

ROCKY FLATS STEWARDSHIP COUNCIL

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(303) 412-1200

Jefferson County ~ Boulder County ~ City and County of Broomfield ~ City of Arvada ~ City of Boulder
City of Golden ~ City of Northglenn ~ City of Thornton ~ City of Westminster ~ Town of Superior
League of Women Voters ~ Rocky Flats Cold War Museum ~ Rocky Flats Homesteaders
Kim Griffiths

Board of Directors Meeting – Agenda

Monday, September 19, 2022, 8:30 – 11:15 AM

**Rocky Mountain Metropolitan Airport, Terminal Building, Mount Evans Room
11755 Airport Way, Broomfield, Colorado**

- 8:30 AM Convene/Introductions/Agenda Review
- 8:40 AM Public Comment: Comments are limited to the Consent Agenda and non-agenda items. Comments are limited to three minutes
- 8:50 AM Business Items (briefing memo attached)
1. Consent Agenda: Approve meeting minutes and checks
2. Executive Director’s Report
- 9:00 AM Host DOE Quarterly Meeting – High-Level Overview (briefing memo attached)
○ DOE will brief on site activities for the first quarter of 2022
○ DOE has posted the report on its website and for this portion of the meeting will provide a high-level summary of its activities
○ A roundtable discussion follows later in the meeting
- 9:15 AM DOE and USFWS Briefing on Multi-Purpose Building
○ DOE and USFWS will brief on their shared plan to develop a multi-purpose building on the Rocky Flats National Wildlife Refuge
○ The building will include a visitor center
- 10:00 AM 2023 Work Plan – Initial Review (briefing memo attached)
○ The Board will review and edit the draft 2023 work plan
○ Formal approval of the work plan will take place at the October 31st meeting
- 10:15 AM 2023 Budget – Initial Review (briefing memo attached)
○ The Board will review, and modify as necessary, the draft 2023 budget
○ The budget hearing and adoption of the 2023 budget will take place at the October 31st meeting
- 10:30 AM Board Roundtable – Big Picture/Additional Questions/Issue Identification

- 10:45 AM Roundtable Discussion of DOE's Quarterly Report (see 9:00 AM briefing topic memo for details)
- This portion of the meeting will allow for an in-depth discussion of DOE's Quarterly Report
 - Stewardship Council staff will facilitate the discussion

Adjourn

Upcoming Meetings:

October 31, 2022

February 6, 2023

Business Items

- June 6, 2022, draft board meeting minutes
- List of Stewardship Council checks

DOE Quarterly Report Briefing

- Cover memo
- Selection of the quarterly report

ROCKY FLATS STEWARDSHIP COUNCIL

Monday, June 6, 2022

8:30 – 11:15 AM

Virtual Meeting via WebEx

Board members in attendance: Randy Moorman (Director, Arvada), Jacob Moyer (Alternate, Arvada), Summer Laws (Alternate, Boulder County), Tara Winer (Director, City of Boulder), Taylor Reimann (First Alternate, City of Boulder), Deven Shaff (Director, Broomfield), Anne Beierle (sitting in for Bill Fisher, Golden), Pat O’Connell (Alternate, Jefferson County), Ashley Witkovich (Director, Northglenn), Shelley Stanley (Alternate, Northglenn), Mark Lacin (Director, Superior), Jan Kulmann (Director, Thornton), Caleb Owen (Alternate, Thornton), Trea Nance (Alternate, Westminster), Jeannette Hillery (Director, League of Women Voters), Linda Porter (Alternate, League of Women Voters), Roman Kohler (Director, Rocky Flats Homesteaders), Murph Widdowfield (Director, Rocky Flats Cold War Museum), Kim Griffiths (Director/Citizen)

Stewardship Council staff members and consultants in attendance: David Abelson (Executive Director), Melissa Weakley (Technical Program Manager), Barb Vander Wall (Seter & Vander Wall, P.C)

Attendees: Andy Keim (DOE-LM), Padraic Benson (DOE-LM), Cliff Carpenter (DOE-LM), Lisa Bade (RSI Entech), Harry Bolton (DOE-LM), Dana Santi (RSI Entech), John Boylan (RSI Entech), George Squibb (RSI Entech), Jody Nelson (RSI Entech), Karin McShea (RSI Entech), Ryan Wisniewski (RSI Entech), David Lucas (USFWS), Lindsey Murl (CDPHE), Lindsey Archibald (CDPHE), Jesse Aviles (EPA), Eric Barnes (Fiscal Focus Partners), Cathy Shugarts (Westminster), Alicia Doran (Jefferson County), Rachel Brenna (Jefferson County), Laura Hubbard (Broomfield), Shirley Garcia, Lynn Segal, Joan Seeman, Giselle Herzfeld, Carl Spreng

Convene/Agenda Review: Jan Kulmann convened the meeting at 8:35 am.

Public Comment: David asked for public comment.

Giselle Herzfeld: She remains concerned about ongoing contamination. She is worried about not having virtual meetings going forward. She thinks meetings should have an online option for transparency and that recordings of meetings should be posted online. She suggested that DOE could offer extra funding to make a hybrid option possible. She is also concerned that the Stewardship Council cannot give recommendations regarding Rocky Flats. She thinks the Stewardship Council should have the authority to give advice and recommendations for Rocky Flats. She feels her comments are not addressed or considered.

Lynn Segal: Lynn said she thinks there should be a virtual option for meetings going forward. She’s concerned about the Five-Year Review and no ability for actionable input from the public or the ability to give input into process.

Joan Seeman: She is interested in CDPHE and EPA oversight of DOE. She is interested in the Five-Year Review. She would like it if the public could review a draft of the document and provide comment.

Consent Agenda: The consent agenda included approval of the minutes from the April 4, 2022, meeting and checks written since that meeting.

Kim Griffiths moved to approve consent agenda. The motion was seconded by Jeannette Hillery. The motion to accept the minutes and checks passed 13-0.

Amended Meeting Resolution: David Abelson stated that we need to change the meeting resolution that was adopted at the February meeting to reflect that the June 2022 meeting was virtual, along with February and April. This resolution will supersede the prior one.

Roman Kohler moved to approve the meeting resolution. The motion was seconded by Jeannette Hillery. The motion to accept the minutes and checks passed 13-0.

Executive Director's Report: David spoke to two items.

In-Person Meetings: David said he thought the Board meeting would be in person today, but that was changed at the last minute due to increasing COVID transmissions. Staff needs to hear what the Board wants to do going forward. Boulder County never stopped being virtual, the City of Boulder went back to virtual, and other governments are meeting in person. The staff is looking to local governments for input.

DOE Quarterly Reports: David said today is the first time we are changing the quarterly report briefing to a high-level overview (two-slide presentation). Once we wrap up the meeting, we will have a community round table discussion to focus on the details of quarterly report. David is not expecting all elected officials and staff to stay on. David will facilitate the discussion and asks for patience during this first attempt.

Stewardship Council 2021 Financial Audit: David Abelson introduced a review of the Stewardship Council's 2021 audit. He explained that the Stewardship Council is not required by either state law or the DOE grant to secure an audit. However, the Board has always operated according to a belief that an independent audit is an important check that confirms both the Board and staff are managing the finances in accordance with applicable laws and regulations.

The auditor, Eric Barnes, gave an overview of the 2021 audit. Once again, the Stewardship Council received a clean report. Eric said there was appropriate supporting documentation for expenditures and revenues. He noted that the Stewardship Council is complying with all applicable laws and regulations and did not go over budget in 2021. David mentioned that the Stewardship Council over-budgets on purpose so that we do not have to do supplemental budgeting (if the Stewardship Council was going to exceed the budget, supplemental budgeting would be required).

Eric noted that the Stewardship Council receives the majority of its funding through a DOE grant, which is set to expire on February 28, 2027.

Jeannette Hillery moved to accept the Stewardship Council 2021 Financial Audit. The motion was seconded by Deven Shaff. The motion passed 14-0.

DOE Overview of Annual Report for CY 2021

George Squibb gave an overview of the CY 2021 annual report and also encouraged people to read the report if interested.

- Surface water
 - All RFLMA Point of Compliance analyte concentrations remained below reportable condition levels throughout CY 2021.

- Reportable conditions occurred at Points of Evaluation (POEs) GS10 (uranium; see CR 2021-02) and SW027 (plutonium; CR 2021-03 will be posted when final).
- Performance monitoring locations for the Original Landfill (OLF) and Present Landfill (PLF) showed acceptable water quality for all of 2021.
- Groundwater
 - Sampled all but Evaluation wells (which are sampled on even years).
 - Results generally consistent with previous data.
 - Treatment systems met applicable requirements for VOCs and nitrate; uranium treatment is subject of project launched in early 2022, expect system upgrades in 2023-2024.
- Operations and Maintenance
 - Annual site inspection completed May 24, 2021.
 - RFLMA and weather-related inspections completed, issues addressed as needed
 - OLF: Monthly inspections, issues addressed as needed, no slumping observed.
 - PLF: Quarterly inspections, no issues noted.
 - Landfill Settlement Monument surveys: Vertical settling within design limits.
 - Site erosion controls monitored and maintained.
 - Site roads regraded and dust suppressant applied to the primary routes.
 - NWCS survey: Continued monthly monitoring of survey points.
- Ecology
 - Collected vegetation, revegetation, wetland, and wildlife monitoring data.
 - Conducted management activities: revegetation, weed management.
 - Mitigation areas either continue to meet, or progress toward meeting, success criteria.

For additional details on any items noted here, please view the Rocky Flats 2021 annual report at https://lmpublicsearch.lm.doe.gov/lmsites/s38162_rfs_cy21.pdf.

David Abelson asked for questions now in advance of round table. Randy Moorman asked what a reportable condition is and what action is triggered. George Squibb replied that reportable conditions are defined in the Rocky Flats Legacy Management Agreement (RFLMA), which outlines the various post-closure requirements for Rocky Flats. Attachment 2 of the RFLMA contains the monitoring and surveillance requirements. Reportable conditions are triggered if specific measurements are exceeded. When you have a reportable condition, consultation between the three RFLMA parties (DOE, EPA, and CDPHE) is triggered. The parties look at the available data and try to understand what may have caused the reportable condition (e.g., flow conditions), assess whether the risk to the public has changed, and discuss an appropriate path forward to mitigate risk if required. Risk mitigation is not always required. Contact records describe this consultation process and results.

George said reportable conditions at Points of Compliance (POCs) are not common; they are more common at POEs. The path forward for GS10 has been determined and is being finalized for SW027. For SW027, erosion controls were added in the SW027 drainage. DOE is waiting for the contact record to determine the final actions.

Randy Moorman asked about air monitoring. George said air monitoring had not been conducted since 2007. David Abelson discussed air quality monitoring. He has heard from elected officials and community members that consistent air quality monitoring will help them address constituents' questions regarding air quality in the event of a fire. David had consistently heard that establishment of

an air quality baseline is important. The Stewardship Council is not allowed to lobby, advise, or advocate, but we can forward concerns as governments, non-governmental parties, and the public. David said he has seen a growing consensus amongst Board members regarding the value of establishing a baseline air quality with regular monitoring. He thinks there is more to discuss. He encouraged the Board to put ideas regarding air quality monitoring in writing and send them to DOE, CDPHE, and EPA.

Jeanette replied that she had consistently asked for air quality monitoring, which will help surrounding communities feel better. She wants the DOE to move forward with inclusion of air quality monitoring in regular reporting.

Meeting with CDPHE

Lindsay Murl gave an overview of CDPHE's role with Rocky Flats. CDPHE is the lead RCRA regulator.

Lindsay gave a brief timeline of Rocky Flats (1951 to 2007).

- Plutonium production from 1950s to the 1980s
- EPA/FBI raid in 1989
- Added to National Priorities List (NPL) of CERCLA (Superfund sites) in 1989
- In 1992, weapons production mission ended
- In 1996, the Rocky Flats Cleanup Agreement was signed
- In 2006, the Corrective Action Decision/Record of Decision (CAD/ROD) was finalized
 - Peripheral Operable Unit (POU) – no action, unlimited used and unrestricted exposure
 - Central Operable Unit (COU) – selected remedy is monitoring and maintenance, institutional controls, and signs
 - POU and offsite areas delisted from EPA's NPL (no restrictions in POU)
- Also in 2006, Rocky Flats Legacy Management agreement (RFLMA) signed
- In 2007, POU lands transferred to USFWS, Rocky Flats National Wildlife Refuge established.

Lindsay gave an overview of the exposure scenarios assessed in estimating risk for future users.

She described ongoing monitoring and site controls:

- Three groundwater treatment systems
 - Solar Ponds Plume Treatment System
 - Mound Site Plume Treatment System/East Trenches Plume Treatment System
 - Present Landfill Treatment System
- Groundwater and surface water monitoring sampling
- Per the CAD/ROD, air quality monitoring is no longer required
- Ecological monitoring
- Quarterly and annual reporting
- OLF and PLF inspections
- O&M activities
- Signs and institutional control monitoring
- Consultation with three RFLMA parties
- Community involvement

Lindsay gave an overview of available public health studies.

- 1990 to 1999 – Historical Public Exposure Studies for releases from 1952 to 1989 and estimated risk/dose

- 2003 – CDPHE Rocky Flats Production Worker Study
- 2005 – ATSDR Public Health Assessment
- CDPHE’s Colorado Cancer Registry, cancer incidence analyses
 - 1998 – original study (10 types of cancers tied to Pu and other contaminants)
 - 2016 – follow up to original study with 25+ years of data
 - 2017 – rare cancers and thyroid cancer supplement to study
 - 2019 – breast cancers in young women memo

Lindsay indicated these studies showed no pattern of elevated cancer found near Rocky Flats.

