y	-0.00529	pCi/L	U	F		0.0194	FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	100-42-5	Styrene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	127-18-4	Tetrachloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	108-88-3	Toluene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	1330-20-7	Total Xylenes	N	1	ug/L	HU	F	1		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	79-01-6	Trichloroethene	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	7440-61-1	Uranium	Y	2.14	ug/L	U	F	0.067		FQ	G	GEN
37405	WL	4/25/2019	RFS01-03.1904004-004	75-01-4	Vinyl chloride	N	0.333	ug/L	HU	F	0.333		FQ	G	GEN
37505	WL	4/25/2019	RFS01-10.1904012-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.1	mg/L	U	F	0.019		FQ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	127-18-4	Tetrachloroethene	N	0.25	ug/L	J	F	0.2		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQJ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	7440-61-1	Uranium	Y	13	ug/L	U	F	0.05		FQ	G	STD
37505	WL	4/25/2019	RFS01-10.1904012-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQJ	G	STD
37705	WL	5/22/2019	RFS01-03.1905005-005	71-55-6	1,1,1-Trichloroethane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	79-00-5	1,1,2-Trichloroethane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	75-35-4	1,1-Dichloroethene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	120-82-1	1,2,4-Trichlorobenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	95-50-1	1,2-Dichlorobenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	107-06-2	1,2-Dichloroethane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
37705	WL	5/22/2019	RFS01-03.1905005-005	78-87-5	1,2-Dichloropropane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	541-73-1	1,3-Dichlorobenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	106-46-7	1,4-Dichlorobenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	14596-10-2	Americium-241	Y	-0.0234	pCi/L	U	F		0.0203	FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	71-43-2	Benzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	75-25-2	Bromoform	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	56-23-5	Carbon tetrachloride	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	108-90-7	Chlorobenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	67-66-3	Chloroform	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	74-87-3	Chloromethane	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	156-59-2	cis-1,2-Dichloroethene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	100-41-4	Ethylbenzene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	87-68-3	Hexachlorobutadiene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	75-09-2	Methylene chloride	N	1.67	ug/L	U	F	1.67		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	91-20-3	Naphthalene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.115	mg/L	U	F	0.017		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	PU-239,240	Plutonium-239, 240	Y	0.00234	pCi/L	U	F		0.00458	FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	100-42-5	Styrene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	127-18-4	Tetrachloroethene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	108-88-3	Toluene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	1330-20-7	Total Xylenes	N	1	ug/L	U	F	1		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	156-60-5	trans-1,2-Dichloroethene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	79-01-6	Trichloroethene	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	7440-61-1	Uranium	Y	5.41	ug/L	U	F	0.067		FQ	G	GEN
37705	WL	5/22/2019	RFS01-03.1905005-005	75-01-4	Vinyl chloride	N	0.333	ug/L	U	F	0.333		FQ	G	GEN
40305	WL	5/13/2019	RFS01-10.1905015-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	127-18-4	Tetrachloroethene	N	0.24	ug/L	J	F	0.2		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	7440-61-1	Uranium	Y	0.74	ug/L	J	F	0.05		F	G	STD
40305	WL	5/13/2019	RFS01-10.1905015-005	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	156-59-2	cis-1,2-Dichloroethene	N	0.48	ug/L	J	F	0.15		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD

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Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
42505	WL	4/26/2019	RFS01-10.1904012-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
42505	WL	4/26/2019	RFS01-10.1904012-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	75-35-4	1,1-Dichloroethene	N	0.48	ug/L	J	F	0.23		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	541-73-1	1,3-Dichlorobenzene	N	0.14	ug/L	J	F	0.13		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	156-59-2	cis-1,2-Dichloroethene	N	88	ug/L	U	F	0.3		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	127-18-4	Tetrachloroethene	N	0.6	ug/L	J	F	0.2		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	156-60-5	trans-1,2-Dichloroethene	N	0.58	ug/L	J	F	0.15		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	79-01-6	Trichloroethene	N	8	ug/L	U	F	0.16		F	G	STD
45608	WL	5/6/2019	RFS01-10.1905014-005	75-01-4	Vinyl chloride	N	4.9	ug/L	U	F	0.1		F	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	156-59-2	cis-1,2-Dichloroethene	N	1.7	ug/L	U	F	0.15		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
52505	WL	4/26/2019	RFS01-10.1904012-008	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
70099	WL	5/15/2019	RFS01-10.1905015-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.19	mg/L	B	F	0.019		FQU	G	STD
70099	WL	5/15/2019	RFS01-10.1905015-006	7440-61-1	Uranium	Y	49	ug/L	U	F	0.05		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70193	WL	4/17/2019	RFS01-10.1904011-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-42-8	Boron	Y	18	ug/L	U	F	4.4		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-02-0	Nickel	Y	0.38	ug/L	J	F	0.3		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7782-49-2	Selenium	Y	4.8	ug/L		F	0.37		FJQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-61-1	Uranium	Y	0.081	ug/L	J	F	0.05		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
70193	WL	4/17/2019	RFS01-10.1904011-001	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	75-35-4	1,1-Dichloroethene	N	1.7	ug/L		F	0.23		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-42-8	Boron	Y	5.5	ug/L	J	F	4.4		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-02-0	Nickel	Y	1.4	ug/L	J	F	0.3		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7782-49-2	Selenium	Y	0.78	ug/L	J	F	0.37		FJQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	127-18-4	Tetrachloroethene	N	1.1	ug/L		F	0.2		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	79-01-6	Trichloroethene	N	6.4	ug/L		F	0.16		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
70393	WL	4/17/2019	RFS01-10.1904011-002	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	75-35-4	1,1-Dichloroethene	N	1.3	ug/L	U	F	0.23		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-42-8	Boron	Y	21	ug/L	U	F	4.4		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-02-0	Nickel	Y	0.84	ug/L	J	F	0.3		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7782-49-2	Selenium	Y	1	ug/L	J	F	0.37		FJ	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	127-18-4	Tetrachloroethene	N	0.42	ug/L	J	F	0.2		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	79-01-6	Trichloroethene	N	1.7	ug/L	U	F	0.16		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F	G	STD
70693	WL	4/17/2019	RFS01-10.1904011-003	7440-66-6	Zinc	Y	2	ug/L	U	F	2		F	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-42-8	Boron	Y	37	ug/L	U	F	4.4		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.3		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7782-49-2	Selenium	Y	7.5	ug/L		F	0.37		FJQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-61-1	Uranium	Y	40	ug/L		F	0.05		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
73005	WL	4/18/2019	RFS01-10.1904011-004	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-42-8	Boron	Y	110	ug/L		F	4.4		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-02-0	Nickel	Y	4.3	ug/L		F	0.3		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FJQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	1330-20-7	Total Xylenes	N	0.24	ug/L	J	F	0.19		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-61-1	Uranium	Y	23	ug/L		F	0.05		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
73105	WL	4/18/2019	RFS01-10.1904011-005	7440-66-6	Zinc	Y	4.4	ug/L	J	F	2		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-38-2	Arsenic	Y	0.38	ug/L	J	F	0.33		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-42-8	Boron	Y	65	ug/L		F	4.4		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-47-3	Chromium	Y	0.99	ug/L	J	F	0.5		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-50-8	Copper	Y	3.1	ug/L		F	0.56		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-02-0	Nickel	Y	2.8	ug/L		F	0.3		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7782-49-2	Selenium	Y	310	ug/L		F	0.37		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-61-1	Uranium	Y	130	ug/L		F	0.05		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
73205	WL	4/17/2019	RFS01-10.1904011-006	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U H	F	0.21		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U H	F	0.27		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U H	F	0.23		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U H	F	0.21		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U H	F	0.13		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U H	F	0.18		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U H	F	0.13		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	120-12-7	Anthracene	N	0.015	ug/L	U	F	0.015		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	71-43-2	Benzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	50-32-8	Benzo(a)pyrene	N	0.0053	ug/L	U	F	0.0053		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	191-24-2	Benzo(g,h,i)Perylene	N	0.0084	ug/L	U	F	0.0084		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.53	ug/L	U	F	0.53		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-42-8	Boron	Y	42	ug/L		F	4.4		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	75-25-2	Bromoform	N	0.46	ug/L	U H	F	0.46		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U H	F	0.19		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	108-90-7	Chlorobenzene	N	0.17	ug/L	U H	F	0.17		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	67-66-3	Chloroform	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	74-87-3	Chloromethane	N	0.3	ug/L	U H	F	0.3		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	218-01-9	Chrysene	N	0.013	ug/L	U	F	0.013		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	53-70-3	Dibenz(a,h)anthracene	N	0.005	ug/L	U	F	0.005		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	100-41-4	Ethylbenzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	206-44-0	Fluoranthene	N	0.036	ug/L	U	F	0.036		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U H	F	0.36		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	75-09-2	Methylene chloride	N	0.94	ug/L	U H	F	0.94		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	91-20-3	Naphthalene	N	0.0055	ug/L	U	F	0.0055		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-02-0	Nickel	Y	0.4	ug/L	J	F	0.3		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-008	129-00-0	Pyrene	N	0.0083	ug/L	U	F	0.0083		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7782-49-2	Selenium	Y	0.42	ug/L	J	F	0.37		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	100-42-5	Styrene	N	0.36	ug/L	U H	F	0.36		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	127-18-4	Tetrachloroethene	N	0.2	ug/L	U H	F	0.2		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	108-88-3	Toluene	N	0.17	ug/L	U H	F	0.17		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80005	WL	4/15/2019	RFS01-10.1904011-007	1330-20-7	Total Xylenes	N	0.19	ug/L	U H	F	0.19		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	79-01-6	Trichloroethene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-61-1	Uranium	Y	6.9	ug/L	W	F	0.05		FJQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	75-01-4	Vinyl chloride	N	0.1	ug/L	U H	F	0.1		FQ	G	STD
80005	WL	4/15/2019	RFS01-10.1904011-007	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	D	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	D	0.13		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	D	0.18		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	D	0.13		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	91-58-7	2-Chloronaphthalene	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	91-58-7	2-Chloronaphthalene	N	0.26	ug/L	U	D	0.26		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	83-32-9	Acenaphthene	N	0.011	ug/L	U	D	0.011		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	120-12-7	Anthracene	N	0.015	ug/L	U	F	0.015		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	120-12-7	Anthracene	N	0.014	ug/L	U	D	0.014		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-38-2	Arsenic	Y	0.33	ug/L	U	D	0.33		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	71-43-2	Benzene	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	50-32-8	Benzo(a)pyrene	N	0.0053	ug/L	U	F	0.0053		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	50-32-8	Benzo(a)pyrene	N	0.0052	ug/L	U	D	0.0052		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	191-24-2	Benzo(g,h,i)Perylene	N	0.0084	ug/L	U	F	0.0084		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	191-24-2	Benzo(g,h,i)Perylene	N	0.0082	ug/L	U	D	0.0082		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-41-7	Beryllium	Y	0.26	ug/L	J	F	0.08		FJQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-41-7	Beryllium	Y	0.08	ug/L	U	D	0.08		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	108-60-1	Bis(2-chloroisopropyl) ether	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	D	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.59	ug/L	U	F	0.59		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.55	ug/L	U	D	0.55		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-42-8	Boron	Y	120	ug/L	F	F	4.4		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-42-8	Boron	Y	110	ug/L	U	D	4.4		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	75-25-2	Bromoform	N	0.46	ug/L	U	D	0.46		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-43-9	Cadmium	Y	0.27	ug/L	U	D	0.27		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	D	0.19		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	108-90-7	Chlorobenzene	N	0.17	ug/L	U	D	0.17		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	67-66-3	Chloroform	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	74-87-3	Chloromethane	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-47-3	Chromium	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	218-01-9	Chrysene	N	0.013	ug/L	U	F	0.013		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	218-01-9	Chrysene	N	0.012	ug/L	U	D	0.012		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-50-8	Copper	Y	0.56	ug/L	U	D	0.56		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	53-70-3	Dibenz(a,h)anthracene	N	0.005	ug/L	U	F	0.005		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	53-70-3	Dibenz(a,h)anthracene	N	0.0049	ug/L	U	D	0.0049		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	84-66-2	Diethyl phthalate	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	131-11-3	Dimethyl phthalate	N	0.22	ug/L	U	F	0.22		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80105	WL	4/16/2019	RFS01-10.1904011-015	131-11-3	Dimethyl phthalate	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	84-74-2	Di-n-butyl phthalate	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	D	1.1		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	100-41-4	Ethylbenzene	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	206-44-0	Fluoranthene	N	0.036	ug/L	U	F	0.036		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	206-44-0	Fluoranthene	N	0.035	ug/L	U	D	0.035		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	86-73-7	Fluorene	N	0.019	ug/L	U	D	0.019		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	67-72-1	Hexachloroethane	N	1	ug/L	U	F	1		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	67-72-1	Hexachloroethane	N	0.96	ug/L	U	D	0.96		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	78-59-1	Isophorone	N	0.22	ug/L	U	F	0.22		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	78-59-1	Isophorone	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7439-92-1	Lead	Y	0.18	ug/L	U	D	0.18		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7439-97-6	Mercury	Y	0.027	ug/L	U	D	0.027		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	91-20-3	Naphthalene	N	0.0055	ug/L	U	F	0.0055		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	91-20-3	Naphthalene	N	0.0054	ug/L	U	D	0.0054		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-02-0	Nickel	Y	0.36	ug/L	J	F	0.3		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-02-0	Nickel	Y	0.36	ug/L	J	D	0.3		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-010	129-00-0	Pyrene	N	0.0083	ug/L	U	F	0.0083		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-016	129-00-0	Pyrene	N	0.0082	ug/L	U	D	0.0082		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7782-49-2	Selenium	Y	0.46	ug/L	J	F	0.37		FJQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7782-49-2	Selenium	Y	0.37	ug/L	U	D	0.37		FJQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-22-4	Silver	Y	0.033	ug/L	U	D	0.033		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	D	0.2		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	108-88-3	Toluene	N	0.17	ug/L	U	D	0.17		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	1330-20-7	Total Xylenes	N	0.19	ug/L	U	D	0.19		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	79-01-6	Trichloroethene	N	0.16	ug/L	U	D	0.16		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-61-1	Uranium	Y	14	ug/L	U	F	0.05		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-61-1	Uranium	Y	13	ug/L	U	D	0.05		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	75-01-4	Vinyl chloride	N	0.1	ug/L	U	D	0.1		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-009	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80105	WL	4/16/2019	RFS01-10.1904011-015	7440-66-6	Zinc	Y	2	ug/L	U	D	2		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-39-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-42-8	Boron	Y	58	ug/L	U	F	4.4		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80205	WL	4/17/2019	RFS01-10.1904011-011	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	67-72-1	Hexachloroethane	N	0.95	ug/L	U	F	0.95		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	91-20-3	Naphthalene	N	0.0051	ug/L	U	F	0.0051		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-02-0	Nickel	Y	2.8	ug/L	U	F	0.3		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-012	129-00-0	Pyrene	N	0.0077	ug/L	U	F	0.0077		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7782-49-2	Selenium	Y	0.44	ug/L	J	F	0.37		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-61-1	Uranium	Y	52	ug/L	U	F	0.05		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
80205	WL	4/17/2019	RFS01-10.1904011-011	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
89104	WL	5/13/2019	RFS01-10.1905015-007	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	71-55-6	1,1,1-Trichloroethane	N	1.6	ug/L	U	F	1.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	79-34-5	1,1,2,2-Tetrachloroethane	N	2.1	ug/L	U	F	2.1		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	79-00-5	1,1,2-Trichloroethane	N	2.7	ug/L	U	F	2.7		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	75-35-4	1,1-Dichloroethene	N	2.3	ug/L	U	F	2.3		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	120-82-1	1,2,4-Trichlorobenzene	N	2.1	ug/L	U	F	2.1		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	95-50-1	1,2-Dichlorobenzene	N	1.5	ug/L	U	F	1.5		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	107-06-2	1,2-Dichloroethane	N	1.3	ug/L	U	F	1.3		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	78-87-5	1,2-Dichloropropane	N	1.8	ug/L	U	F	1.8		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	541-73-1	1,3-Dichlorobenzene	N	1.3	ug/L	U	F	1.3		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	106-46-7	1,4-Dichlorobenzene	N	1.6	ug/L	U	F	1.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	71-43-2	Benzene	N	1.6	ug/L	U	F	1.6		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
90399	WL	5/2/2019	RFS01-10.1905013-007	75-25-2	Bromoform	N	4.6	ug/L	U	F	4.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	56-23-5	Carbon tetrachloride	N	97	ug/L		F	1.9		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	108-90-7	Chlorobenzene	N	1.7	ug/L	U	F	1.7		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	67-66-3	Chloroform	N	32	ug/L		F	1.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	74-87-3	Chloromethane	N	3	ug/L	U	F	3		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	156-59-2	cis-1,2-Dichloroethene	N	4.3	ug/L	J	F	1.5		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	100-41-4	Ethylbenzene	N	1.6	ug/L	U	F	1.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	87-68-3	Hexachlorobutadiene	N	3.6	ug/L	U	F	3.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	75-09-2	Methylene chloride	N	9.4	ug/L	U	F	9.4		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	91-20-3	Naphthalene	N	2.2	ug/L	U	F	2.2		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	100-42-5	Styrene	N	3.6	ug/L	U	F	3.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	127-18-4	Tetrachloroethene	N	8.4	ug/L	J	F	2		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	108-88-3	Toluene	N	1.7	ug/L	U	F	1.7		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	1330-20-7	Total Xylenes	N	1.9	ug/L	U	F	1.9		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	156-60-5	trans-1,2-Dichloroethene	N	1.5	ug/L	U	F	1.5		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	79-01-6	Trichloroethene	N	410	ug/L		F	1.6		FQ	G	STD