Lindsay said current topics of interest for CDPHE are:

- CERCLA Five-Year Review
- PFAS – emerging contaminants
- Climate change
- Grassfires
- SW027 response

Randy Moorman asked about the Five-Year Review and if that was the same Five-Year Review that was discussed in public comment. Lindsay said it was the same document. The Five-Year Review applies to the Central Operable Unit (COU), the lands DOE manages, not the Peripheral Operable Unit, the lands that comprise the Refuge. Every five years, DOE conducts a Five-Year Review to assess whether the remedy is still protective of human health and environment. Lindsay said the Five-Year Review is public record.

Kim Griffiths asked about plant uptake of contaminants and risk of exposure in the event of a fire. Lindsay said her understanding was that plutonium was not very soluble at Rocky Flats, so plant uptake was not a big exposure pathway. Jeannette Hillery said she recalled a report about plant uptake and possible release from fire. Lindsay agreed to look for more information.

Deven Shaff said he is hoping to get a copy of presentation so he can access the links. He also indicated that Broomfield is glad to see there is more discussion about other solvents and chemicals used on the site (in addition to plutonium) and possible risk from those chemicals.

Lindsay that the Five-Year Review and quarterly and annual reports are good places to look for monitoring results of other compounds, like volatile organic compounds (VOCs).

Jesse Aviles discussed the Five-Year Review process at Rocky Flats. He said the Stewardship Council does not get a draft copy of the Five-Year Review for review and comments. DOE writes the report, and EPA either concurs or does not concur with DOE’s evaluation. When the final Five-Year Review is released in August, the public can see EPA’s comments and DOE’s responses. Lindsay said that CDPHE consults on the Five-Year Review process but does not have jurisdiction over the report. David Abelson said the Stewardship County is not a party to the Five-Year Review process.

Giselle commented that she put a link in the Webex chat with a paper on plutonium uptake in plants. She wonders why the POU is not subject to Five-Year Review given the likelihood that contaminants from the COU migrate to the POU. Lindsay said that contaminants leave Rocky Flats via surface water

(groundwater discharges to surface water before leaving the site). That is why we have POCs, POEs, and sentinel groundwater wells.

Board Roundtable

Randy Moorman said he encourages a hybrid format, which the City of Arvada has been doing. David Abelson replied that the Stewardship Council does not have the infrastructure that a municipality has. To capture 15+ Board members on video can be extremely difficult. The executive committee has discussed the issue but does not have a good solution. None of governments have capacity to host such a big meeting.

Summer Laws asked if the Stewardship Council could meet at Rocky Mountain Metropolitan Airport and use their owl technology. Deven replied that it takes someone to manage video and sound for such a meeting, and he is not sure if we have someone who can do that. Summer said she would forward information to David to discuss with the executive committee.

Big Picture/Additional Questions/Issue Identification: David mentioned that new members interviews are coming up in October 2022. The Cold War Museum's seat and Kim Griffiths' seat are up for election.

September 19, 2022

Potential Business Items

- Initial review of the 2023 work plan
- Initial review of the 2023 budget

Potential Briefing Items

- DOE Quarterly Update
- Update on Multi-Purpose Facility

October 31

Potential Business Items

- Adopt 2023 work plan
- Adopt 2023 budget
- New Member Interviews

Potential Briefing Items

- DOE Quarterly Update

Roundtable Discussion of DOE's 2021 Annual Report

Shelly Stanley asked about elk possibly causing slumping near the PLF. Karin McShea said the elk have not caused problems on the PLF.

Trea asked if measures have been taken to correct the SW027 issues. George said they were applying wood straw to the ground near SW027 as an erosion control measure. He also said one of the items holding up the contact record is the area that will require application of wood straw to control erosion. They are continuing to work on that issue.

Shelly asked how they know wood straw will work. George said wood straw is used for maintenance, not as a permanent fix; that is why they have monitoring.

Shelly asked if any changes were noted in 2021 to the amount of water running offsite as compared to prior years as a result of climate change. George said that water levels are highly variable in this area, and it is hard to tease out climate change impacts specifically.

Laura Hubbard asked about the best management practice (BMP) of inspecting the surface and looking for depressions. She wondered at what point erosion or land surface changes require action as part of BMPs. Harry Bolton said that BMPs are implemented to take care of an issue before it meets the trigger point to prevent it from meeting that trigger point. BMPs are not in lieu of mandated actions.

Trea asked about the two different approaches toward handling non-detects (NDs) in sampling. John Boylan replied that they will continue to use two approaches in treatment of NDs unless they get some indication of one being better than the other. NDs are discussed in the annual report. He said there is no perfect way to deal with NDs in a long-term statistical evaluation.

Board meeting was adjourned at 11:15 am.

**Rocky Flats Stewardship Council
Check Detail 2021
May 17 through September 4, 2022**

Type	Num	Date	Name	Account	Paid Amount	Original Amount
Check		05/24/2022		CASH-Wells Fargo-Operating		-3.50
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check		06/24/2022		CASH-Wells Fargo-Operating		-3.50
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check		06/24/2022		CASH-Wells Fargo-Operating		-3.50
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check		07/26/2022		CASH-Wells Fargo-Operating		-3.50
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check	2148	06/09/2022	Century Link	CASH-Wells Fargo-Operating		-30.23
				Telecommunications	-30.23	30.23
TOTAL					-30.23	30.23
Bill Pmt -Check	2149	06/09/2022	Crescent Strategies, LLC	CASH-Wells Fargo-Operating		-8,874.90
Bill	5-31-22...	05/31/2022		Personnel - Contract	-8,525.00	8,525.00
				TRAVEL-Local	-19.89	19.89
				Postage	-17.99	17.99
				Telecommunications	-96.62	96.62
				Admin Services-Misc Services	-215.40	215.40
TOTAL					-8,874.90	8,874.90
Bill Pmt -Check	2150	06/09/2022	Jennifer A. Bohn	CASH-Wells Fargo-Operating		-510.00
Bill	22-35	05/31/2022		Accounting Fees	-510.00	510.00
TOTAL					-510.00	510.00
Bill Pmt -Check	2151	06/09/2022	Seter & Vander Wall, P.C.	CASH-Wells Fargo-Operating		-3,348.60
Bill	83876	04/30/2022		Attorney Fees	-1,919.50	1,919.50
Bill	83941	05/31/2022		Attorney Fees	-1,429.10	1,429.10
TOTAL					-3,348.60	3,348.60
Bill Pmt -Check	2152	06/09/2022	The Hartford	CASH-Wells Fargo-Operating		-500.00
Bill	115999...	05/11/2022		Insurance	-500.00	500.00
TOTAL					-500.00	500.00
Check	2153	07/06/2022	Century Link	CASH-Wells Fargo-Operating		-30.40
				Telecommunications	-30.40	30.40
TOTAL					-30.40	30.40
Bill Pmt -Check	2154	07/06/2022	Crescent Strategies, LLC	CASH-Wells Fargo-Operating		-8,659.50
Bill	6/30/22 ...	06/30/2022		Personnel - Contract	-8,525.00	8,525.00
				TRAVEL-Local	-19.89	19.89
				Postage	-17.99	17.99

Rocky Flats Stewardship Council
Check Detail 2021
 May 17 through September 4, 2022

Type	Num	Date	Name	Account	Paid Amount	Original Amount
				Telecommunications	-96.62	96.62
TOTAL					-8,659.50	8,659.50
Bill Pmt -Check	2155	07/06/2022	Jennifer A. Bohn	CASH-Wells Fargo-Operating		-370.00
Bill	22-40	06/30/2022		Accounting Fees	-370.00	370.00
TOTAL					-370.00	370.00
Check	2156	07/06/2022	VOID	CASH-Wells Fargo-Operating		0.00
TOTAL					0.00	0.00
Bill Pmt -Check	2157	07/06/2022	Energy Communities Alli...	CASH-Wells Fargo-Operating		-950.00
Bill		06/29/2022		Subscriptions/Memberships	-950.00	950.00
TOTAL					-950.00	950.00
Check	2158	08/05/2022	Century Link	CASH-Wells Fargo-Operating		-30.81
				Telecommunications	-30.81	30.81
TOTAL					-30.81	30.81
Bill Pmt -Check	2159	08/05/2022	Crescent Strategies, LLC	CASH-Wells Fargo-Operating		-9,805.70
Bill	7/31/22 ...	07/31/2022		Personnel - Contract	-8,525.00	8,525.00
				TRAVEL-Local	-19.89	19.89
				Postage	-17.99	17.99
				Telecommunications	-96.62	96.62
				Subscriptions/Memberships	-575.00	575.00
				TRAVEL-Out of State	-571.20	571.20
TOTAL					-9,805.70	9,805.70
Bill Pmt -Check	2160	08/05/2022	Jennifer A. Bohn	CASH-Wells Fargo-Operating		-220.00
Bill	22-42	07/31/2022		Accounting Fees	-220.00	220.00
TOTAL					-220.00	220.00
Bill Pmt -Check	2161	08/05/2022	Seter & Vander Wall, P.C.	CASH-Wells Fargo-Operating		-1,443.50
Bill	84102	07/01/2022		Attorney Fees	-1,443.50	1,443.50
TOTAL					-1,443.50	1,443.50

ROCKY FLATS STEWARDSHIP COUNCIL

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League of Women Voters ~ Rocky Flats Cold War Museum ~ Rocky Flats Homesteaders
Kim Griffiths

MEMORANDUM

TO: Stewardship Council Board of Directors
FROM: Melissa Weakley
SUBJECT: DOE's Quarterly Report Briefing
DATE: August 31, 2022

DOE will present an overview of remedy-related surveillance, monitoring, and maintenance activities conducted at Rocky Flats during the first quarter (January 1 to March 31) of calendar year 2022. The full report can be accessed here: https://lmpublicsearch.lm.doe.gov/lmsites/41254_rfs_1q22.pdf.

Quarterly Report Summary

- **Present Landfill (PLF):** One quarterly inspection (March 14) was conducted.
 - A few gas vent caps on the passive landfill gas venting system were reinstalled or replaced due to high winds or elk activity.
 - No other issues were identified.
- **Original Landfill (OLF):** Three monthly inspections (January 26, February 25, and March 24) were conducted.
 - No issues were observed during these inspections.
 - Seeps were either dry or consistent with previous first quarters.
 - DOE indicated it would continue RFLMA-required monthly inspections of the OLF until a reduction in inspection frequency was established through the RFLMA consultative process with appropriate agencies. (Note that the OLF is also inspected weekly as a Best Management Practice.)
- **Central Operable Unit (COU):** The COU is inspected for significant erosion annually, following major precipitation events, and quarterly as a Best Management Practice. No new erosion, subsidence, or anomalies were discovered this quarter.
- **North Walnut Creek Slump**
 - The hillside east of the Solar Ponds Plume Treatment System (SPPTS) is the site of a slump, called the North Walnut Creek Slump, that is monitored as a Best Management Practice.
 - The slump block did not move this quarter. The hillside has moved a total of 4 to 6 feet along the scarp since the hillside was regraded in 2017.

- **Groundwater Treatment Systems (East Trenches Plume Treatment System, Mound Site Plume Collection System, Solar Ponds Plume Treatment System, and Present Landfill Treatment System):** Routine maintenance of all four systems was performed. No significant issues were noted.
- **Groundwater Treatment System Monitoring**
 - Routine quarterly effluent samples were collected from the Present Landfill Treatment System on January 20.
 - The arsenic concentration for this effluent sample was 20 micrograms per liter (ug/L), above the RFLMA water quality standard of 10 ug/L. This result triggered monthly sampling for arsenic.
 - The first monthly sample was collected on February 28, 2022. The arsenic concentration was 4.1 ug/L in this sample. Because this result was below the standard, sampling frequency at the system effluent returned to quarterly.
 - All other analyte concentrations in the effluent sample were below the RFLMA standards for the quarter.
- **Groundwater Monitoring:** Ten groundwater samples were collected and analyzed (see attached Monitoring Location figure).
 - Results were generally consistent with previous data and will be evaluated as part of the annual report for 2022.
 - Monitoring results are attached to this memo for the Board's and the public's convenience and to highlight the extent of the testing program.
- **Surface Water Monitoring:** A total of 12 composite surface water samples, 7 surface water grab samples, and 15 treatment system grab samples were collected and analyzed (see attached Monitoring Location figure).
 - All analyte concentrations at RFLMA Point of Evaluation locations GS10, SW027, and SW093 remained below reportable condition levels throughout the quarter.
 - All analyte concentrations at RFLMA Point of Compliance locations WALPOC and WOMPOC also remained below reportable condition levels throughout the quarter.
 - As with groundwater monitoring results, surface water monitoring results are attached to this memo.