90399	WL	5/2/2019	RFS01-10.1905013-007	75-01-4	Vinyl chloride	N	1	ug/L	U	F	1		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	71-55-6	1,1,1-Trichloroethane	N	7	ug/L		F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	79-34-5	1,1,2,2-Tetrachloroethane	N	0.84	ug/L	U	F	0.84		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	79-00-5	1,1,2-Trichloroethane	N	1.1	ug/L	U	F	1.1		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	75-35-4	1,1-Dichloroethene	N	1.3	ug/L	J	F	0.92		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	120-82-1	1,2,4-Trichlorobenzene	N	0.84	ug/L	U	F	0.84		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	95-50-1	1,2-Dichlorobenzene	N	0.6	ug/L	U	F	0.6		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	107-06-2	1,2-Dichloroethane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	78-87-5	1,2-Dichloropropane	N	0.72	ug/L	U	F	0.72		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	541-73-1	1,3-Dichlorobenzene	N	0.52	ug/L	U	F	0.52		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	106-46-7	1,4-Dichlorobenzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	71-43-2	Benzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	75-25-2	Bromoform	N	1.8	ug/L	U	F	1.8		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	56-23-5	Carbon tetrachloride	N	120	ug/L		F	0.76		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	108-90-7	Chlorobenzene	N	0.68	ug/L	U	F	0.68		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	67-66-3	Chloroform	N	12	ug/L		F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	74-87-3	Chloromethane	N	1.2	ug/L	U	F	1.2		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	156-59-2	cis-1,2-Dichloroethene	N	3.2	ug/L	J	F	0.6		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	100-41-4	Ethylbenzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	87-68-3	Hexachlorobutadiene	N	1.4	ug/L	U	F	1.4		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	75-09-2	Methylene chloride	N	3.8	ug/L	U	F	3.8		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	91-20-3	Naphthalene	N	0.88	ug/L	U	F	0.88		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	100-42-5	Styrene	N	1.4	ug/L	U	F	1.4		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	127-18-4	Tetrachloroethene	N	110	ug/L		F	0.8		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	108-88-3	Toluene	N	0.68	ug/L	U	F	0.68		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	1330-20-7	Total Xylenes	N	0.76	ug/L	U	F	0.76		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	156-60-5	trans-1,2-Dichloroethene	N	0.6	ug/L	U	F	0.6		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	79-01-6	Trichloroethene	N	24	ug/L		F	0.64		FQ	G	STD
91203	WL	5/3/2019	RFS01-10.1905013-008	75-01-4	Vinyl chloride	N	0.4	ug/L	U	F	0.4		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	156-59-2	cis-1,2-Dichloroethene	N	1.6	ug/L		F	0.15		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.31	mg/L	B	F	0.019		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	127-18-4	Tetrachloroethene	N	0.27	ug/L	J	F	0.2		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	79-01-6	Trichloroethene	N	1.2	ug/L		F	0.16		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
91305	WL	5/6/2019	RFS01-10.1905014-007	7440-61-1	Uranium	Y	59	ug/L		F	0.05		FQ	G	STD
91305	WL	5/6/2019	RFS01-10.1905014-007	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	541-73-1	1,3-Dichlorobenzene	N	0.14	ug/L	J	F	0.13		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
95099	WL	5/15/2019	RFS01-10.1905015-008	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	71-55-6	1,1,1-Trichloroethane	N	0.32	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	79-34-5	1,1,2,2-Tetrachloroethane	N	0.42	ug/L	U	F	0.42		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	79-00-5	1,1,2-Trichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	75-35-4	1,1-Dichloroethene	N	0.96	ug/L	J	F	0.46		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	120-82-1	1,2,4-Trichlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	95-50-1	1,2-Dichlorobenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	107-06-2	1,2-Dichloroethane	N	0.26	ug/L	U	F	0.26		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	78-87-5	1,2-Dichloropropane	N	0.36	ug/L	U	F	0.36		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	541-73-1	1,3-Dichlorobenzene	N	0.26	ug/L	U	F	0.26		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	106-46-7	1,4-Dichlorobenzene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	71-43-2	Benzene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	75-25-2	Bromoform	N	0.92	ug/L	U	F	0.92		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	56-23-5	Carbon tetrachloride	N	0.38	ug/L	U	F	0.38		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	108-90-7	Chlorobenzene	N	0.34	ug/L	U	F	0.34		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	67-66-3	Chloroform	N	0.32	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	74-87-3	Chloromethane	N	0.6	ug/L	U	F	0.6		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	156-59-2	cis-1,2-Dichloroethene	N	9.5	ug/L	U	F	0.3		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	100-41-4	Ethylbenzene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	87-68-3	Hexachlorobutadiene	N	0.72	ug/L	U	F	0.72		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	75-09-2	Methylene chloride	N	1.9	ug/L	U	F	1.9		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	91-20-3	Naphthalene	N	0.44	ug/L	U	F	0.44		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	100-42-5	Styrene	N	0.71	ug/L	U	F	0.71		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	127-18-4	Tetrachloroethene	N	4.5	ug/L	U	F	0.4		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	108-88-3	Toluene	N	0.34	ug/L	U	F	0.34		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	1330-20-7	Total Xylenes	N	0.38	ug/L	U	F	0.38		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	156-60-5	trans-1,2-Dichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	79-01-6	Trichloroethene	N	90	ug/L	U	F	0.32		FQ	G	STD
95199	WL	5/3/2019	RFS01-10.1905013-010	75-01-4	Vinyl chloride	N	0.2	ug/L	U	F	0.2		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	71-55-6	1,1,1-Trichloroethane	N	0.64	ug/L	U	F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	71-55-6	1,1,1-Trichloroethane	N	0.64	ug/L	U	D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	79-34-5	1,1,2,2-Tetrachloroethane	N	0.84	ug/L	U	F	0.84		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	79-34-5	1,1,2,2-Tetrachloroethane	N	0.84	ug/L	U	D	0.84		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	79-00-5	1,1,2-Trichloroethane	N	1.1	ug/L	U	F	1.1		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	79-00-5	1,1,2-Trichloroethane	N	1.1	ug/L	U	D	1.1		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	75-35-4	1,1-Dichloroethene	N	0.92	ug/L	U	F	0.92		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	75-35-4	1,1-Dichloroethene	N	0.92	ug/L	U	D	0.92		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	120-82-1	1,2,4-Trichlorobenzene	N	0.84	ug/L	U	F	0.84		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	120-82-1	1,2,4-Trichlorobenzene	N	0.84	ug/L	U	D	0.84		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	95-50-1	1,2-Dichlorobenzene	N	0.6	ug/L	U	F	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	95-50-1	1,2-Dichlorobenzene	N	0.6	ug/L	U	D	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	107-06-2	1,2-Dichloroethane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	107-06-2	1,2-Dichloroethane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	78-87-5	1,2-Dichloropropane	N	0.72	ug/L	U	F	0.72		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
99305	WL	5/14/2019	RFS01-10.1905015-017	78-87-5	1,2-Dichloropropane	N	0.72	ug/L	U	D	0.72		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	541-73-1	1,3-Dichlorobenzene	N	0.52	ug/L	U	F	0.52		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	541-73-1	1,3-Dichlorobenzene	N	0.52	ug/L	U	D	0.52		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	106-46-7	1,4-Dichlorobenzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	106-46-7	1,4-Dichlorobenzene	N	0.64	ug/L	U	D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	71-43-2	Benzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	71-43-2	Benzene	N	0.64	ug/L	U	D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	75-25-2	Bromoform	N	1.8	ug/L	U	F	1.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	75-25-2	Bromoform	N	1.8	ug/L	U	D	1.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	56-23-5	Carbon tetrachloride	N	0.76	ug/L	U	F	0.76		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	56-23-5	Carbon tetrachloride	N	0.76	ug/L	U	D	0.76		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	108-90-7	Chlorobenzene	N	0.68	ug/L	U	F	0.68		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	108-90-7	Chlorobenzene	N	0.68	ug/L	U	D	0.68		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	67-66-3	Chloroform	N	0.64	ug/L	U	F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	67-66-3	Chloroform	N	0.64	ug/L	U	D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	74-87-3	Chloromethane	N	1.2	ug/L	U	F	1.2		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	74-87-3	Chloromethane	N	1.2	ug/L	U	D	1.2		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	156-59-2	cis-1,2-Dichloroethene	N	14	ug/L		F	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	156-59-2	cis-1,2-Dichloroethene	N	13	ug/L		F	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	100-41-4	Ethylbenzene	N	0.64	ug/L	U	F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	100-41-4	Ethylbenzene	N	0.64	ug/L	U	D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	87-68-3	Hexachlorobutadiene	N	1.4	ug/L	U	F	1.4		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	87-68-3	Hexachlorobutadiene	N	1.4	ug/L	U	D	1.4		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	75-09-2	Methylene chloride	N	3.8	ug/L	U	F	3.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	75-09-2	Methylene chloride	N	3.8	ug/L	U	D	3.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	91-20-3	Naphthalene	N	0.88	ug/L	U	F	0.88		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	91-20-3	Naphthalene	N	0.88	ug/L	U	D	0.88		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.37	mg/L	B	F	0.019		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.39	mg/L	B	D	0.019		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	100-42-5	Styrene	N	1.4	ug/L	U	F	1.4		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	100-42-5	Styrene	N	1.4	ug/L	U	D	1.4		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	127-18-4	Tetrachloroethene	N	12	ug/L		F	0.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	127-18-4	Tetrachloroethene	N	12	ug/L		D	0.8		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	108-88-3	Toluene	N	0.68	ug/L	U	F	0.68		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	108-88-3	Toluene	N	0.68	ug/L	U	D	0.68		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	1330-20-7	Total Xylenes	N	0.76	ug/L	U	F	0.76		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	1330-20-7	Total Xylenes	N	0.76	ug/L	U	D	0.76		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	156-60-5	trans-1,2-Dichloroethene	N	0.6	ug/L	U	F	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	156-60-5	trans-1,2-Dichloroethene	N	0.6	ug/L	U	D	0.6		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	79-01-6	Trichloroethene	N	110	ug/L		F	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	79-01-6	Trichloroethene	N	110	ug/L		D	0.64		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	7440-61-1	Uranium	Y	31	ug/L		F	0.05		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	7440-61-1	Uranium	Y	32	ug/L		D	0.05		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-009	75-01-4	Vinyl chloride	N	0.4	ug/L	U	F	0.4		FQ	G	STD
99305	WL	5/14/2019	RFS01-10.1905015-017	75-01-4	Vinyl chloride	N	0.4	ug/L	U	D	0.4		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	156-59-2	cis-1,2-Dichloroethene	N	0.86	ug/L	J	F	0.15		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.2	mg/L	B	F	0.019		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	79-01-6	Trichloroethene	N	9.1	ug/L		F	0.16		FQ	G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
99405	WL	5/14/2019	RFS01-10.1905015-010	7440-61-1	Uranium	Y	360	ug/L		F	0.05		FQ	G	STD
99405	WL	5/14/2019	RFS01-10.1905015-010	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	NO3-NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.5	mg/L	B	F	0.019		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	7440-61-1	Uranium	Y	110	ug/L		F	0.05		FQ	G	STD
B206989	WL	4/18/2019	RFS01-10.1904011-021	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
GS05	SL	4/2/2019	RFS01-02.1904013-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-38-2	Arsenic	N	0.33	ug/L	U	F	0.33		J	C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-41-7	Beryllium	N	0.11	ug/L	J	F	0.08		U	C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-42-8	Boron	N	13	ug/L	U	F	4.4			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-50-8	Copper	Y	2	ug/L	U	F	0.56		J	C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-02-0	Nickel	Y	1.4	ug/L	J	F	0.3			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-22-4	Silver	Y	0.033	ug/L	U W	F	0.033			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-61-1	Uranium	N	0.7	ug/L		F	0.05			C	STD
GS05	SL	4/9/2019	RFS01-02.1905014-001	7440-66-6	Zinc	Y	2.2	ug/L	J	F	2			C	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS05	SL	5/3/2019	RFS01-01.1905015-003	7440-38-2	Arsenic	N	2.23	ug/L	B	F	2			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-003	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-003	7440-42-8	Boron	N	21.4	ug/L		F	5.2			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-003	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7440-50-8	Copper	Y	2.48	ug/L	B	F	0.3			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7439-92-1	Lead	Y	0.65	ug/L	B	F	0.5			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7440-02-0	Nickel	Y	1.51	ug/L	B	F	0.6			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-003	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-003	7440-61-1	Uranium	N	0.728	ug/L	B	F	0.067			C	GEN
GS05	SL	5/3/2019	RFS01-01.1905015-002	7440-66-6	Zinc	Y	4.44	ug/L	B	F	3.3			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7440-38-2	Arsenic	N	2	ug/L	U	F	2			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7440-42-8	Boron	N	18.5	ug/L		F	5.2			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7440-50-8	Copper	Y	2.34	ug/L	B	F	0.3			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7440-02-0	Nickel	Y	1.12	ug/L	B	F	0.6			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-003	7440-61-1	Uranium	N	0.698	ug/L	B	F	0.067			C	GEN
GS05	SL	5/13/2019	RFS01-01.1905016-002	7440-66-6	Zinc	Y	7.41	ug/L	B	F	3.3		U	C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7440-38-2	Arsenic	N	3.3	ug/L	B	F	2		U	C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7440-42-8	Boron	N	21.6	ug/L		F	5.2			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7440-50-8	Copper	Y	2.6	ug/L	B	F	0.3			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7440-02-0	Nickel	Y	1.3	ug/L	B	F	0.6			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-003	7440-61-1	Uranium	N	0.566	ug/L	B	F	0.067			C	GEN
GS05	SL	5/24/2019	RFS01-01.1906018-002	7440-66-6	Zinc	Y	8.99	ug/L	B	F	3.3		U	C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7440-38-2	Arsenic	N	2	ug/L	U	F	2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7440-38-2	Arsenic	N	2	ug/L	U	D	2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7440-41-7	Beryllium	N	0.2	ug/L	U	D	0.2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7440-42-8	Boron	N	26.5	ug/L		F	5.2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7440-42-8	Boron	N	26	ug/L		D	5.2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	D	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7440-47-3	Chromium	N	3	ug/L	U	D	3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7440-50-8	Copper	Y	1.93	ug/L	B	F	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7440-50-8	Copper	Y	1.92	ug/L	B	D	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7439-92-1	Lead	Y	0.5	ug/L	U	D	0.5			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7440-02-0	Nickel	Y	1.19	ug/L	B	F	0.6			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7440-02-0	Nickel	Y	1.1	ug/L	B	D	0.6			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7782-49-2	Selenium	N	2	ug/L	U	D	2			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7440-22-4	Silver	Y	0.3	ug/L	U	D	0.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-003	7440-61-1	Uranium	N	0.768	ug/L	B	F	0.067			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-008	7440-61-1	Uranium	N	0.78	ug/L	B	D	0.067			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-002	7440-66-6	Zinc	Y	3.3	ug/L	U	F	3.3			C	GEN
GS05	SL	6/6/2019	RFS01-01.1907019-007	7440-66-6	Zinc	Y	3.3	ug/L	U	D	3.3			C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	14596-10-2	Americium-241	N	0.00435	pCi/L	U	F		0.0226		C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	PU-239,240	Plutonium-239, 240	N	-0.00278	pCi/L	U	F		0.00667		C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	4/25/2019	RFS01-13.1905016-001	7440-61-1	Uranium	N	18.4	ug/L		F	0.067			C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	14596-10-2	Americium-241	N	0.00365	pCi/L	U	F		0.00717		C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	PU-239,240	Plutonium-239, 240	N	-0.0019	pCi/L	U	F		0.0112		C	GEN
GS10	SL	5/13/2019	RFS01-13.1905017-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS10	SL	5/13/2019	RFS01-13.1905017-001	7440-61-1	Uranium	N	14.5	ug/L		F	0.067			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	14596-10-2	Americium-241	N	0.0195	pCi/L	U	F		0.0159		C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	14596-10-2	Americium-241	N	0.0165	pCi/L	U	D		0.0295		C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	7440-41-7	Beryllium	N	1	ug/L	U	D	1			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	7440-43-9	Cadmium	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	7440-47-3	Chromium	N	1	ug/L	U	D	1			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	PU-239,240	Plutonium-239, 240	N	-0.00783	pCi/L	U	F		0.0163		C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	PU-239,240	Plutonium-239, 240	N	0.033	pCi/L	U	D		0.0282		C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	7440-22-4	Silver	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-001	7440-61-1	Uranium	N	10.2	ug/L		F	0.067			C	GEN
GS10	SL	5/24/2019	RFS01-13.1906018-005	7440-61-1	Uranium	N	9.35	ug/L		D	0.067			C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	14596-10-2	Americium-241	N	0.00213	pCi/L	U	F		0.00932		C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	PU-239,240	Plutonium-239, 240	N	0.0101	pCi/L	U	F		0.0115		C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	5/29/2019	RFS01-13.1906019-001	7440-61-1	Uranium	N	11.1	ug/L		F	0.067			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	14596-10-2	Americium-241	N	0.0231	pCi/L	U	D		0.0252		C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	14596-10-2	Americium-241	N	0.0109	pCi/L	U	F		0.0266		C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	7440-41-7	Beryllium	N	1	ug/L	U	D	1			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	7440-43-9	Cadmium	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	7440-47-3	Chromium	N	1	ug/L	U	D	1			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	PU-239,240	Plutonium-239, 240	N	0.00435	pCi/L	U	D		0.00854		C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	PU-239,240	Plutonium-239, 240	N	0.017	pCi/L	U	F		0.0144		C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	7440-22-4	Silver	Y	0.3	ug/L	U	D	0.3			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-005	7440-61-1	Uranium	N	6.8	ug/L		D	0.067			C	GEN
GS10	SL	6/6/2019	RFS01-13.1906019-007	7440-61-1	Uranium	N	6.95	ug/L		F	0.067			C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	14596-10-2	Americium-241	N	0.00552	pCi/L	U	F		0.00766		C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	PU-239,240	Plutonium-239, 240	N	-0.00139	pCi/L	U	F		0.00471		C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/10/2019	RFS01-13.1906020-001	7440-61-1	Uranium	N	11.5	ug/L	E	F	0.067		J	C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	14596-10-2	Americium-241	N	-0.00433	pCi/L	U	F		0.0095		C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	7440-47-3	Chromium	N	1.01	ug/L	B	F	1			C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	PU-239,240	Plutonium-239, 240	N	0.00657	pCi/L	U	F		0.0129		C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/18/2019	RFS01-13.1906021-001	7440-61-1	Uranium	N	8.68	ug/L	E	F	0.067		J	C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	14596-10-2	Americium-241	N	0.00303	pCi/L	U	F		0.023		C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	PU-239,240	Plutonium-239, 240	N	-0.0126	pCi/L	U	F		0.0131		C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	6/25/2019	RFS01-13.1907023-001	7440-61-1	Uranium	N	4.72	ug/L		F	0.067			C	GEN
GS13	SL	4/8/2019	RFS01-04.1904020-007	7440-61-1	Uranium	N	7.68	ug/L		F	0.067			C	GEN
GS13	SL	4/15/2019	RFS01-04.1904019-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	4.7	mg/L	B	F	0.019			G	STD
GS13	SL	4/18/2019	RFS01-02.1905014-004	7440-61-1	Uranium	N	4.9	ug/L		F	0.05			C	STD
GS13	SL	5/1/2019	RFS01-06.1905018-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.2	mg/L	B	F	0.019			G	STD
GS13	SL	5/1/2019	RFS01-01.1905015-001	7440-61-1	Uranium	N	6.46	ug/L		F	0.067			C	GEN
GS13	SL	5/1/2019	RFS01-01.1905015-007	7440-61-1	Uranium	N	6.18	ug/L		D	0.067			C	GEN
GS13	SL	5/13/2019	RFS01-01.1905016-001	7440-61-1	Uranium	N	5.59	ug/L		F	0.067			C	GEN
GS13	SL	5/15/2019	RFS01-04.1905021-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.1	mg/L	B	F	0.019			G	STD
GS13	SL	5/24/2019	RFS01-01.1906017-001	7440-61-1	Uranium	N	3.75	ug/L		F	0.067			C	GEN
GS13	SL	5/29/2019	RFS01-01.1906018-001	7440-61-1	Uranium	N	5.23	ug/L		F	0.067			C	GEN
GS13	SL	5/30/2019	RFS01-06.1905019-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.4	mg/L	B	F	0.019			G	STD
GS13	SL	6/6/2019	RFS01-13.1906022-001	7440-61-1	Uranium	N	7.05	ug/L		F	0.067			C	GEN
GS13	SL	6/13/2019	RFS01-04.1906022-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	2.3	mg/L		F	0.019			G	STD
GS13	SL	6/25/2019	RFS01-01.1907019-001	7440-61-1	Uranium	N	3.72	ug/L		F	0.067			C	GEN
GS13	SL	6/26/2019	RFS01-06.1906020-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	3.7	mg/L		F	0.019			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS59	SL	4/2/2019	RFS01-02.1904013-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
GS59	SL	4/2/2019	RFS01-02.1904013-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
GS59	SL	5/3/2019	RFS01-01.1905015-005	7440-38-2	Arsenic	N	2.57	ug/L	B	F	2			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-005	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-005	7440-42-8	Boron	N	19.4	ug/L	U	F	5.2			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-005	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7440-50-8	Copper	Y	2.06	ug/L	B	F	0.3			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7440-02-0	Nickel	Y	0.948	ug/L	B	F	0.6			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-005	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-005	7440-61-1	Uranium	N	1.31	ug/L	B	F	0.067			C	GEN
GS59	SL	5/3/2019	RFS01-01.1905015-004	7440-66-6	Zinc	Y	3.3	ug/L	U	F	3.3			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7440-38-2	Arsenic	N	2.13	ug/L	B	F	2			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7440-42-8	Boron	N	18.6	ug/L	U	F	5.2			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7440-50-8	Copper	Y	1.43	ug/L	B	F	0.3			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7440-02-0	Nickel	Y	0.936	ug/L	B	F	0.6			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-005	7440-61-1	Uranium	N	1.16	ug/L	B	F	0.067			C	GEN
GS59	SL	5/13/2019	RFS01-01.1905016-004	7440-66-6	Zinc	Y	6.25	ug/L	B	F	3.3		U	C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7440-38-2	Arsenic	N	3.66	ug/L	B	F	2		U	C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7440-42-8	Boron	N	22	ug/L	U	F	5.2			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7440-50-8	Copper	Y	1.59	ug/L	B	F	0.3			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7440-02-0	Nickel	Y	1.2	ug/L	B	F	0.6			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-005	7440-61-1	Uranium	N	1.25	ug/L	B	F	0.067			C	GEN
GS59	SL	5/24/2019	RFS01-01.1906018-004	7440-66-6	Zinc	Y	9.03	ug/L	B	F	3.3		U	C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7440-38-2	Arsenic	N	2.32	ug/L	B	F	2			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7440-42-8	Boron	N	31.1	ug/L	U	F	5.2			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-004	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7440-47-3	Chromium	N	3	ug/L	U	F	3			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-004	7440-50-8	Copper	Y	2.73	ug/L	B	F	0.3			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-004	7439-92-1	Lead	Y	1.22	ug/L	B	F	0.5			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-004	7440-02-0	Nickel	Y	2.37	ug/L	B	F	0.6			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7782-49-2	Selenium	N	2	ug/L	U	F	2			C	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS59	SL	6/6/2019	RFS01-01.1907019-004	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-005	7440-61-1	Uranium	N	1.63	ug/L	B	F	0.067			C	GEN
GS59	SL	6/6/2019	RFS01-01.1907019-004	7440-66-6	Zinc	Y	16.5	ug/L	B	F	3.3		U	C	GEN
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	71-55-6	1,1,1-Trichloroethane	N	160	ug/L		F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	79-34-5	1,1,2,2-Tetrachloroethane	N	11	ug/L	U	F	11			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	79-00-5	1,1,2-Trichloroethane	N	14	ug/L	U	F	14			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	75-35-4	1,1-Dichloroethene	N	27	ug/L	J	F	12			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	120-82-1	1,2,4-Trichlorobenzene	N	11	ug/L	U	F	11			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	95-50-1	1,2-Dichlorobenzene	N	7.5	ug/L	U	F	7.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	107-06-2	1,2-Dichloroethane	N	6.5	ug/L	U	F	6.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	78-87-5	1,2-Dichloropropane	N	9	ug/L	U	F	9			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	541-73-1	1,3-Dichlorobenzene	N	6.5	ug/L	U	F	6.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	106-46-7	1,4-Dichlorobenzene	N	8	ug/L	U	F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	71-43-2	Benzene	N	8	ug/L	U	F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	75-25-2	Bromoform	N	23	ug/L	U	F	23			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	56-23-5	Carbon tetrachloride	N	71	ug/L		F	9.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	108-90-7	Chlorobenzene	N	8.5	ug/L	U	F	8.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	67-66-3	Chloroform	N	29	ug/L	J	F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	74-87-3	Chloromethane	N	15	ug/L	U	F	15			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	156-59-2	cis-1,2-Dichloroethene	N	600	ug/L		F	7.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	100-41-4	Ethylbenzene	N	8	ug/L	U	F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	87-68-3	Hexachlorobutadiene	N	18	ug/L	U	F	18			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	75-09-2	Methylene chloride	N	47	ug/L	U	F	47			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	91-20-3	Naphthalene	N	11	ug/L	U	F	11			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	100-42-5	Styrene	N	18	ug/L		F	18			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	127-18-4	Tetrachloroethene	N	990	ug/L		F	10			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	108-88-3	Toluene	N	8.5	ug/L	U	F	8.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	1330-20-7	Total Xylenes	N	9.5	ug/L	U	F	9.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	156-60-5	trans-1,2-Dichloroethene	N	7.5	ug/L	U	F	7.5			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	79-01-6	Trichloroethene	N	2000	ug/L		F	8			G	STD
MOUND R1-0	TS	5/3/2019	RFS01-10.1905013-012	75-01-4	Vinyl chloride	N	29	ug/L	J	F	5			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	67-66-3	Chloroform	N	0.17	ug/L	J	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	156-59-2	cis-1,2-Dichloroethene	N	0.19	ug/L	J	F	0.15			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	79-01-6	Trichloroethene	N	0.95	ug/L	J	F	0.16			G	STD
MSETEF	TS	5/2/2019	RFS01-10.1905013-013	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	71-55-6	1,1,1-Trichloroethane	N	95	ug/L		F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	79-34-5	1,1,2,2-Tetrachloroethane	N	11	ug/L	U	F	11			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	79-00-5	1,1,2-Trichloroethane	N	14	ug/L	U	F	14			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	75-35-4	1,1-Dichloroethene	N	13	ug/L	J	F	12			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	120-82-1	1,2,4-Trichlorobenzene	N	11	ug/L	U	F	11			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	95-50-1	1,2-Dichlorobenzene	N	7.5	ug/L	U	F	7.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	107-06-2	1,2-Dichloroethane	N	6.5	ug/L	U	F	6.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	78-87-5	1,2-Dichloropropane	N	9	ug/L	U	F	9			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	541-73-1	1,3-Dichlorobenzene	N	6.5	ug/L	U	F	6.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	106-46-7	1,4-Dichlorobenzene	N	8	ug/L	U	F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	71-43-2	Benzene	N	8	ug/L	U	F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	75-25-2	Bromoform	N	23	ug/L	U	F	23			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	56-23-5	Carbon tetrachloride	N	76	ug/L		F	9.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	108-90-7	Chlorobenzene	N	8.5	ug/L	U	F	8.5			G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	67-66-3	Chloroform	N	53	ug/L		F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	74-87-3	Chloromethane	N	15	ug/L	U	F	15			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	156-59-2	cis-1,2-Dichloroethene	N	260	ug/L		F	7.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	100-41-4	Ethylbenzene	N	8	ug/L	U	F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	87-68-3	Hexachlorobutadiene	N	18	ug/L	U	F	18			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	75-09-2	Methylene chloride	N	47	ug/L	U	F	47			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	91-20-3	Naphthalene	N	11	ug/L	U	F	11			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	100-42-5	Styrene	N	18	ug/L	U	F	18			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	127-18-4	Tetrachloroethene	N	680	ug/L		F	10			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	108-88-3	Toluene	N	8.5	ug/L	U	F	8.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	1330-20-7	Total Xylenes	N	9.5	ug/L	U	F	9.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	156-60-5	trans-1,2-Dichloroethene	N	7.5	ug/L	U	F	7.5			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	79-01-6	Trichloroethene	N	1700	ug/L		F	8			G	STD
MSETINF	TS	5/2/2019	RFS01-10.1905013-014	75-01-4	Vinyl chloride	N	5	ug/L	U	F	5			G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	250	mg/L	B	F	1.9		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	7440-61-1	Uranium	Y	26	ug/L	U	F	0.05		FQ	G	STD
P210089	WL	5/15/2019	RFS01-10.1905015-012	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U H	F	0.21		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U H	F	0.27		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U H	F	0.23		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U H	F	0.21		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U H	F	0.13		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U H	F	0.18		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U H	F	0.13		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	91-58-7	2-Chloronaphthalene	N	0.35	ug/L	U	F	0.35		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	120-12-7	Anthracene	N	0.015	ug/L	U	F	0.015		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	71-43-2	Benzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	50-32-8	Benzo(a)pyrene	N	0.0055	ug/L	U	F	0.0055		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	191-24-2	Benzo(g,h,i)Perylene	N	0.0087	ug/L	U	F	0.0087		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	108-60-1	Bis(2-chloroisopropyl) ether	N	0.37	ug/L	U	F	0.37		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.74	ug/L	U	F	0.74		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	75-25-2	Bromoform	N	0.46	ug/L	U H	F	0.46		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U H	F	0.19		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	108-90-7	Chlorobenzene	N	0.17	ug/L	U H	F	0.17		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	67-66-3	Chloroform	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	74-87-3	Chloromethane	N	0.3	ug/L	U H	F	0.3		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	218-01-9	Chrysene	N	0.013	ug/L	U	F	0.013		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	53-70-3	Dibenz(a,h)anthracene	N	0.0051	ug/L	U	F	0.0051		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	84-66-2	Diethyl phthalate	N	0.5	ug/L	U	F	0.5		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	131-11-3	Dimethyl phthalate	N	0.28	ug/L	U	F	0.28		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	84-74-2	Di-n-butyl phthalate	N	1.5	ug/L	U	F	1.5		FQ	G	STD