Attachments

Q1 2022 Report Cover Page, Table of Contents, and Abbreviations
 Rocky Flats Site Water Monitoring Locations
 Analytical Results for Water Samples

**Rocky Flats Site, Colorado,
Quarterly Report of
Site Surveillance and
Maintenance Activities
First Quarter,
Calendar Year 2022**

July 2022



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

Contents

Abbreviations	iii
Executive Summary	iv
1.0 Introduction	1
2.0 Site Operations and Maintenance.....	2
2.1 Landfills	2
2.1.1 Present Landfill.....	2
2.1.2 Original Landfill	2
2.1.2.1 Inspection Results	2
2.1.2.2 Settlement Monuments	2
2.2 COU Inspections.....	3
2.3 North Walnut Creek Slump	3
2.4 Site Roads Maintenance.....	3
2.5 Groundwater Treatment Systems.....	3
2.5.1 Mound Site Plume Collection System	4
2.5.2 East Trenches Plume Treatment System.....	4
2.5.3 Solar Ponds Plume Treatment System.....	5
2.5.4 Present Landfill Treatment System.....	6
2.6 Sign Inspection.....	6
2.7 Erosion Control and Revegetation.....	6
3.0 Environmental Monitoring	6
3.1 Water Monitoring.....	7
3.1.1 Water Monitoring Highlights.....	7
3.1.2 POC Monitoring.....	9
3.1.2.1 Monitoring Location WALPOC	9
3.1.2.2 Monitoring Location WOMPOC	12
3.1.3 POE Monitoring.....	15
3.1.3.1 Monitoring Location GS10.....	15
3.1.3.2 Monitoring Location SW027	16
3.1.3.3 Monitoring Location SW093	18
3.1.4 AOC Wells and Surface Water Support Location SW018	19
3.1.5 Sentinel Wells	19
3.1.6 Evaluation Wells.....	19
3.1.7 PLF Monitoring	19
3.1.8 OLF Monitoring.....	20
3.1.9 Groundwater Treatment System Monitoring.....	20
3.1.9.1 Mound Site Plume Collection System	20
3.1.9.2 East Trenches Plume Treatment System.....	20
3.1.9.3 Solar Ponds Plume Treatment System.....	20
3.1.9.4 Present Landfill Treatment System.....	20
3.1.10 Predischage Monitoring.....	21
4.0 Adverse Biological Conditions	21
5.0 Ecological Monitoring.....	21
6.0 References	21

Figures

Figure 1.	Rocky Flats Site Water Monitoring Locations and Precipitation Gages	8
Figure 2.	Volume-Weighted 30-Day Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2022.....	9
Figure 3.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2022	10
Figure 4.	Volume-Weighted 30-Day Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2022.....	10
Figure 5.	Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2022.....	11
Figure 6.	Volume-Weighted 30-Day Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2022.....	11
Figure 7.	Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2022.....	12
Figure 8.	Volume-Weighted 30-Day Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2022.....	13
Figure 9.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2022	13
Figure 10.	Volume-Weighted 30-Day Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2022.....	14
Figure 11.	Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2022.....	14
Figure 12.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Year Ending First Quarter 2022	15
Figure 13.	Volume-Weighted 12-Month Rolling Average Uranium Concentrations at GS10: Year Ending First Quarter 2022	16
Figure 14.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Year Ending First Quarter 2022	17
Figure 15.	Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW027: Year Ending First Quarter 2022.....	17
Figure 16.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Year Ending First Quarter 2022	18
Figure 17.	Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW093: Year Ending First Quarter 2022.....	19

Appendixes

Appendix A	Landfill Inspection Forms and Survey Data, First Quarter 2022
Appendix B	Analytical Results for Water Samples, First Quarter 2022

Abbreviations

Am	americium
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
ETPTS	East Trenches Plume Treatment System
IC	institutional control
ITS	Interceptor Trench System
LM	Office of Legacy Management
µg/L	micrograms per liter
MSPCS	Mound Site Plume Collection System
N	nitrogen
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	Rocky Flats Site Operations Guide
SPPTS	Solar Ponds Plume Treatment System

Executive Summary

This report for the first quarter (January 1–March 31) of calendar year (CY) 2022 includes information on the remedy-related surveillance, monitoring, and maintenance activities conducted at the Rocky Flats Site, Colorado, managed by the U.S. Department of Energy Office of Legacy Management. This report summarizes the maintenance and inspection of the two closed Site landfills and four groundwater collection or treatment systems, the inspection of the perimeter signs of the Central Operable Unit, erosion control and revegetation activities, and water and ecological monitoring.

The Present Landfill quarterly inspection for the first quarter of CY 2022 was conducted on March 14, 2022. A few barometric gas vent caps on the passive landfill gas venting system had to be reinstalled or replaced due to high winds or elk activity. No other issues were identified during these inspections.

The Original Landfill (OLF) monthly inspections for the first quarter were conducted on January 26, February 25, and March 24, 2022. No issues were observed during these inspections. Vegetation continues to fill in areas disturbed by the OLF Slope Stabilization Project.

Routine maintenance was performed at the Mound Site Plume Collection System, the East Trenches Plume Treatment System (ETPTS), the Solar Ponds Plume Treatment System, and the Present Landfill Treatment System during the first quarter. In addition, the ETPTS discharge gallery was replaced as part of long-term planned maintenance.

Water monitoring met the targeted monitoring objectives required by the *Rocky Flats Legacy Management Agreement* (RFLMA) (CDPHE et al. 2007). During the quarter, 12 flow-paced, composite surface water samples; 7 surface water grab samples; 15 treatment system grab samples; and 10 groundwater samples were collected in accordance with RFLMA-required protocols and were submitted for analysis.

Using the available data¹, all analyte concentrations at RFLMA Point of Evaluation (POE) locations GS10, SW027, and SW093 remained below reportable condition levels during the first quarter of CY 2022.

Using the available data², all analyte concentrations at RFLMA Point of Compliance (POC) locations WALPOC and WOMPOC also remained below reportable condition levels during the first quarter.

RFLMA-required groundwater monitoring during the first quarter of CY 2022 was conducted at the RFLMA monitoring wells having Resource Conservation and Recovery Act classification. Results were generally consistent with previous data. Groundwater monitoring data presented in this quarterly report will be evaluated as part of the annual report for CY 2022.

¹ Analytical results for the composite sample from POE SW093 that started on March 26, 2022, are pending.

² The composite sample from POC WALPOC that started on January 18, 2022, is still in progress. However, no flow occurred during the quarter until March 19, 2022, and therefore calculations can be made through March 18, 2022.

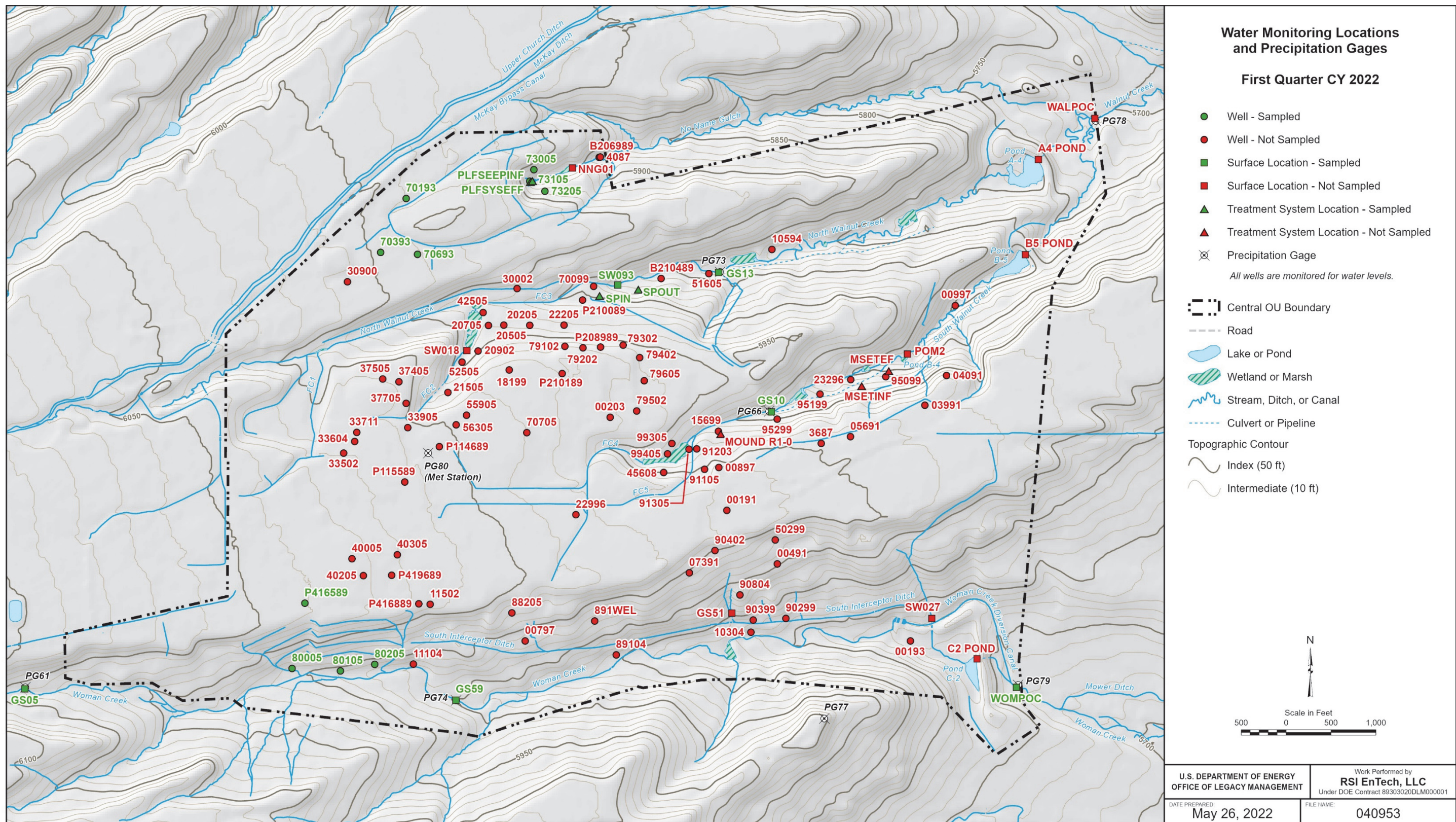


Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gauges

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
70193	WL	44580.58681	RFS01-10.2201040-033	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-42-8	Boron	Y	18	ug/L	J	F	4.4		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-47-3	Chromium	Y	0.59	ug/L	J	F	0.5		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-02-0	Nickel	Y	0.3	ug/L	U	F	0.3		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7782-49-2	Selenium	Y	5.1	ug/L	U	F	0.37		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-22-4	Silver	Y	0.085	ug/L	J	F	0.033		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-61-1	Uranium	Y	0.16	ug/L	U	F	0.05		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
70193	WL	44580.58681	RFS01-10.2201040-033	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	75-35-4	1,1-Dichloroethene	N	1.4	ug/L	U	F	0.23		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ

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
70393	WL	44580.56597	RFS01-10.2201040-034	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-42-8	Boron	Y	5.5	ug/L	J	F	4.4		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-02-0	Nickel	Y	0.89	ug/L	J	F	0.3		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7782-49-2	Selenium	Y	1.1	ug/L	J	F	0.37		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-22-4	Silver	Y	0.035	ug/L	J	F	0.033		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	127-18-4	Tetrachloroethene	N	0.78	ug/L	J	F	0.2		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	79-01-6	Trichloroethene	N	5.4	ug/L	U	F	0.16		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
70393	WL	44580.56597	RFS01-10.2201040-034	7440-66-6	Zinc	Y	2.1	ug/L	J B	F	2		FQU
70693	WL	44580.53819	RFS01-10.2201040-035	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F
70693	WL	44580.53819	RFS01-10.2201040-035	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F
70693	WL	44580.53819	RFS01-10.2201040-035	75-35-4	1,1-Dichloroethene	N	0.77	ug/L	J	F	0.23		F
70693	WL	44580.53819	RFS01-10.2201040-035	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F
70693	WL	44580.53819	RFS01-10.2201040-035	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F
70693	WL	44580.53819	RFS01-10.2201040-035	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F
70693	WL	44580.53819	RFS01-10.2201040-035	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F
70693	WL	44580.53819	RFS01-10.2201040-035	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F
70693	WL	44580.53819	RFS01-10.2201040-035	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		F
70693	WL	44580.53819	RFS01-10.2201040-035	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-42-8	Boron	Y	27	ug/L	J	F	4.4		F
70693	WL	44580.53819	RFS01-10.2201040-035	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		F
70693	WL	44580.53819	RFS01-10.2201040-035	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F
70693	WL	44580.53819	RFS01-10.2201040-035	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F
70693	WL	44580.53819	RFS01-10.2201040-035	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		F
70693	WL	44580.53819	RFS01-10.2201040-035	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F

RFLMA Data

LOCATION_CODE	LOCATION_TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS
70693	WL	44580.53819	RFS01-10.2201040-035	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		F
70693	WL	44580.53819	RFS01-10.2201040-035	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F
70693	WL	44580.53819	RFS01-10.2201040-035	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		F
70693	WL	44580.53819	RFS01-10.2201040-035	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		F
70693	WL	44580.53819	RFS01-10.2201040-035	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F
70693	WL	44580.53819	RFS01-10.2201040-035	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-02-0	Nickel	Y	0.58	ug/L	J	F	0.3		F
70693	WL	44580.53819	RFS01-10.2201040-035	7782-49-2	Selenium	Y	1.1	ug/L	J	F	0.37		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		F
70693	WL	44580.53819	RFS01-10.2201040-035	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F
70693	WL	44580.53819	RFS01-10.2201040-035	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		F
70693	WL	44580.53819	RFS01-10.2201040-035	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F
70693	WL	44580.53819	RFS01-10.2201040-035	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F
70693	WL	44580.53819	RFS01-10.2201040-035	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F
70693	WL	44580.53819	RFS01-10.2201040-035	79-01-6	Trichloroethene	N	1.9	ug/L		F	0.16		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		F
70693	WL	44580.53819	RFS01-10.2201040-035	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F
70693	WL	44580.53819	RFS01-10.2201040-035	7440-66-6	Zinc	Y	2	ug/L	U	F	2		F
73005	WL	44580.61458	RFS01-10.2201040-036	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-42-8	Boron	Y	39	ug/L		F	4.4		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-47-3	Chromium	Y	0.66	ug/L	J	F	0.5		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-50-8	Copper	Y	0.79	ug/L	J	F	0.56		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-02-0	Nickel	Y	1.8	ug/L	J	F	0.3		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7782-49-2	Selenium	Y	7.8	ug/L		F	0.37		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ

RFLMA Data

LOCATION_CODE	LOCATION_TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS
73005	WL	44580.61458	RFS01-10.2201040-036	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-61-1	Uranium	Y	42	ug/L		F	0.05		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73005	WL	44580.61458	RFS01-10.2201040-036	7440-66-6	Zinc	Y	5	ug/L	J B	F	2		FQU
73105	WL	44579.625	RFS01-10.2201040-037	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73105	WL	44579.625	RFS01-10.2201040-037	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
73105	WL	44579.625	RFS01-10.2201040-037	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73105	WL	44579.625	RFS01-10.2201040-037	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73105	WL	44579.625	RFS01-10.2201040-037	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	44579.625	RFS01-10.2201040-037	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73105	WL	44579.625	RFS01-10.2201040-037	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
73105	WL	44579.625	RFS01-10.2201040-037	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73105	WL	44579.625	RFS01-10.2201040-037	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
73105	WL	44579.625	RFS01-10.2201040-037	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-42-8	Boron	Y	130	ug/L		F	4.4		FQ
73105	WL	44579.625	RFS01-10.2201040-037	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73105	WL	44579.625	RFS01-10.2201040-037	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73105	WL	44579.625	RFS01-10.2201040-037	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73105	WL	44579.625	RFS01-10.2201040-037	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
73105	WL	44579.625	RFS01-10.2201040-037	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-50-8	Copper	Y	0.73	ug/L	J	F	0.56		FQ
73105	WL	44579.625	RFS01-10.2201040-037	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7439-92-1	Lead	Y	0.25	ug/L	J	F	0.18		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73105	WL	44579.625	RFS01-10.2201040-037	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73105	WL	44579.625	RFS01-10.2201040-037	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-02-0	Nickel	Y	1.6	ug/L	J	F	0.3		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
73105	WL	44579.625	RFS01-10.2201040-037	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
73105	WL	44579.625	RFS01-10.2201040-037	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73105	WL	44579.625	RFS01-10.2201040-037	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73105	WL	44579.625	RFS01-10.2201040-037	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73105	WL	44579.625	RFS01-10.2201040-037	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	44579.625	RFS01-10.2201040-037	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-61-1	Uranium	Y	20	ug/L		F	0.05		FQ
73105	WL	44579.625	RFS01-10.2201040-037	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73105	WL	44579.625	RFS01-10.2201040-037	7440-66-6	Zinc	Y	5.7	ug/L	J B	F	2		FQU
73205	WL	44579.60417	RFS01-10.2201040-038	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ

RFLMA Data

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73205	WL	44579.60417	RFS01-10.2201040-038	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-38-2	Arsenic	Y	0.48	ug/L	J	F	0.33		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-42-8	Boron	Y	73	ug/L		F	4.4		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-50-8	Copper	Y	1.8	ug/L	J	F	0.56		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-02-0	Nickel	Y	3.3	ug/L		F	0.3		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7782-49-2	Selenium	Y	210	ug/L		F	0.37		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-61-1	Uranium	Y	130	ug/L		F	0.05		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73205	WL	44579.60417	RFS01-10.2201040-038	7440-66-6	Zinc	Y	5.8	ug/L	J B	F	2		FQU
80005	WL	44579.5625	RFS01-10.2201040-039	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	79-00-5	1,1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	91-58-7	2-Chloronaphthalene	N	0.51	ug/L	U	F	0.51		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ

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
80005	WL	44579.5625	RFS01-10.2201040-039	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.3	ug/L	U	F	2.3		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-42-8	Boron	Y	37	ug/L	U	F	4.4		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-50-8	Copper	Y	0.59	ug/L	J	F	0.56		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	91-20-3	Naphthalene	N	0.0051	ug/L	U S	F	0.0051		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-02-0	Nickel	Y	0.79	ug/L	J	F	0.3		FQ
80005	WL	44579.5625	RFS01-10.2201040-040	129-00-0	Pyrene	N	0.0077	ug/L	U	F	0.0077		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7782-49-2	Selenium	Y	0.7	ug/L	J	F	0.37		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-61-1	Uranium	Y	8.4	ug/L	U	F	0.05		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80005	WL	44579.5625	RFS01-10.2201040-039	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ

RFLMA Data

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80105	WL	44579.53125	RFS01-10.2201040-016	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	D	0.21		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	D	0.15		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	D	0.13		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	D	0.18		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	D	0.13		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	91-58-7	2-Chloronaphthalene	N	0.52	ug/L	U	D	0.52		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	91-58-7	2-Chloronaphthalene	N	0.55	ug/L	U	F	0.55		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	83-32-9	Acenaphthene	N	0.011	ug/L	U	D	0.011		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	120-12-7	Anthracene	N	0.014	ug/L	U	D	0.014		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-38-2	Arsenic	Y	0.33	ug/L	U	D	0.33		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	71-43-2	Benzene	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	50-32-8	Benzo(a)pyrene	N	0.0052	ug/L	U	D	0.0052		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	50-32-8	Benzo(a)pyrene	N	0.0051	ug/L	U	F	0.0051		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	191-24-2	Benzo(g,h,i)Perylene	N	0.0083	ug/L	U	D	0.0083		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	191-24-2	Benzo(g,h,i)Perylene	N	0.0081	ug/L	U	F	0.0081		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-41-7	Beryllium	Y	0.08	ug/L	U	D	0.08		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	D	0.27		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	108-60-1	Bis(2-chloroisopropyl) ether	N	0.29	ug/L	U	F	0.29		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.4	ug/L	U	D	2.4		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.5	ug/L	U	F	2.5		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-42-8	Boron	Y	150	ug/L		D	4.4		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-42-8	Boron	Y	160	ug/L		F	4.4		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	75-25-2	Bromoform	N	0.46	ug/L	U	D	0.46		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-43-9	Cadmium	Y	0.27	ug/L	U	D	0.27		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	D	0.19		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	108-90-7	Chlorobenzene	N	0.17	ug/L	U	D	0.17		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	67-66-3	Chloroform	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	74-87-3	Chloromethane	N	0.3	ug/L	U	D	0.3		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-47-3	Chromium	Y	0.5	ug/L	U	D	0.5		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	218-01-9	Chrysene	N	0.012	ug/L	U	D	0.012		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ

RFLMA Data

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80105	WL	44579.53125	RFS01-10.2201040-016	7440-50-8	Copper	Y	0.56	ug/L	U	D	0.56		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	53-70-3	Dibenz(a,h)anthracene	N	0.0049	ug/L	U	D	0.0049		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	53-70-3	Dibenz(a,h)anthracene	N	0.0048	ug/L	U	F	0.0048		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	D	0.37		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	84-66-2	Diethyl phthalate	N	0.39	ug/L	U	F	0.39		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	D	0.2		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	131-11-3	Dimethyl phthalate	N	0.22	ug/L	U	F	0.22		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	D	1.1		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	84-74-2	Di-n-butyl phthalate	N	1.2	ug/L	U	F	1.2		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	100-41-4	Ethylbenzene	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	206-44-0	Fluoranthene	N	0.035	ug/L	U	D	0.035		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	206-44-0	Fluoranthene	N	0.034	ug/L	U	F	0.034		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	86-73-7	Fluorene	N	0.019	ug/L	U	D	0.019		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	D	0.36		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	67-72-1	Hexachloroethane	N	0.95	ug/L	U	D	0.95		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	67-72-1	Hexachloroethane	N	1	ug/L	U	F	1		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	78-59-1	Isophorone	N	0.2	ug/L	U	D	0.2		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	78-59-1	Isophorone	N	0.22	ug/L	U	F	0.22		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7439-92-1	Lead	Y	0.18	ug/L	U	D	0.18		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7439-97-6	Mercury	Y	0.027	ug/L	U	D	0.027		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	91-20-3	Naphthalene	N	0.0054	ug/L	U	D	0.0054		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	91-20-3	Naphthalene	N	0.0053	ug/L	U	F	0.0053		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-02-0	Nickel	Y	0.64	ug/L	J	D	0.3		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-02-0	Nickel	Y	0.56	ug/L	J	F	0.3		FQ
80105	WL	44579.53125	RFS01-10.2201040-017	129-00-0	Pyrene	N	0.0082	ug/L	U	D	0.0082		FQ
80105	WL	44579.53125	RFS01-10.2201040-042	129-00-0	Pyrene	N	0.008	ug/L	U	F	0.008		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7782-49-2	Selenium	Y	0.37	ug/L	U	D	0.37		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-22-4	Silver	Y	0.033	ug/L	U	D	0.033		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	D	0.2		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	108-88-3	Toluene	N	0.17	ug/L	U	D	0.17		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	1330-20-7	Total Xylenes	N	0.19	ug/L	U	D	0.19		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	79-01-6	Trichloroethene	N	0.16	ug/L	U	D	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-61-1	Uranium	Y	7.5	ug/L		D	0.05		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	7440-61-1	Uranium	Y	6.8	ug/L		F	0.05		FQ

RFLMA Data

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80105	WL	44579.53125	RFS01-10.2201040-016	75-01-4	Vinyl chloride	N	0.1	ug/L	U	D	0.1		FQ
80105	WL	44579.53125	RFS01-10.2201040-041	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80105	WL	44579.53125	RFS01-10.2201040-016	7440-66-6	Zinc	Y	3.6	ug/L	J B	D		2	FQU
80105	WL	44579.53125	RFS01-10.2201040-041	7440-66-6	Zinc	Y	2	ug/L	U	F		2	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F		0.16	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F		0.21	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F		0.27	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F		0.23	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F		0.21	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F		0.15	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F		0.13	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F		0.18	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F		0.13	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F		0.16	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	91-58-7	2-Chloronaphthalene	N	0.53	ug/L	U	F		0.53	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	83-32-9	Acenaphthene	N	0.01	ug/L	U	F		0.01	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	120-12-7	Anthracene	N	0.014	ug/L	U	F		0.014	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-38-2	Arsenic	Y	0.33	ug/L	J	F		0.33	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	71-43-2	Benzene	N	0.16	ug/L	U	F		0.16	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F		0.0049	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F		0.0078	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-41-7	Beryllium	Y	0.08	ug/L	U	F		0.08	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	108-60-1	Bis(2-chloroisopropyl) ether	N	0.28	ug/L	U	F		0.28	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.4	ug/L	U	F		2.4	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-42-8	Boron	Y	30	ug/L		F		4.4	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	75-25-2	Bromoform	N	0.46	ug/L	U	F		0.46	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-43-9	Cadmium	Y	0.27	ug/L	U	F		0.27	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F		0.19	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F		0.17	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	67-66-3	Chloroform	N	0.16	ug/L	U	F		0.16	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	74-87-3	Chloromethane	N	0.3	ug/L	U	F		0.3	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-47-3	Chromium	Y	0.5	ug/L	U	F		0.5	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	218-01-9	Chrysene	N	0.012	ug/L	U	F		0.012	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F		0.15	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-50-8	Copper	Y	0.85	ug/L	J	F		0.56	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F		0.0046	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	84-66-2	Diethyl phthalate	N	0.38	ug/L	U	F		0.38	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	131-11-3	Dimethyl phthalate	N	0.21	ug/L	U	F		0.21	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F		1.1	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F		0.16	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	206-44-0	Fluoranthene	N	0.033	ug/L	U	F		0.033	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	86-73-7	Fluorene	N	0.018	ug/L	U	F		0.018	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F		0.36	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	67-72-1	Hexachloroethane	N	0.97	ug/L	U	F		0.97	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	78-59-1	Isophorone	N	0.21	ug/L	U	F		0.21	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7439-92-1	Lead	Y	0.18	ug/L	U	F		0.18	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7439-97-6	Mercury	Y	0.027	ug/L	U	F		0.027	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	75-09-2	Methylene chloride	N	0.94	ug/L	U	F		0.94	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	91-20-3	Naphthalene	N	0.0051	ug/L	U	F		0.0051	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-02-0	Nickel	Y	1.1	ug/L	J	F		0.3	FQ
80205	WL	44579.47917	RFS01-10.2201040-044	129-00-0	Pyrene	N	0.0078	ug/L	U	F		0.0078	FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7782-49-2	Selenium	Y	0.98	ug/L	J	F		0.37	FQ