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RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
P416589	WL	4/15/2019	RFS01-10.1904011-013	100-41-4	Ethylbenzene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	206-44-0	Fluoranthene	N	0.037	ug/L	U	F	0.037		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	86-73-7	Fluorene	N	0.02	ug/L	U	F	0.02		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U H	F	0.36		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	67-72-1	Hexachloroethane	N	1.3	ug/L	U	F	1.3		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	78-59-1	Isophorone	N	0.28	ug/L	U	F	0.28		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	75-09-2	Methylene chloride	N	0.94	ug/L	U H	F	0.94		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	91-20-3	Naphthalene	N	0.0057	ug/L	U	F	0.0057		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-014	129-00-0	Pyrene	N	0.0086	ug/L	U	F	0.0086		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	100-42-5	Styrene	N	0.36	ug/L	U H	F	0.36		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	127-18-4	Tetrachloroethene	N	0.2	ug/L	U H	F	0.2		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	108-88-3	Toluene	N	0.17	ug/L	U H	F	0.17		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	1330-20-7	Total Xylenes	N	0.19	ug/L	U H	F	0.19		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U H	F	0.15		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	79-01-6	Trichloroethene	N	0.16	ug/L	U H	F	0.16		FQ	G	STD
P416589	WL	4/15/2019	RFS01-10.1904011-013	75-01-4	Vinyl chloride	N	0.1	ug/L	U H	F	0.1		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-42-8	Boron	Y	8.4	ug/L	J	F	4.4		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-47-3	Chromium	Y	0.52	ug/L	J	F	0.5		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-50-8	Copper	Y	0.83	ug/L	J B	F	0.56		FQU	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-02-0	Nickel	Y	8.5	ug/L		F	0.3		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FJQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-22-4	Silver	Y	0.27	ug/L	J	F	0.033		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-61-1	Uranium	Y	1.7	ug/L	J	F	0.05		FQ	G	STD
P416589	WL	4/17/2019	RFS01-10.1904011-022	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	95-50-1	1,2-Dichlorobenzene	N	0.28	ug/L	J	F	0.15			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	541-73-1	1,3-Dichlorobenzene	N	0.3	ug/L	J	F	0.13			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	106-46-7	1,4-Dichlorobenzene	N	0.41	ug/L	J	F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7440-38-2	Arsenic	N	6	ug/L		F	0.33			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	71-43-2	Benzene	N	2.3	ug/L		F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7440-41-7	Beryllium	N	0.17	ug/L	J	F	0.08		U	G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7440-42-8	Boron	N	1500	ug/L	B	F	4.4			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	108-90-7	Chlorobenzene	N	0.77	ug/L	J	F	0.17			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7440-47-3	Chromium	N	1.1	ug/L	J	F	0.5			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	91-20-3	Naphthalene	N	27	ug/L	U	F	0.22			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7440-02-0	Nickel	Y	7	ug/L		F	0.3			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	1330-20-7	Total Xylenes	N	1.4	ug/L	J	F	0.19			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-004	7440-61-1	Uranium	N	0.29	ug/L	U	F	0.05		U	G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
PLFSEEPINF	TS	4/2/2019	RFS01-02.1904013-003	7440-66-6	Zinc	Y	95	ug/L		F	2			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	83-32-9	Acenaphthene	N	1.4	ug/L		F	0.01			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	120-12-7	Anthracene	N	0.32	ug/L		F	0.014			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7440-38-2	Arsenic	N	8.2	ug/L		F	0.33			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	71-43-2	Benzene	N	0.56	ug/L	J	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7440-41-7	Beryllium	N	0.11	ug/L	J	F	0.08		U	G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.54	ug/L	U	F	0.54			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7440-42-8	Boron	N	930	ug/L	B	F	4.4			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	108-90-7	Chlorobenzene	N	0.19	ug/L	J	F	0.17			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7440-47-3	Chromium	N	0.77	ug/L	J	F	0.5			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	206-44-0	Fluoranthene	N	0.28	ug/L		F	0.033			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	86-73-7	Fluorene	N	1.1	ug/L		F	0.018			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	67-72-1	Hexachloroethane	N	0.94	ug/L	U	F	0.94			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	91-20-3	Naphthalene	N	2.7	ug/L		F	0.0051			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7440-02-0	Nickel	Y	5.7	ug/L		F	0.3			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-007	129-00-0	Pyrene	N	0.19	ug/L		F	0.0077			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	1330-20-7	Total Xylenes	N	1.2	ug/L	J	F	0.19			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-006	7440-61-1	Uranium	N	1.3	ug/L		F	0.05			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	75-01-4	Vinyl chloride	N	0.15	ug/L	J	F	0.1			G	STD
PLFSYSEFF	TS	4/2/2019	RFS01-02.1904013-005	7440-66-6	Zinc	Y	52	ug/L		F	2			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD

Appendix B
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RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION	COLLECTION METHOD	LAB CODE
POM2	SL	5/2/2019	RFS01-10.1905013-015	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	79-01-6	Trichloroethene	N	0.21	ug/L	J	F	0.16			G	STD
POM2	SL	5/2/2019	RFS01-10.1905013-015	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
SPIN	TS	4/15/2019	RFS01-04.1904019-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	580	mg/L	B	F	1.9			G	STD
SPIN	TS	4/15/2019	RFS01-04.1904019-005	7440-61-1	Uranium	N	79	ug/L		F	0.05			G	STD
SPIN	TS	5/1/2019	RFS01-06.1905018-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	590	mg/L		F	1.9			G	STD
SPIN	TS	5/1/2019	RFS01-06.1905018-006	7440-61-1	Uranium	N	77	ug/L		F	0.05			G	STD
SPIN	TS	5/15/2019	RFS01-04.1905021-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	630	mg/L	B	F	1.9			G	STD
SPIN	TS	5/15/2019	RFS01-04.1905021-005	7440-61-1	Uranium	N	80	ug/L		F	0.05			G	STD
SPIN	TS	5/30/2019	RFS01-06.1905019-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	370	mg/L	B	F	1.9			G	STD
SPIN	TS	5/30/2019	RFS01-06.1905019-006	7440-61-1	Uranium	N	61	ug/L		F	0.05			G	STD
SPIN	TS	6/13/2019	RFS01-04.1906022-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	580	mg/L		F	1.9			G	STD
SPIN	TS	6/13/2019	RFS01-04.1906022-005	7440-61-1	Uranium	N	85	ug/L		F	0.4			G	STD
SPIN	TS	6/26/2019	RFS01-06.1906020-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	520	mg/L		F	1.9			G	STD
SPIN	TS	6/26/2019	RFS01-06.1906020-006	7440-61-1	Uranium	N	78	ug/L		F	0.05			G	STD
SPOUT	TS	4/15/2019	RFS01-04.1904019-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	15	mg/L	B	F	0.038			G	STD
SPOUT	TS	4/15/2019	RFS01-04.1904019-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	14	mg/L	B	D	0.038			G	STD
SPOUT	TS	4/15/2019	RFS01-04.1904019-006	7440-61-1	Uranium	N	62	ug/L		F	0.05			G	STD
SPOUT	TS	4/15/2019	RFS01-04.1904019-015	7440-61-1	Uranium	N	66	ug/L		D	0.05			G	STD
SPOUT	TS	5/1/2019	RFS01-06.1905018-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	18	mg/L	B	F	0.038			G	STD
SPOUT	TS	5/1/2019	RFS01-06.1905018-007	7440-61-1	Uranium	N	51	ug/L		F	0.05			G	STD
SPOUT	TS	5/15/2019	RFS01-04.1905021-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.12	mg/L	B	F	0.019		U	G	STD
SPOUT	TS	5/15/2019	RFS01-04.1905021-006	7440-61-1	Uranium	N	35	ug/L		F	0.05			G	STD
SPOUT	TS	5/30/2019	RFS01-06.1905019-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.08	mg/L	B	F	0.019		U	G	STD
SPOUT	TS	5/30/2019	RFS01-06.1905019-007	7440-61-1	Uranium	N	19	ug/L		F	0.05			G	STD
SPOUT	TS	6/13/2019	RFS01-04.1906022-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.021	mg/L	J	F	0.019			G	STD
SPOUT	TS	6/13/2019	RFS01-04.1906022-006	7440-61-1	Uranium	N	65	ug/L		F	0.4			G	STD
SPOUT	TS	6/26/2019	RFS01-06.1906020-007	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	1.6	mg/L		F	0.019			G	STD
SPOUT	TS	6/26/2019	RFS01-06.1906020-007	7440-61-1	Uranium	N	54	ug/L		F	0.05			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	D	0.21			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	D	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	D	0.13			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	D	0.18			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	D	0.13			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	71-43-2	Benzene	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	75-25-2	Bromoform	N	0.46	ug/L	U	D	0.46			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	D	0.19			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	108-90-7	Chlorobenzene	N	0.17	ug/L	U	D	0.17			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	67-66-3	Chloroform	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	74-87-3	Chloromethane	N	0.3	ug/L	U	D	0.3			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	100-41-4	Ethylbenzene	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW018	SL	4/26/2019	RFS01-10.1904012-015	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	D	0.36			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	91-20-3	Naphthalene	N	0.22	ug/L	U	D	0.22			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	D	0.2			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	108-88-3	Toluene	N	0.17	ug/L	U	D	0.17			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	1330-20-7	Total Xylenes	N	0.19	ug/L	U	D	0.19			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	79-01-6	Trichloroethene	N	0.16	ug/L	U	D	0.16			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
SW018	SL	4/26/2019	RFS01-10.1904012-015	75-01-4	Vinyl chloride	N	0.1	ug/L	U	D	0.1			G	STD
SW093	SL	4/25/2019	RFS01-01.1905015-006	14596-10-2	Americium-241	N	0.00767	pCi/L	U	F		0.0194		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	7440-47-3	Chromium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	PU-239,240	Plutonium-239, 240	N	0.00745	pCi/L	U	F		0.00694		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	4/25/2019	RFS01-01.1905015-006	7440-61-1	Uranium	N	3.5	ug/L	U	F		0.067		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	14596-10-2	Americium-241	N	0.00183	pCi/L	U	F		0.013		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	7440-47-3	Chromium	N	1.04	ug/L	B	F		1		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	PU-239,240	Plutonium-239, 240	N	0.00916	pCi/L	U	F		0.00953		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/13/2019	RFS01-01.1905016-006	7440-61-1	Uranium	N	4.23	ug/L	U	F		0.067		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	14596-10-2	Americium-241	N	0.0165	pCi/L	U	F		0.0253		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	7440-47-3	Chromium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	PU-239,240	Plutonium-239, 240	N	0.00164	pCi/L	U	F		0.0133		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/24/2019	RFS01-01.1906017-006	7440-61-1	Uranium	N	3.3	ug/L	U	F		0.067		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	14596-10-2	Americium-241	N	0.00739	pCi/L	U	F		0.0108		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	7440-47-3	Chromium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	PU-239,240	Plutonium-239, 240	N	-1.86E-09	pCi/L	U	F		0.0137		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	5/29/2019	RFS01-01.1906018-006	7440-61-1	Uranium	N	4.31	ug/L	U	F		0.067		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	14596-10-2	Americium-241	N	-0.0125	pCi/L	U	F		0.0174		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	7440-47-3	Chromium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	PU-239,240	Plutonium-239, 240	N	0.00713	pCi/L	U	F		0.0111		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/6/2019	RFS01-01.1906018-007	7440-61-1	Uranium	N	2.54	ug/L	U	F		0.067		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	14596-10-2	Americium-241	N	0.00697	pCi/L	U	F		0.0079		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	7440-47-3	Chromium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	PU-239,240	Plutonium-239, 240	N	0.00195	pCi/L	U	F		0.0115		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/10/2019	RFS01-13.1906022-006	7440-61-1	Uranium	N	5.74	ug/L	U	F		0.067		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	14596-10-2	Americium-241	N	-0.00776	pCi/L	U	F		0.0132		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	14596-10-2	Americium-241	N	0.00741	pCi/L	U	D		0.0175		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	7440-41-7	Beryllium	N	1	ug/L	U	D		1		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	7440-43-9	Cadmium	Y	0.3	ug/L	U	D		0.3		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	7440-47-3	Chromium	N	2.53	ug/L	B	F		1		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	7440-47-3	Chromium	N	2.22	ug/L	B	D		1		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	PU-239,240	Plutonium-239, 240	N	0.0162	pCi/L	U	F		0.0169		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	PU-239,240	Plutonium-239, 240	N	0.00273	pCi/L	U	D		0.0136		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3		C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	7440-22-4	Silver	Y	0.3	ug/L	U	D		0.3		C	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW093	SL	6/25/2019	RFS01-01.1907019-006	7440-61-1	Uranium	N	2.49	ug/L		F	0.067			C	GEN
SW093	SL	6/25/2019	RFS01-01.1907019-009	7440-61-1	Uranium	N	2.44	ug/L		D	0.067			C	GEN
SW10200	SL	5/2/2019	RFS01-10.1905013-016	71-55-6	1,1,1-Trichloroethane	N	29	ug/L		F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	79-34-5	1,1,2,2-Tetrachloroethane	N	2.1	ug/L	U	F	2.1		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	79-00-5	1,1,2-Trichloroethane	N	2.7	ug/L	U	F	2.7		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	75-35-4	1,1-Dichloroethene	N	3.1	ug/L	J	F	2.3		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	120-82-1	1,2,4-Trichlorobenzene	N	2.1	ug/L	U	F	2.1		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	95-50-1	1,2-Dichlorobenzene	N	1.5	ug/L	U	F	1.5		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	107-06-2	1,2-Dichloroethane	N	1.3	ug/L	U	F	1.3		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	78-87-5	1,2-Dichloropropane	N	1.8	ug/L	U	F	1.8		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	541-73-1	1,3-Dichlorobenzene	N	1.3	ug/L	U	F	1.3		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	106-46-7	1,4-Dichlorobenzene	N	1.6	ug/L	U	F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	71-43-2	Benzene	N	1.6	ug/L	U	F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	75-25-2	Bromoform	N	4.6	ug/L	U	F	4.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	56-23-5	Carbon tetrachloride	N	1.9	ug/L	U	F	1.9		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	108-90-7	Chlorobenzene	N	1.7	ug/L	U	F	1.7		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	67-66-3	Chloroform	N	2.2	ug/L	J	F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	74-87-3	Chloromethane	N	3	ug/L	U	F	3		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	156-59-2	cis-1,2-Dichloroethene	N	260	ug/L		F	1.5		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	100-41-4	Ethylbenzene	N	1.6	ug/L	U	F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	87-68-3	Hexachlorobutadiene	N	3.6	ug/L	U	F	3.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	75-09-2	Methylene chloride	N	9.4	ug/L	U	F	9.4		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	91-20-3	Naphthalene	N	2.2	ug/L	U	F	2.2		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	100-42-5	Styrene	N	3.6	ug/L	U	F	3.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	127-18-4	Tetrachloroethene	N	53	ug/L		F	2		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	108-88-3	Toluene	N	1.7	ug/L	U	F	1.7		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	1330-20-7	Total Xylenes	N	1.9	ug/L	U	F	1.9		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	156-60-5	trans-1,2-Dichloroethene	N	1.9	ug/L	J	F	1.5		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	79-01-6	Trichloroethene	N	210	ug/L		F	1.6		R	G	STD
SW10200	SL	5/2/2019	RFS01-10.1905013-016	75-01-4	Vinyl chloride	N	1	ug/L	U	F	1		R	G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19			G	STD

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
SW10200	SL	6/6/2019	RFS01-10.1906017-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
SW10200	SL	6/6/2019	RFS01-10.1906017-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1			G	STD
WALPOC	SL	4/18/2019	RFS01-05.1904016-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017			G	GEN
WALPOC	SL	4/18/2019	RFS01-05.1905017-001	14596-10-2	Americium-241	N	0.0135	pCi/L	U	F		0.0147		C	GEN
WALPOC	SL	4/18/2019	RFS01-05.1905017-001	PU-239,240	Plutonium-239, 240	N	0.01	pCi/L	U	F		0.00932		C	GEN
WALPOC	SL	4/18/2019	RFS01-05.1905017-001	7440-61-1	Uranium	N	13	ug/L	U	F	0.067			C	GEN
WALPOC	SL	5/6/2019	RFS01-05.1905017-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017			G	GEN
WALPOC	SL	5/6/2019	RFS01-13.1905016-003	14596-10-2	Americium-241	N	0.00272	pCi/L	U	F		0.0141		C	GEN
WALPOC	SL	5/6/2019	RFS01-13.1905016-003	PU-239,240	Plutonium-239, 240	N	0.00577	pCi/L	U	F		0.00981		C	GEN
WALPOC	SL	5/6/2019	RFS01-13.1905016-003	7440-61-1	Uranium	N	14.1	ug/L	U	F	0.067			C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905016-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.433	mg/L	U	F	0.017			G	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-003	14596-10-2	Americium-241	N	0.00596	pCi/L	U	F		0.017		C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-006	14596-10-2	Americium-241	N	0.00215	pCi/L	U	D		0.0152		C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-003	PU-239,240	Plutonium-239, 240	N	0.0146	pCi/L	U	F		0.0124		C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-006	PU-239,240	Plutonium-239, 240	N	0.00897	pCi/L	U	D		0.0139		C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-003	7440-61-1	Uranium	N	12.1	ug/L	U	F	0.067			C	GEN
WALPOC	SL	5/13/2019	RFS01-13.1905017-006	7440-61-1	Uranium	N	12.2	ug/L	U	D	0.067			C	GEN
WALPOC	SL	5/24/2019	RFS01-13.1905017-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.2	mg/L	U	F	0.017			G	GEN
WALPOC	SL	5/24/2019	RFS01-13.1906018-003	14596-10-2	Americium-241	N	0.0189	pCi/L	U	F		0.0132		C	GEN
WALPOC	SL	5/24/2019	RFS01-13.1906018-003	PU-239,240	Plutonium-239, 240	N	0.0224	pCi/L	U	F		0.0313		C	GEN
WALPOC	SL	5/24/2019	RFS01-13.1906018-003	7440-61-1	Uranium	N	10.8	ug/L	U	F	0.067			C	GEN
WALPOC	SL	5/29/2019	RFS01-13.1906018-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.59	mg/L	U	F	0.085		J	G	GEN
WALPOC	SL	5/29/2019	RFS01-13.1906019-003	14596-10-2	Americium-241	N	0.011	pCi/L	U	F		0.0135		C	GEN
WALPOC	SL	5/29/2019	RFS01-13.1906019-003	PU-239,240	Plutonium-239, 240	N	0.00711	pCi/L	U	F		0.0128		C	GEN
WALPOC	SL	5/29/2019	RFS01-13.1906019-003	7440-61-1	Uranium	N	9.61	ug/L	U	F	0.067			C	GEN
WALPOC	SL	6/6/2019	RFS01-13.1906019-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.132	mg/L	U	F	0.017			G	GEN
WALPOC	SL	6/6/2019	RFS01-13.1906019-009	14596-10-2	Americium-241	N	0.0046	pCi/L	U	F		0.015		C	GEN
WALPOC	SL	6/6/2019	RFS01-13.1906019-009	PU-239,240	Plutonium-239, 240	N	0.00389	pCi/L	U	F		0.0146		C	GEN
WALPOC	SL	6/6/2019	RFS01-13.1906019-009	7440-61-1	Uranium	N	8.36	ug/L	U	F	0.067			C	GEN
WALPOC	SL	6/10/2019	RFS01-13.1906019-010	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.0882	mg/L	U	F	0.017			G	GEN
WALPOC	SL	6/10/2019	RFS01-13.1906021-003	14596-10-2	Americium-241	N	-0.0103	pCi/L	U	F		0.0229		C	GEN
WALPOC	SL	6/10/2019	RFS01-13.1906021-003	PU-239,240	Plutonium-239, 240	N	0.00688	pCi/L	U	F		0.00974		C	GEN
WALPOC	SL	6/10/2019	RFS01-13.1906021-003	7440-61-1	Uranium	N	7.26	ug/L	E	F	0.067		J	C	GEN
WALPOC	SL	6/25/2019	RFS01-13.1906021-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017		J	G	GEN
WALPOC	SL	6/25/2019	RFS01-13.1907023-003	14596-10-2	Americium-241	N	0.00981	pCi/L	U	F		0.0159		C	GEN
WALPOC	SL	6/25/2019	RFS01-13.1907023-003	PU-239,240	Plutonium-239, 240	N	0.00584	pCi/L	U	F		0.0128		C	GEN
WALPOC	SL	6/25/2019	RFS01-13.1907023-003	7440-61-1	Uranium	N	5.62	ug/L	U	F	0.067			C	GEN