RFLMA Data

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80205	WL	44579.47917	RFS01-10.2201040-043	7440-22-4	Silver	Y	0.23	ug/L	J	F	0.033		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-61-1	Uranium	Y	34	ug/L		F	0.05		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80205	WL	44579.47917	RFS01-10.2201040-043	7440-66-6	Zinc	Y	2	ug/L	J B	F	2		FQU
GS05	SL	44566.38542	RFS01-13.2203074-004	7440-38-2	Arsenic	N	2	ug/L	U	F	2		
GS05	SL	44566.38542	RFS01-13.2203074-004	7440-41-7	Beryllium	N	0.2	ug/L	U	F	0.2		
GS05	SL	44566.38542	RFS01-13.2203074-004	7440-42-8	Boron	N	13	ug/L	B	F	5.2		
GS05	SL	44566.38542	RFS01-13.2203074-003	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3		
GS05	SL	44566.38542	RFS01-13.2203074-004	7440-47-3	Chromium	N	3	ug/L	U	F	3		
GS05	SL	44566.38542	RFS01-13.2203074-003	7440-50-8	Copper	Y	3.65	ug/L	B	F	0.3		J
GS05	SL	44566.38542	RFS01-13.2203074-003	7439-92-1	Lead	Y	0.5	ug/L	U	F	0.5		
GS05	SL	44566.38542	RFS01-13.2203074-003	7440-02-0	Nickel	Y	0.902	ug/L	B	F	0.6		
GS05	SL	44566.38542	RFS01-13.2203074-004	7782-49-2	Selenium	N	1.5	ug/L	U	F	1.5		
GS05	SL	44566.38542	RFS01-13.2203074-003	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3		
GS05	SL	44566.38542	RFS01-13.2203074-004	7440-61-1	Uranium	N	0.419	ug/L	B	F	0.067		
GS05	SL	44566.38542	RFS01-13.2203074-003	7440-66-6	Zinc	Y	3.3	ug/L	U	F	3.3		
GS05	SL	44581.50347	RFS01-02.2201039-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
GS05	SL	44581.50347	RFS01-02.2201039-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
GS05	SL	44581.50347	RFS01-02.2201039-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
GS05	SL	44581.50347	RFS01-02.2201039-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
GS05	SL	44581.50347	RFS01-02.2201039-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
GS05	SL	44581.50347	RFS01-02.2201039-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		
GS05	SL	44581.50347	RFS01-02.2201039-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
GS05	SL	44581.50347	RFS01-02.2201039-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
GS05	SL	44581.50347	RFS01-02.2201039-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
GS05	SL	44581.50347	RFS01-02.2201039-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	44581.50347	RFS01-02.2201039-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	44581.50347	RFS01-02.2201039-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
GS05	SL	44581.50347	RFS01-02.2201039-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
GS05	SL	44581.50347	RFS01-02.2201039-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
GS05	SL	44581.50347	RFS01-02.2201039-002	67-66-3	Chloroform	N	0.27	ug/L	J	F	0.16		U
GS05	SL	44581.50347	RFS01-02.2201039-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
GS05	SL	44581.50347	RFS01-02.2201039-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS05	SL	44581.50347	RFS01-02.2201039-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	44581.50347	RFS01-02.2201039-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
GS05	SL	44581.50347	RFS01-02.2201039-002	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
GS05	SL	44581.50347	RFS01-02.2201039-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
GS05	SL	44581.50347	RFS01-02.2201039-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		
GS05	SL	44581.50347	RFS01-02.2201039-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
GS05	SL	44581.50347	RFS01-02.2201039-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
GS05	SL	44581.50347	RFS01-02.2201039-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
GS05	SL	44581.50347	RFS01-02.2201039-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		
GS05	SL	44581.50347	RFS01-02.2201039-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS05	SL	44581.50347	RFS01-02.2201039-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
GS05	SL	44581.50347	RFS01-02.2201039-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
GS10	SL	44565.48889	RFS01-13.2202071-006	14596-10-2	Americium-241	N	0.014	pCi/L	U	F		0.0131	

RFLMA Data

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GS10	SL	44565.48889	RFS01-13.2202071-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1	
GS10	SL	44565.48889	RFS01-13.2202071-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44565.48889	RFS01-13.2202071-006	7440-47-3	Chromium	N	1	ug/L	U	F		1	
GS10	SL	44565.48889	RFS01-13.2202071-006	PU-239,240	Plutonium-239, 240	N	-0.00155	pCi/L	U	F		0.00912	
GS10	SL	44565.48889	RFS01-13.2202071-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44565.48889	RFS01-13.2202071-006	7440-61-1	Uranium	N	25.6	ug/L	U	F		0.067	
GS10	SL	44600.49653	RFS01-13.2203073-006	14596-10-2	Americium-241	N	0.0098	pCi/L	U	F		0.0143	
GS10	SL	44600.49653	RFS01-13.2203073-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1	
GS10	SL	44600.49653	RFS01-13.2203073-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44600.49653	RFS01-13.2203073-006	7440-47-3	Chromium	N	1	ug/L	U	F		1	
GS10	SL	44600.49653	RFS01-13.2203073-006	PU-239,240	Plutonium-239, 240	N	0.00849	pCi/L	U	F		0.0111	
GS10	SL	44600.49653	RFS01-13.2203073-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44600.49653	RFS01-13.2203073-006	7440-61-1	Uranium	N	14.8	ug/L	U	F		0.067	
GS10	SL	44640.65833	RFS01-13.2204077-006	14596-10-2	Americium-241	N	0.00932	pCi/L	U	F		0.0194	
GS10	SL	44640.65833	RFS01-13.2204077-006	7440-41-7	Beryllium	N	1	ug/L	U	F		1	
GS10	SL	44640.65833	RFS01-13.2204077-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44640.65833	RFS01-13.2204077-006	7440-47-3	Chromium	N	1	ug/L	U	F		1	
GS10	SL	44640.65833	RFS01-13.2204077-006	PU-239,240	Plutonium-239, 240	N	0.00366	pCi/L	U	F		0.0119	
GS10	SL	44640.65833	RFS01-13.2204077-006	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3	
GS10	SL	44640.65833	RFS01-13.2204077-006	7440-61-1	Uranium	N	18.4	ug/L	U	F		0.067	
GS13	SL	44565.46111	RFS01-13.2204075-007	7440-61-1	Uranium	N	14.9	ug/L	U	F		0.067	
GS13	SL	44593.45139	RFS01-04.2202081-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	16	mg/L	U	F		0.095	
GS13	SL	44607.46042	RFS01-04.2202082-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	7.9	mg/L	U	F		0.038	
GS13	SL	44620.47986	RFS01-04.2202083-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	8.1	mg/L	U	F		0.095	
GS13	SL	44636.43403	RFS01-04.2203084-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	9.8	mg/L	U	F		0.038	
GS13	SL	44636.43403	RFS01-04.2203084-016	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	9.7	mg/L	U	D		0.038	
GS13	SL	44651.44792	RFS01-04.2203085-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	6.4	mg/L	U	F		0.038	
GS59	SL	44565.53403	RFS01-13.2203074-010	7440-38-2	Arsenic	N	2.24	ug/L	B	F		2	
GS59	SL	44565.53403	RFS01-13.2203074-010	7440-41-7	Beryllium	N	0.2	ug/L	U	F		0.2	
GS59	SL	44565.53403	RFS01-13.2203074-010	7440-42-8	Boron	N	13.5	ug/L	B	F		5.2	
GS59	SL	44565.53403	RFS01-13.2203074-009	7440-43-9	Cadmium	Y	0.3	ug/L	U	F		0.3	
GS59	SL	44565.53403	RFS01-13.2203074-010	7440-47-3	Chromium	N	3	ug/L	U	F		3	
GS59	SL	44565.53403	RFS01-13.2203074-009	7440-50-8	Copper	Y	1.73	ug/L	B	F		0.3	
GS59	SL	44565.53403	RFS01-13.2203074-009	7439-92-1	Lead	Y	0.5	ug/L	U	F		0.5	
GS59	SL	44565.53403	RFS01-13.2203074-009	7440-02-0	Nickel	Y	1.79	ug/L	B	F		0.6	
GS59	SL	44565.53403	RFS01-13.2203074-010	7782-49-2	Selenium	N	1.5	ug/L	U	F		1.5	
GS59	SL	44565.53403	RFS01-13.2203074-009	7440-22-4	Silver	Y	0.3	ug/L	U	F		0.3	
GS59	SL	44565.53403	RFS01-13.2203074-010	7440-61-1	Uranium	N	2.08	ug/L	B	F		0.067	
GS59	SL	44565.53403	RFS01-13.2203074-009	7440-66-6	Zinc	Y	3.3	ug/L	U	F		3.3	
GS59	SL	44581.44444	RFS01-02.2201039-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F		0.16	
GS59	SL	44581.44444	RFS01-02.2201039-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F		0.21	
GS59	SL	44581.44444	RFS01-02.2201039-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F		0.27	
GS59	SL	44581.44444	RFS01-02.2201039-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F		0.23	
GS59	SL	44581.44444	RFS01-02.2201039-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F		0.21	
GS59	SL	44581.44444	RFS01-02.2201039-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F		0.15	
GS59	SL	44581.44444	RFS01-02.2201039-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F		0.13	
GS59	SL	44581.44444	RFS01-02.2201039-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F		0.18	
GS59	SL	44581.44444	RFS01-02.2201039-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F		0.13	
GS59	SL	44581.44444	RFS01-02.2201039-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F		0.16	
GS59	SL	44581.44444	RFS01-02.2201039-004	71-43-2	Benzene	N	0.16	ug/L	U	F		0.16	
GS59	SL	44581.44444	RFS01-02.2201039-004	75-25-2	Bromoform	N	0.46	ug/L	U	F		0.46	
GS59	SL	44581.44444	RFS01-02.2201039-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F		0.19	

RFLMA Data

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GS59	SL	44581.44444	RFS01-02.2201039-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
GS59	SL	44581.44444	RFS01-02.2201039-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
GS59	SL	44581.44444	RFS01-02.2201039-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
GS59	SL	44581.44444	RFS01-02.2201039-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS59	SL	44581.44444	RFS01-02.2201039-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
GS59	SL	44581.44444	RFS01-02.2201039-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
GS59	SL	44581.44444	RFS01-02.2201039-004	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
GS59	SL	44581.44444	RFS01-02.2201039-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
GS59	SL	44581.44444	RFS01-02.2201039-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		
GS59	SL	44581.44444	RFS01-02.2201039-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
GS59	SL	44581.44444	RFS01-02.2201039-004	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
GS59	SL	44581.44444	RFS01-02.2201039-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
GS59	SL	44581.44444	RFS01-02.2201039-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		
GS59	SL	44581.44444	RFS01-02.2201039-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS59	SL	44581.44444	RFS01-02.2201039-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
GS59	SL	44581.44444	RFS01-02.2201039-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
P416589	WL	44580.48611	RFS01-10.2201040-065	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	91-58-7	2-Chloronaphthalene	N	0.54	ug/L	U	F	0.54		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	120-12-7	Anthracene	N	0.015	ug/L	U	F	0.015		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	50-32-8	Benzo(a)pyrene	N	0.0053	ug/L	U	F	0.0053		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	191-24-2	Benzo(g,h,i)Perylene	N	0.0084	ug/L	U	F	0.0084		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-41-7	Beryllium	Y	0.099	ug/L	J	F	0.08		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	108-60-1	Bis(2-chloroisopropyl) ether	N	0.29	ug/L	U	F	0.29		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.5	ug/L	U	F	2.5		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-42-8	Boron	Y	4.9	ug/L	J	F	4.4		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	218-01-9	Chrysene	N	0.013	ug/L	U	F	0.013		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	53-70-3	Dibenz(a,h)anthracene	N	0.005	ug/L	U	F	0.005		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	84-66-2	Diethyl phthalate	N	0.39	ug/L	U	F	0.39		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	131-11-3	Dimethyl phthalate	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	84-74-2	Di-n-butyl phthalate	N	1.2	ug/L	U	F	1.2		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ

RFLMA Data

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P416589	WL	44580.48611	RFS01-10.2201040-066	206-44-0	Fluoranthene	N	0.036	ug/L	U	F	0.036		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	67-72-1	Hexachloroethane	N	1	ug/L	U	F	1		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	78-59-1	Isophorone	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	91-20-3	Naphthalene	N	0.0055	ug/L	U S	F	0.0055		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-02-0	Nickel	Y	15	ug/L		F	0.3		FQ
P416589	WL	44580.48611	RFS01-10.2201040-066	129-00-0	Pyrene	N	0.0083	ug/L	U	F	0.0083		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-22-4	Silver	Y	0.86	ug/L	J	F	0.033		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-61-1	Uranium	Y	1.7	ug/L		F	0.05		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
P416589	WL	44580.48611	RFS01-10.2201040-065	7440-66-6	Zinc	Y	18	ug/L	B	F	2		FQU
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	95-50-1	1,2-Dichlorobenzene	N	0.32	ug/L	J	F	0.15		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	106-46-7	1,4-Dichlorobenzene	N	0.4	ug/L	J	F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7440-38-2	Arsenic	N	5.7	ug/L		F	0.33		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	71-43-2	Benzene	N	2.6	ug/L		F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7440-41-7	Beryllium	N	0.1	ug/L	J	F	0.08		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7440-42-8	Boron	N	1200	ug/L	B	F	4.4		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	108-90-7	Chlorobenzene	N	0.82	ug/L	J	F	0.17		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7440-47-3	Chromium	N	0.79	ug/L	J	F	0.5		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	91-20-3	Naphthalene	N	25	ug/L		F	0.22		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7440-02-0	Nickel	Y	4.9	ug/L		F	0.3		

RFLMA Data

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PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		J
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	108-88-3	Toluene	N	0.17	ug/L	J	F	0.17		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	1330-20-7	Total Xylenes	N	1.3	ug/L	J	F	0.19		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-007	7440-61-1	Uranium	N	0.068	ug/L	J	F	0.05		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
PLFSEEPINF	TS	44581.47917	RFS01-02.2201039-006	7440-66-6	Zinc	Y	80	ug/L	B	F		2	
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	91-58-7	2-Chloronaphthalene	N	0.51	ug/L	U	F	0.51		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	83-32-9	Acenaphthene	N	1.3	ug/L		F	0.01		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	120-12-7	Anthracene	N	0.3	ug/L		F	0.014		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7440-38-2	Arsenic	N	20	ug/L		F	0.33		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	71-43-2	Benzene	N	0.61	ug/L	J	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7440-41-7	Beryllium	N	0.6	ug/L	J	F	0.08		U
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.4	ug/L	U	F	2.4		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7440-42-8	Boron	N	990	ug/L	B	F	4.4		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7440-47-3	Chromium	N	1.2	ug/L	J	F	0.5		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	F	0.37		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	206-44-0	Fluoranthene	N	0.33	ug/L	U	F	0.033		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	86-73-7	Fluorene	N	1.1	ug/L		F	0.018		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	67-72-1	Hexachloroethane	N	0.95	ug/L	U	F	0.95		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		