Appendix B
Analytical Results for Water Samples—Second Quarter CY 2019
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WOMPOC	SL	4/9/2019	RFS01-05.1904016-004	14596-10-2	Americium-241	N	-0.0226	pCi/L	U	F		0.0288		C	GEN
WOMPOC	SL	4/9/2019	RFS01-05.1904016-004	PU-239,240	Plutonium-239, 240	N	-0.013	pCi/L	U	F		0.0135		C	GEN
WOMPOC	SL	4/9/2019	RFS01-05.1904016-004	7440-61-1	Uranium	N	2.88	ug/L		F	0.067			C	GEN
WOMPOC	SL	4/18/2019	RFS01-05.1905017-004	14596-10-2	Americium-241	N	0.00729	pCi/L	U	F		0.0143		C	GEN
WOMPOC	SL	4/18/2019	RFS01-05.1905017-004	PU-239,240	Plutonium-239, 240	N	-0.00312	pCi/L	U	F		0.00967		C	GEN
WOMPOC	SL	4/18/2019	RFS01-05.1905017-004	7440-61-1	Uranium	N	3.62	ug/L		F	0.067			C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-002	14596-10-2	Americium-241	N	0.00695	pCi/L	U	F		0.0176		C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-005	14596-10-2	Americium-241	N	0.00611	pCi/L	U	D		0.0106		C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-002	PU-239,240	Plutonium-239, 240	N	0.0047	pCi/L	U	F		0.00652		C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-005	PU-239,240	Plutonium-239, 240	N	-0.00358	pCi/L	U	D		0.00701		C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-002	7440-61-1	Uranium	N	2.15	ug/L		F	0.067			C	GEN
WOMPOC	SL	5/3/2019	RFS01-13.1905016-005	7440-61-1	Uranium	N	2	ug/L		D	0.067			C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-002	14596-10-2	Americium-241	N	-3.5E-09	pCi/L	U	F		0.0168		C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-005	14596-10-2	Americium-241	N	0.00778	pCi/L	U	D		0.014		C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-002	PU-239,240	Plutonium-239, 240	N	0.00207	pCi/L	U	F		0.00909		C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-005	PU-239,240	Plutonium-239, 240	N	0.00648	pCi/L	U	D		0.0112		C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-002	7440-61-1	Uranium	N	1.91	ug/L		F	0.067			C	GEN
WOMPOC	SL	5/13/2019	RFS01-13.1905017-005	7440-61-1	Uranium	N	1.75	ug/L		D	0.067			C	GEN
WOMPOC	SL	5/24/2019	RFS01-13.1906018-002	14596-10-2	Americium-241	N	0.0113	pCi/L	U	F		0.0148		C	GEN
WOMPOC	SL	5/24/2019	RFS01-13.1906018-002	PU-239,240	Plutonium-239, 240	N	0.00929	pCi/L	U	F		0.0122		C	GEN
WOMPOC	SL	5/24/2019	RFS01-13.1906018-002	7440-61-1	Uranium	N	1.71	ug/L		F	0.067			C	GEN
WOMPOC	SL	5/29/2019	RFS01-13.1906019-002	14596-10-2	Americium-241	N	-0.0066	pCi/L	U	F		0.0112		C	GEN
WOMPOC	SL	5/29/2019	RFS01-13.1906019-002	PU-239,240	Plutonium-239, 240	N	0	pCi/L	U	F		0.0201		C	GEN
WOMPOC	SL	5/29/2019	RFS01-13.1906019-002	7440-61-1	Uranium	N	1.64	ug/L		F	0.067			C	GEN
WOMPOC	SL	6/6/2019	RFS01-13.1906019-008	14596-10-2	Americium-241	N	0.00242	pCi/L	U	F		0.0171		C	GEN
WOMPOC	SL	6/6/2019	RFS01-13.1906019-008	PU-239,240	Plutonium-239, 240	N	0.00751	pCi/L	U	F		0.0153		C	GEN
WOMPOC	SL	6/6/2019	RFS01-13.1906019-008	7440-61-1	Uranium	N	1.29	ug/L		F	0.067			C	GEN
WOMPOC	SL	6/10/2019	RFS01-13.1906021-002	14596-10-2	Americium-241	N	0.00506	pCi/L	U	F		0.00929		C	GEN
WOMPOC	SL	6/10/2019	RFS01-13.1906021-002	PU-239,240	Plutonium-239, 240	N	0	pCi/L	U	F		0.0126		C	GEN
WOMPOC	SL	6/10/2019	RFS01-13.1906021-002	7440-61-1	Uranium	N	2.45	ug/L	E	F	0.067		J	C	GEN

EXPLANATION

FILTRATION STATUS

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

UNITS

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

SAMPLE_TYPE

F = Field Sample
D = Duplicate

LIDATION_QUALIFIERS

<NULL> No qualifiers
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

COLLECTION_METHOD

G Grab
C Composite

LAB_CODE

GEN Gel Laboratories
STD Test America

Appendix B
Analytical Results for Water Samples—Second Quarter 2019
Information for RFLMA Composite Samples with Unavailable Data

Location	Sample Dates*	Status
GS51	1/3/2019 15:45 -->	In Progress
SW027	1/3/2019 16:00 -->	In Progress

Abbreviations:

* Analytical results are reported with the start date of the composite sampling period

--> Composite sample end date to be determined

NSQ: non-sufficient quantity for analysis

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