RFLMA Data

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PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7439-92-1	Lead	Y	1	ug/L		F	0.18		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	91-20-3	Naphthalene	N	2.2	ug/L		F	0.0051		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7440-02-0	Nickel	Y	4.8	ug/L		F	0.3		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-010	129-00-0	Pyrene	N	0.23	ug/L		F	0.0078		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-009	7440-61-1	Uranium	N	0.73	ug/L		F	0.05		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
PLFSYSEFF	TS	44581.46181	RFS01-02.2201039-008	7440-66-6	Zinc	Y	79	ug/L	B	F	2		
PLFSYSEFF	TS	44620.57986	RFS01-04.2202083-001	7440-38-2	Arsenic	N	4.1	ug/L		F	0.33		
SPIN	TS	44574.35069	RFS01-04.2201080-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	570	mg/L		F	1.9		J
SPIN	TS	44593.42014	RFS01-04.2202081-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	520	mg/L		F	1.9		
SPIN	TS	44593.42014	RFS01-04.2202081-013	7440-61-1	Uranium	N	67	ug/L		F	0.05		
SPIN	TS	44607.47917	RFS01-04.2202082-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	500	mg/L		F	1.9		
SPIN	TS	44620.46875	RFS01-04.2202083-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	540	mg/L		F	1.9		
SPIN	TS	44620.46875	RFS01-04.2202083-013	7440-61-1	Uranium	N	68	ug/L		F	0.05		
SPIN	TS	44636.41319	RFS01-04.2203084-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	590	mg/L		F	9.5		
SPIN	TS	44651.41319	RFS01-04.2203085-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	530	mg/L		F	3.8		
SPIN	TS	44651.41319	RFS01-04.2203085-013	7440-61-1	Uranium	N	63	ug/L		F	0.05		
SPOUT	TS	44574.36528	RFS01-04.2201080-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		J
SPOUT	TS	44593.42708	RFS01-04.2202081-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	44593.42708	RFS01-04.2202081-014	7440-61-1	Uranium	N	65	ug/L		F	0.05		
SPOUT	TS	44607.46875	RFS01-04.2202082-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	44620.44097	RFS01-04.2202083-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	44620.44097	RFS01-04.2202083-014	7440-61-1	Uranium	N	65	ug/L		F	0.05		
SPOUT	TS	44636.42014	RFS01-04.2203084-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	44651.42014	RFS01-04.2203085-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	44651.42014	RFS01-04.2203085-014	7440-61-1	Uranium	N	62	ug/L		F	0.05		
SW093	SL	44565.44306	RFS01-13.2203074-012	14596-10-2	Americium-241	N	0.0239	pCi/L	U	F		0.0272	J
SW093	SL	44565.44306	RFS01-13.2203074-012	7440-41-7	Beryllium	N	1	ug/L	U	F	1		
SW093	SL	44565.44306	RFS01-13.2203074-012	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3		
SW093	SL	44565.44306	RFS01-13.2203074-012	7440-47-3	Chromium	N	1	ug/L	U	F	1		
SW093	SL	44565.44306	RFS01-13.2203074-012	PU-239,240	Plutonium-239, 240	N	0.0102	pCi/L	U	F		0.0137	
SW093	SL	44565.44306	RFS01-13.2203074-012	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3		
SW093	SL	44565.44306	RFS01-13.2203074-012	7440-61-1	Uranium	N	3.77	ug/L		F	0.067		
WOMPOC	SL	44565.51111	RFS01-13.2202071-015	14596-10-2	Americium-241	N	0.0102	pCi/L	U	F		0.0106	
WOMPOC	SL	44565.51111	RFS01-13.2202071-015	PU-239,240	Plutonium-239, 240	N	-0.00675	pCi/L	U	F		0.0132	
WOMPOC	SL	44565.51111	RFS01-13.2202071-015	7440-61-1	Uranium	N	4.91	ug/L		F	0.067		
WOMPOC	SL	44600.47917	RFS01-13.2203072-015	14596-10-2	Americium-241	N	0.0061	pCi/L	U	F		0.00949	
WOMPOC	SL	44600.47917	RFS01-13.2203072-016	14596-10-2	Americium-241	N	0.0046	pCi/L	U	D		0.00726	
WOMPOC	SL	44600.47917	RFS01-13.2203072-015	PU-239,240	Plutonium-239, 240	N	0.00433	pCi/L	U	F		0.00601	
WOMPOC	SL	44600.47917	RFS01-13.2203072-016	PU-239,240	Plutonium-239, 240	N	0.00131	pCi/L	U	D		0.00575	
WOMPOC	SL	44600.47917	RFS01-13.2203072-015	7440-61-1	Uranium	N	3.92	ug/L		F	0.067		
WOMPOC	SL	44600.47917	RFS01-13.2203072-016	7440-61-1	Uranium	N	4.01	ug/L		D	0.067		
WOMPOC	SL	44622.47569	RFS01-13.2203073-015	14596-10-2	Americium-241	N	0.0117	pCi/L	U	F		0.0182	

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
WOMPOC	SL	44622.47569	RFS01-13.2203073-015	PU-239,240	Plutonium-239, 240	N	0.00316	pCi/L	U	F		0.00979	
WOMPOC	SL	44622.47569	RFS01-13.2203073-015	7440-61-1	Uranium	N	3.44	ug/L		F	0.067		
WOMPOC	SL	44640.64097	RFS01-13.2204075-015	14596-10-2	Americium-241	N	0.00243	pCi/L	U	F		0.00826	
WOMPOC	SL	44640.64097	RFS01-13.2204075-015	PU-239,240	Plutonium-239, 240	N	0.00262	pCi/L	U	F		0.00628	
WOMPOC	SL	44640.64097	RFS01-13.2204075-015	7440-61-1	Uranium	N	2.77	ug/L		F	0.067		
WOMPOC	SL	44651.60347	RFS01-13.2204077-015	14596-10-2	Americium-241	N	-0.00646	pCi/L	U	F		0.0237	
WOMPOC	SL	44651.60347	RFS01-13.2204077-015	PU-239,240	Plutonium-239, 240	N	-0.00229	pCi/L	U	F		0.00778	
WOMPOC	SL	44651.60347	RFS01-13.2204077-015	7440-61-1	Uranium	N	19.1	ug/L		F	0.067		R
WOMPOC	SL	44651.60347	RFS01-13.2204077-015	7440-61-1	Uranium	N	3.37	ug/L		F	0.067		

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

DATA_VALIDATION_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 LLC
STD Eurofins Test America

Draft 2023 Work Plan

- Cover memo
- Draft work plan

Draft 2023 Budget

- Cover memo
- Draft budget

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League of Women Voters ~ Rocky Flats Cold War Museum ~ Rocky Flats Homesteaders
Kim Griffiths

MEMORANDUM

TO: Board
FROM: David Abelson & Melissa Weakley
SUBJECT: Draft 2023 Work Plan
DATE: September 7, 2022

At the September 19th meeting the Board will begin reviewing its 2023 work plan (draft plan attached). The few changes we are proposing are noted using track changes. With one exception, the proposed changes are self-explanatory. We will be prepared to answer your questions at the meeting.

The addition under DOE Management Responsibilities (“Track development of and, as applicable, participate in conversations regarding resumption of air quality monitoring to establish baseline prior to wildfire.”) would be in follow up to the letters Arvada and Broomfield sent to DOE requesting a resumption of air quality testing. There are several uncertainties about next steps, including the role of the Stewardship Council versus individual members. For that reason, the work plan language is intentionally vague, leaving ample room to either be directly or indirectly involved.

Any changes to the draft plan as presented will be incorporated into a revised draft that will be reviewed, modified as necessary, and approved at the October 31, 2022, meeting.

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2023 Work Plan

Draft #1, September 19, 2022

Mission:

The mission of the Rocky Flats Stewardship Council (Stewardship Council) is to provide continuing local engagement on activities occurring at the Rocky Flats site ("Rocky Flats" or "site") regarding long-term stewardship of residual contamination and refuge management; to provide a forum to track issues related to former site employees, including but not limited to long-term health benefits and pension programs; to provide an ongoing mechanism to help maintain public knowledge of Rocky Flats and the ongoing needs and responsibilities regarding contaminant management and refuge management; and to provide an ongoing forum to engage on all other issues pertinent to Rocky Flats, as determined by the Stewardship Council Board of Directors (Board).

Background:

The Stewardship Council occupies two roles: (1) serving as the Local Stakeholder Organization (LSO) for Rocky Flats, and (2) engaging the U.S. Fish & Wildlife Service (USFWS) on the management of the Rocky Flats National Wildlife Refuge (Refuge). To help ensure the Board and public understand when the Stewardship Council acts in its capacity as the Rocky Flats LSO and when it engages on issues beyond its scope as the LSO, the plan includes headers indicating "LSO" and "Non-LSO" activities.

Local Stakeholder Organization (LSO)

The Department of Energy (DOE) Office of Legacy Management (LM) approved the LSO Plan for Rocky Flats on December 21, 2005. That Plan identifies how the main responsibilities Congress identified in the legislation authorizing the creation of LSO (Section 3120 of the Fiscal Year 2005 Defense Authorization bill) are to be carried out at Rocky Flats. These responsibilities are summarized as follows:

- Solicit and encourage public participation in appropriate activities relating to the closure and post-closure operations of the site.
- Disseminate information on the closure and post-closure operations of the site to the State, local and Tribal governments in the vicinity of the site, as well as persons and entities having a stake in the closure or post-closure operations of the site.
- Transmit to appropriate officers and employees of DOE questions and concerns of governments, persons, and entities referred to in the preceding bullet.

In fulfilling these responsibilities, the Stewardship Council has been tasked with helping LM meet its public involvement obligations identified in the Legacy Management Public Involvement Plan (LMPIP) for Rocky Flats.

Rocky Flats National Wildlife Refuge (non-LSO activity)

“The Rocky Flats National Wildlife Refuge Act of 2001” established that Rocky Flats shall become a national wildlife refuge following U.S. Environmental Protection Agency (EPA) certification that the site has been cleaned to the agreed-upon regulatory standards. In July 2007, DOE conveyed jurisdictional responsibility of nearly 4,000 acres to the Department of the Interior for the Rocky Flats National Wildlife Refuge. Additional lands were conveyed in 2014.

USFWS opened the Refuge for guided tours in 2015 and for public recreation in 2018. Additional trails will open in the Refuge in the coming years.

Work Plan Elements:

The Work Plan is divided into the following five sections:

1. DOE Management Responsibilities (LSO activity)
2. Former Rocky Flats Workforce (LSO activity)
3. Outreach (LSO activity with two exceptions noted)
4. Rocky Flats National Wildlife Refuge (non-LSO activity)
5. Business Operations (LSO activity)

DOE Management Responsibilities

LSO Activity

Overview:

One of the key roles of the Stewardship Council is to understand and engage on the various issues regarding the cleanup and post-closure management of Rocky Flats, as well as to provide a forum to foster discussions among DOE, the regulatory agencies, and community members.

2023 Activities:

1. Review information regarding the long-term stewardship and management of the Rocky Flats site, including but not limited to the results of the operational and performance monitoring data of site operations and DOE status reports.
2. Continue to identify key questions about the cleanup and ongoing management, track the effectiveness of site remedies, and understand the impacts to human and ecological receptors.
3. Track the progress made in treating contaminated groundwater at the groundwater treatment systems, including the ongoing uranium treatment evaluation at the Solar Ponds Plume Treatment System (SPPTS).
4. Track the ongoing investigation into the source(s) of elevated actinide levels found in surface water. Of particular note are the cyclic uranium levels in North Walnut Creek at point of compliance WALPOC, elevated levels of actinides at point of evaluation GS10 on South Walnut Creek, and elevated plutonium levels at point of evaluation SW027 in the Woman Creek drainage.
5. Track the ongoing investigation into the presence of per- and polyfluoroalkyl substances (PFAS) in site groundwater and surface water.
6. Track the effectiveness of the remedy implemented to address slumping at the Original Landfill.
7. Track issues related to slumping along North Walnut Creek.

8. Continue to participate in Adaptive Management Plan (AMP) meetings, including technical evaluations of data; track implementation of AMP results, which could include breaching the terminal ponds on Woman and Walnut Creeks.
9. Continue engaging in DOE, CDPHE, and/or EPA assessment(s) of remedy operations and effectiveness.
10. Track development of and, as applicable, participate in conversations regarding resumption of air quality monitoring to establish baseline prior to wildfire.
11. Work with DOE on implementing its LMPIP, including the meetings DOE identified in the LMPIP.
12. Review DOE budgets for implementation of DOE responsibilities.
13. Understand potential legal and regulatory issues regarding implementation of the Rocky Flats Legacy Management Agreement and related site documents; provide this information to the Stewardship Council and to the community.
14. Work with DOE and the regulators to understand technical data regarding implementation and effectiveness of cleanup remedies and long-term controls; communicate this information to the Stewardship Council and to the community.
15. Transmit to appropriate DOE officers and employees any questions and/or concerns of governments, persons, and entities regarding Rocky Flats.
16. As opportunities allow, continue to work with DOE on the development of interpretative signage for the Rocky Flats National Wildlife Refuge.
17. Support the ongoing efforts of the Rocky Flats Cold War Museum to educate successive generations about the history of Rocky Flats, particularly about residual contamination and continued need for long-term stewardship.
18. Track the development of the Jefferson County Parkway as it relates to Rocky Flats.
19. Track Congressional actions/decisions affecting potential mineral development at Rocky Flats and engage as needed.
20. Examine the potential impacts of climate change on site remedies, focusing on climate adaptation and resilience, including shock events and changes over the long term.

Deleted: including the CERLCLA Five- Year Review

Former Rocky Flats Workforce
LSO Activity

Overview:

Many of the former site workers are the constituents of the Stewardship Council governments. Further, the Rocky Flats Homesteaders, which represents more than 1,800 former site workers, sits on the Board of the Stewardship Council. For these and other reasons, as noted in the Stewardship Council’s Intergovernmental Agreement, worker issues will, as needed, continue to be an important component of the Stewardship Council’s work. At this time, worker issues largely revolve around claims under the Energy Employee Occupational Illness Compensation Program Act (EEOICPA). Workers address claims on an individual basis.

2023 Activities:

1. Forward worker concerns, as necessary.

Outreach
LSO Activity (two exceptions noted)

Overview:

As the LSO for Rocky Flats, a core responsibility for the Stewardship Council is providing a forum to help engage people on Rocky Flats and the ongoing management needs. As part of this mission, it remains essential that the Stewardship Council maintain close communications with DOE, EPA, CDPHE, and Congress.

The local communities have developed over the period of many years a very good working relationship with the two primary regulatory agencies that oversee the site, EPA and CDPHE. It is imperative that the Stewardship Council continue this tradition of partnership with these agencies.

The Colorado congressional delegation likewise plays a critical role in addressing Rocky Flats issues. The Stewardship Council shall remain an important mechanism for addressing questions and concerns of the delegation, as well as providing ongoing interface with the delegation on site-specific issues and concerns.

2023 Activities:

1. Hold quarterly Board meetings and provide opportunity for comment and dialogue.
2. Communicate with other local officials, DOE, state and federal regulators, the Colorado congressional delegation, and other stakeholders about the Stewardship Council's mission and activities, as appropriate.
3. Take public comment on issues related to DOE and USFWS responsibilities at Rocky Flats.¹
4. Evaluate Congressional action affecting DOE and USFWS and administrative action that could affect Rocky Flats.²
5. Maintain communication with federal and state legislators, as appropriate, and track potentially impactful federal and state legislation as needed.
6. Provide opportunities at meetings and in between meetings for education on site-related issues and relevant feedback.
7. Work with DOE to disseminate information on the cleanup and post-closure operations of Rocky Flats.
8. Participate in local, regional, and national forums.
9. Implement mechanisms for the Stewardship Council and the general public to be informed of the results of monitoring data and other relevant site-specific information, recognizing that not all communication between DOE and Rocky Flats constituencies will flow through the Stewardship Council.

Rocky Flats National Wildlife Refuge
Non-LSO Activity (one exception noted)

Overview:

One of the Stewardship Council's roles is to engage on issues related to the development and management of the Refuge. In September 2018, USFWS began allowing public recreation at the Refuge.

¹ Issues related to USFWS are a non-LSO activity.

² Issues related to USFWS are a non-LSO activity.

In addition, USFWS and DOE are discussing a partnership to develop a visitor's center. That center would be sited on refuge lands, with USFWS taking lead on the public engagement process. As the LSO for Rocky Flats, the Stewardship Council would work with DOE on that agency's role in developing the visitor center. (That work with DOE is an LSO activity.) USFWS would take lead on public engagement; Stewardship Council members may be involved in that process.

The items identified in this part of the work plan only concern USFWS.

2023 Activities:

1. Reengage USFWS with the goal of obtaining ongoing briefings on management issues, visitor data, and other pertinent information related to the Rocky Flats Wildlife Refuge and Rocky Flats.
2. Track agency and Congressional action affecting funding for USFWS and the Refuge. Engage as needed.
3. Track issues related to the development of interpretative signage for the Rocky Flats National Wildlife Refuge.³ Engage as needed.
4. Continue to track issues related to the development of trails on the Rocky Flats National Wildlife Refuge.
5. Track issues related to the development of a trail network connecting the Rocky Flats National Wildlife Refuge, Rocky Mountain Arsenal National Wildlife Refuge, Two Ponds National Wildlife Refuge, and Rocky Mountain National Park.
6. Forward information regarding the Refuge to the Board and the public, as appropriate.

Business Operations

LSO Activity

Overview:

Business Operations refers to organizational management responsibilities—conducting the annual audit, submitting financial reports to DOE, adopting the annual Work Plan and annual budget, etc.

2023 Activities:

1. Work with DOE to ensure the Stewardship Council continues to meet its responsibilities as the LSO for Rocky Flats.
2. Operate the Stewardship Council in compliance with state and federal regulations.
3. Conduct a financial audit.
4. Prepare and adopt the annual work plan and the annual budget.
5. Submit financial reports to DOE.
6. Review, and renew as necessary, consulting agreements.
7. Provide an annual report on activities.
8. Appoint community members to the Board (two seats).

³ As noted above, as the LSO for Rocky Flats, the Stewardship Council will work with DOE on that agency's partnership with USFWS in developing interpretative signage. The item identified in this part of the work plan only concerns USFWS's role.

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Kim Griffiths

MEMORANDUM

TO: Board
FROM: David Abelson
SUBJECT: Initial review of 2023 budget
DATE: September 7, 2022

Attached for your review is the first draft of the Stewardship Council's fiscal year 2023 budget. As a unit of local government under the Colorado Constitution, the Stewardship Council must review the budget at this meeting and hold a budget hearing at a second meeting prior to adopting a final budget. The budget hearing will be held at the October 31st meeting, at which time the Board will adopt the budget.

Budget Overview

As is the case each year, the budget is for more than the anticipated costs. Over-budgeting provides the Board latitude in how it manages expenditures without requiring supplemental budgeting should expenditures increase.

The 2023 budget is essentially the same budget that the Board approved for 2022.

Please let me know what questions you have.

ROCKY FLATS STEWARDSHIP COUNCIL

2023 Budget -- DRAFT #1

	2023 Budget Amounts	2023 Anticipated Expenditures	2022 Budget	2022 Actual/ Projected Expenses*	2021 Expenses
A. Personnel	\$ 102,300.00	\$ 102,300.00	\$ 102,300.00	\$ 102,300.00	\$ 93,000.00
Executive Director and Technical Advisor (\$8,525/month)					
B. Fringe Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
Staff are contractors					
C. Travel	\$ 7,300.00				
Out of State	\$ 6,100.00	\$ 6,100.00	\$ 6,100.00	\$ 4,071.00	\$ 3,088.88
National DOE-related trips					
Local Travel	\$ 1,200.00	\$ 1,000.00	\$ 1,200.00	\$ 235.00	\$ 304.64
\$100/month for 12 months					
D. Computer Equipment	\$ 500.00	\$ -	\$ 500.00	\$ -	\$ -
Purchase misc. hardware, software					
E. Supplies	\$ 1,200.00	\$ 250.00	\$ 1,200.00	\$ 120.00	\$ -
Supplies (\$100/month)					
F. Contractual	\$ 39,500.00				
Attorney & Accounting Services					
Legal Services (\$1400/month)	\$ 16,800.00	\$ 16,000.00	\$ 16,800.00	\$ 15,223.00	\$ 13,597.52
Accounting (\$850/month)	\$ 10,200.00	\$ 5,800.00	\$ 10,200.00	\$ 4,174.00	\$ 4,180.00

Audit Report	\$ 6,500.00	\$ 4,250.00	\$ 6,500.00	\$ 4,250.00	\$ 4,000.00
Admin. Services					
Misc. Services: bank fees, etc.	\$ 1,000.00	\$ 100.00	\$ 1,000.00	\$ 861.00	\$ 341.40
Minutes Preparation (5 meetings)	\$ 3,000.00	\$ 2,500.00	\$ 3,000.00	\$ 1,000.00	\$ 900.00
Local Government Expenses	\$ 2,000.00	\$ 1,500.00	\$ 2,000.00	\$ -	\$ -
Miscellaneous expenses not covered by DOE funds (includes meeting expenses and non-LSO activities)					
G. Construction	\$ -	\$ -	\$ -	\$ -	\$ -
None					
H. Other	\$ 17,100.00				
Printing & Copy	\$ 2,000.00	\$ 250.00	\$ 2,000.00	\$ -	\$ -
Postage \$125/month for 12 months	\$ 1,500.00	\$ 300.00	\$ 1,500.00	\$ 704.00	\$ 703.88
Meeting Room Rental \$500/meeting, 5 meetings/year	\$ 2,500.00	\$ 2,500.00	\$ -	\$ 600.00	\$ -
Liability Insurance					
Property Contents/General Liability	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
Board Members	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 2,768.00	\$ 2,767.61
Telephone, email, etc.	\$ 2,700.00	\$ 1,700.00	\$ 2,700.00	\$ 1,528.00	\$ 1,700.35
Website					
Hosting	\$ 500.00	\$ -	\$ 500.00	\$ -	\$ -
Web master	\$ 1,500.00	\$ 500.00	\$ 1,500.00	\$ 400.00	\$ 355.94
Subscriptions/Memberships					
ECA membership	\$ 950.00	\$ 950.00	\$ 950.00	\$ 950.00	\$ 950.00
Conference registration fees	\$ 800.00	\$ 800.00	\$ 800.00	\$ 800.00	\$ 550.00
Newspapers	\$ 650.00	\$ -	\$ 650.00	\$ -	\$ -

J. Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -
N/A					
TOTAL PROPOSED BUDGET	\$ 167,900.00	\$ 150,800.00	\$ 165,400.00	\$ 140,484.00	\$ 126,940.22

REVENUE FOR 2023

Local government contributions	\$ 10,000.00
Department of Energy grant	\$ 150,800.00
RFCLOG carry-over	\$ 7,100.00
TOTAL	\$ 167,900.00

*2022 Actual/Projected Expenses = actual January through July; projected August through December

Appendix

- Meeting Protocols
- Acronym List

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Rocky Flats Stewardship Council – Meeting Overview and Protocols

The central purpose of the meeting of the Rocky Flats Stewardship Council Board of Directors is for the Board and public to learn about current site activities and monitoring results, to be briefed on any issues or challenges DOE and the regulatory agencies are facing, and other issues that come before the Board. The Board reserves time at each meeting to address governance-related issues. Those issues are identified in the meeting agenda, and could include the budget, work plan, minutes, and related items.

All meetings of the Board of Directors are open to the public. From time to time, and in accordance with § 24-6-402(4), Colorado Revised Statutes, the Board may go into executive session. Public notice of the executive session is provided in the meeting agenda.

Public Engagement Protocols: Time is allotted at each meeting for the public to address the Board of Directors and presenters. The following procedures apply to all meetings of the Board of Directors. The Chair reserves the right to modify these procedures.

1. **Public comment periods:** The public comment periods are identified on the meeting agenda. The goal is to have two public comment periods—one near the start of the meeting and another near the end. The public comment periods are not a Q&A with the Board.
2. **Time limit:** The Board requests that comments be to the point. If individual comments are too long and/or if there are a number of people who wish to speak, the Chair reserves the right to enact a time limit.
3. **Additional public comment:** As time allows, and as called on by the Chair, the public is allowed to ask questions or express an opinion during presentations. The Board will have the first opportunity to ask questions or make comments.

No personal attacks: All people speaking at the meeting must refrain from personal attacks and address the issues at hand.

Public Comment on Stewardship Council Website: The Stewardship Council website includes a section for public comment. To have your comment posted, you must email a copy of your comments to David Abelson (dabelson@rockyflatssc.org).

Noise: In order to help reduce background noise, sidebar and backroom conversations should be taken into the hall.

To be added to the Stewardship Council's email distribution list, please email David Abelson (dabelson@rockyflatssc.org).

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
Alpha radiation		A type of radiation that is not very penetrating and can be blocked by materials such as human skin or paper or one inch of air. Alpha radiation presents its greatest risk when it is inhaled or ingested. Plutonium, the radioactive material of greatest concern at Rocky Flats, produces this type of radiation.
Am	americium	A man-made radioactive element that is a byproduct of plutonium (Pu) production. Am emits gamma radiation, which can penetrate many types of protective shielding. During the production era at Rocky Flats, Am was chemically separated from Pu to reduce personnel exposures.
AME	Actinide Migration Evaluation	An exhaustive, years-long study by independent researchers who studied how actinides such as plutonium, americium, and uranium move through the soil and water at Rocky Flats.
AMP	Adaptive Management Plan	Additional water quality sampling and analysis that DOE is conducting, beyond the normal environmental assessments, to inform decisions regarding future breaches of remaining dams.
AOC well	Area of Concern well	A particular type of groundwater well.
B	boron	An inorganic compound that has been found in some surface water and groundwater samples at Rocky Flats.
Be	beryllium	A very strong and lightweight metal that was used at Rocky Flats in the manufacture of nuclear weapons. Exposure to beryllium is now known to cause respiratory disease in those persons sensitive to it.
Beta radiation		A type of radiation that is more penetrating than alpha (but less penetrating than gamma). Beta particles can be stopped after traveling through 10 feet of air or a thin layer of glass or metal. Some forms of uranium emit beta radiation.
BMP	Best Management Practices	A term used to describe actions taken by DOE that are not required by regulation but warrant action.
BZ	Buffer Zone	The portion of the Rocky Flats site that was added during production to provide a "buffer" between the neighboring communities and the industrial portion of Rocky Flats. The buffer zone covered approximately 6,100 acres. Most of the buffer zone lands now make up the Rocky Flats National Wildlife Refuge.
CAD/ROD	Corrective Action Decision/Record of Decision	The complete final plan for cleanup and closure for Rocky Flats. The Federal/State laws that governed the cleanup at Rocky Flats required a document of this sort.
CCP	Comprehensive Conservation Plan	The refuge plan adopted by the U.S. Fish and Wildlife Service in 2007.
CDPHE	Colorado Department of Public Health and Environment	The state agency that regulates Rocky Flats.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act	Federal legislation that governs the Rocky Flats cleanup. Also known as the Superfund Act.
cfs	cubic feet per second	A volumetric measure of water flow.
COC	Contaminant of Concern	A hazardous or radioactive substance that is present at Rocky Flats.
COU	Central Operable Unit	A CERCLA term used to describe the DOE-retained lands (about 1,300 acres) at Rocky Flats. The COU overlays the former Industrial Area (where manufacturing activities took place) and contains all engineered elements of the remedy (two landfills and four groundwater treatment systems) and areas of residual subsurface contamination.
CR	Contact Record	A regulatory procedure where CDPHE reviews a proposed action by DOE and either approves the proposal as is or requires changes to the proposal before approval. CRs apply to a wide range of activities performed by DOE. After approval, the CR is posted on the DOE-Legacy Management (LM) website and the public is notified via email.
Cr	chromium	Potentially toxic metal used at Rocky Flats.
CRA	Comprehensive Risk Assessment	A series of analyses that assess human health risks and risks to the environment (flora and fauna).
D&D	decontamination and decommissioning	The process of cleaning up and tearing down buildings and other structures.
DG	Discharge Gallery	The location where the treated effluent of the Solar Ponds Plume Treatment System (defined below) empties into North Walnut Creek.
DOE	U.S. Department of Energy	The federal agency that manages portions of Rocky Flats. The site office is the Office of Legacy Management (LM).
EA	Environmental Assessment	A study required by NEPA (defined below) when a federal agency proposes an action that could impact the environment. The agency is responsible for conducting the analysis to determine what, if any, impacts to the environment might occur due to a proposed action.
EIS	Environmental Impact Statement	An evaluation that is undertaken by a government agency when it is determined, via the EA, that a proposed action by the agency may have significant impacts to the environment.
EPA	U.S. Environmental Protection Agency	The federal agency that regulates Rocky Flats activities.
EEOICPA	Energy Employees Occupational Illness Compensation Program Act	An act passed by Congress in 2000 to compensate sick nuclear weapons workers and certain survivors.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
ETPTS	East Trenches Plume Treatment System	The treatment system near the location of the East Waste Disposal Trenches. This system treats groundwater emanating from the trenches that is contaminated with organic solvents, as well as groundwater routed from the Mound Plume Site Collection System. Treated effluent flows into South Walnut Creek.
FC	functional channel	Man-made stream channels constructed during cleanup to help direct water flow.
FACA	Federal Advisory Committee Act	The federal law that regulates federal advisory boards. The law requires balanced membership and open meetings with published Federal Register meeting dates.
Gamma Radiation		The most penetrating type of radiation at Rocky Flats. Thick, dense shielding is necessary to protect against gamma rays. Americium (Am) is a strong gamma emitter.
GAO	Government Accountability Office	Congressional investigative office that reports to Congress.
g	gram	A metric unit of mass.
gpm	gallons per minute	A volumetric measure of water flow.
GWIS	Groundwater Intercept System	A below-ground system that directs contaminated groundwater toward the Solar Ponds Plume and East Trenches Plume Treatment Systems.
IA	Industrial Area	The central core of Rocky Flats where all manufacturing activities took place. The IA covered 385 of Rocky Flats's 6,500 acres.
IC	Institutional Control	Administrative and legal controls employed to protect the integrity of the remedies in place and minimize the potential for human exposure to residual contamination.
IGA	intergovernmental agreement	A cooperative agreement between local governments that establishes the framework of the Stewardship Council.
IHSS	Individual Hazardous Substance Site	A name given during cleanup to a discrete area of known or suspected contamination. There were formerly over two hundred IHSSs at Rocky Flats.
ITPH	interceptor trench pump house	The location where contaminated groundwater collected by the interceptor trench is pumped to either the Solar Ponds Plume Treatment System or the East Trenches Plume Treatment System.
L	liter	Metric measure of volume (slightly larger than a quart).
LANL	Los Alamos National Laboratory	One of the US government's premier research institutions located near Santa Fe, NM. LANL is continuing to conduct highly specialized water analysis for Rocky Flats. Using sophisticated techniques, LANL is able to determine the percentages of both naturally occurring and man-made uranium, which helps to inform water quality decisions.
LHSU	lower hydrostratigraphic unit	Hydrogeological term for deep unweathered bedrock that is hydraulically isolated from the upper hydrostratigraphic unit (see UHSU). Data show that site COCs have not contaminated the LHSU.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
LM	Legacy Management	DOE office responsible for overseeing activities at closed sites.
LMPIP	Legacy Management Public Involvement Plan	A plan that follows DOE and EPA guidance on public participation and outlines the methods of public involvement and communication used to inform the public of site conditions and activities. It was previously known as the Post-Closure Public Involvement Plan (PCPIP).
O&M/OM&M	Operations, monitoring, and maintenance	Term that describes ongoing activities at Rocky Flats.
MOU	Memorandum of Understanding	The formal agreement between EPA and CDPHE specifying that CDPHE is the lead post-closure regulatory agency with EPA providing assistance when needed.
MSPCS	Mound Site Plume Collection System	The system that collects groundwater and routes it to the ETPTS for treatment.
MSPTS	Mound Site Plume Treatment System	The remediation system formerly in place (reconfigured in 2016) to treat groundwater contaminated with organic solvents emanating from the Mound Site (a portion of Rocky Flats where waste barrels were buried).
NEPA	National Environmental Policy Act	Federal legislation that requires the federal government to perform analyses of environmental consequences of major projects or activities.
nitrates		Contaminant of concern originating from Solar Ponds wastes. Nitrates have been detected in the North Walnut Creek drainage. Nitrates are very soluble in water and move readily through the aquatic environment.
Np	neptunium	A man-made radioactive isotope that is a by-product of nuclear reactors and plutonium production.
NPL	National Priorities List	A list of Superfund sites. The refuge lands were de-listed from the NPL, while the DOE-retained lands are still on the NPL because of residual groundwater contamination and associated remediation activities.
NWCS	North Walnut Creek Slump	Slumping observed on the hillside east of the Solar Ponds Plume Treatment System.
OLF	Original Landfill	Hillside dumping area of about 20 acres that was used from 1951 to 1968. The OLF underwent remediation with the addition of a soil cap and groundwater monitoring locations.
OU	Operable Unit	A distinct area within a cleanup site. These areas may address geographic areas, specific problems, or medium (e.g., groundwater, soil) where a specific action is required.
PCE	perchloroethylene (a.k.a. tetrachloroethylene)	A volatile organic solvent used in past operations at Rocky Flats.
pCi/g	picocuries per gram	A unit of radioactivity in soil.
pCi/L	picocuries per liter	A unit of radioactivity in water. CDPHE's regulatory limit for Pu and Am in surface water at Rocky Flats is 0.15 pCi/L. This standard is 100 times stricter than the EPA's drinking water standard.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
PLF	Present Landfill	Landfill constructed in 1968 to replace the OLF. During site remediation, the PLF was closed under RCRA regulations with an extensive cap and monitoring system.
PMJM	Preble's Meadow Jumping Mouse	A species of mouse found along the Front Range that is on the endangered species list. There are several areas in the Refuge and COU that provide adequate habitat for the mouse, usually found in drainages. Any operations that are planned in potential mouse habitat are strictly controlled.
POC	Point of Compliance (surface water)	A surface water monitoring location at Rocky Flats where contaminant concentrations must be in compliance with federal and state standards for hazardous constituents. Violations of water quality standards at the points of compliance could result in DOE receiving financial penalties.
POE	Point of Evaluation (surface water)	A surface water monitoring location at Rocky Flats where water quality is monitored. There are no financial penalties associated with water quality exceedances at these locations, but DOE may be required to develop a plan of action to improve the water quality.
POU	Peripheral Operable Unit	A CERCLA term used to describe the 4,800-acre area surrounding the Central Operable Unit.
Pu	plutonium	A metallic substance that was fabricated to form the core, or "trigger", of a nuclear weapon. Formation of these triggers was the primary production mission of the Rocky Flats site. There are different forms of plutonium, called isotopes. Each isotope is known by a different number, such as plutonium 239 (Pu-239) and plutonium 241 (Pu-241). Pu-239 is the primary radioactive COC at Rocky Flats.
RCRA	Resource Conservation and Recovery Act	Federal law regulating hazardous waste. In Colorado, EPA delegates to CDPHE the authority to regulate hazardous wastes.
RFCA	Rocky Flats Cleanup Agreement	The regulatory agreement that governed cleanup activities. DOE, EPA, and CDPHE were signatories.
RFCAB	Rocky Flats Citizen Advisory Board	The group formed as part of DOE's site-specific advisory board network. The RFCAB provided community feedback to DOE on a wide variety of Rocky Flats issues from 1993 through regulatory closure in 2006.
RFCLOG	Rocky Flats Coalition of Local Governments	The predecessor organization of the Rocky Flats Stewardship Council.
RFETS	Rocky Flats Environmental Technology Site	The moniker for Rocky Flats during cleanup years.
RFLMA	Rocky Flats Legacy Management Agreement	The post-cleanup regulatory agreement between DOE, CDPHE, and EPA that governs site activities. The CDPHE has the lead regulatory role, with support from EPA as required.
RFNWR	Rocky Flats National Wildlife Refuge	The 4,000 acres of Rocky Flats where unrestricted use is allowed. This land is now a wildlife refuge.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
RFSOG	Rocky Flats Site Operations Guide	The nuts-and-bolt guide for post-closure site activities performed by DOE and its contractors.
RSAL	Radionuclide Soil Action Level	Concentration of radionuclide in soil above which remedial action should be considered so that people are not exposure to radiation doses above permitted levels.
SEP	Solar Evaporation Ponds	An area of Rocky Flats used in the 1950s to hold excess wastewater generated during manufacturing operations. Wastewater that could not be treated in the onsite treatment plant was sent to open-air holding ponds where solar energy was utilized to evaporate and concentrate the waste. The original SEPs were unlined, and substantial quantities of uranium and nitrates made their way into groundwater. As a result, the Solar Ponds Plume Treatment System was constructed to treat contaminated groundwater before it emerged as surface water in North Walnut Creek.
SID	South Interceptor Ditch	A water feature designed to intercept runoff from the southern portion of the COU. The SID flows from west to east into Pond C-2. Woman Creek water does not enter Pond C-2, but is diverted around Pond C-2 through the Woman Creek Diversion Canal.
SPPTS	Solar Ponds Plume Treatment System	Engineered system designed to treat groundwater contaminated with uranium and nitrates. The nitrates originate from the former solar evaporation ponds, which had high levels of nitric acid. The uranium is primarily naturally occurring. Effluent from the SPPTS flows into North Walnut Creek.
SVOCs	semi-volatile organic compounds	Organic compounds that are not as volatile as solvent-related VOCs. SVOCs are found in many environmental media at Rocky Flats. They are found in materials like oil, coal, asphalt, and tar.
TCE	trichloroethylene	A volatile organic compound used as a solvent in past site operations. TCE is also a degradation product of PCE.
U	uranium	Naturally occurring radioactive element. There were two primary isotopes of U used during production activities. The first was enriched U, which contained a very high percentage (>90%) of U-235 and was used in nuclear weapons. The second isotope was U-238, also known as depleted uranium. U-238 has low levels of radioactivity.
ug/L or µg/L	micrograms per liter	A unit of contaminant concentration in water.
UHSU	upper hydrostratigraphic unit	A hydrogeological term describing the surficial materials and weathered bedrock found at Rocky Flats. The UHSU is hydraulically isolated from the lower hydrostratigraphic unit (see LHSU). Groundwater in some UHSU areas of Rocky Flats is contaminated with site-related COCs, while groundwater in other UHSU areas is not impacted. All groundwater in the UHSU emerges to surface water before it leaves Rocky Flats.

Rocky Flats Acronym List
 Prepared for the Rocky Flats Stewardship Council
 Rev. 02/20

Acronym or Term	Means	Definition
USFWS	United States Fish & Wildlife Service	The agency within the US Department of the Interior that is responsible for maintaining the nation-wide system of wildlife refuges, among other duties. The regional office is responsible for the RFNWR.
UUUE	unlimited use and unrestricted exposure	A regulatory term used to describe residual risk remaining after a site has been remediated. In 2007, the Peripheral Operable Unit (POU) was found to be suitable for unlimited use and unrestricted exposure (based on risk calculations). EPA removed the POU (now largely the Rocky Flats National Wildlife Refuge) from the EPA's National Priorities List of CERCLA or "Superfund" sites.
VOC	volatile organic compound	These compounds include cleaning solvents that were used in the manufacturing operations at Rocky Flats. The VOCs used at Rocky Flats include carbon tetrachloride (often called carbon tet), trichloroethene (TCE), perchloroethylene (PCE), and methylene chloride.
WALPOC	Walnut Creek Point of Compliance	The surface water Point of Compliance on Walnut Creek, at the COU boundary.
WCRA (or "the Authority")	Woman Creek Reservoir Authority	The group composed the cities of Westminster, Northglenn, and Thornton. These cities use Standley Lake as part of their drinking water supply network. Surface water from Rocky Flats formerly flowed through Woman Creek to Standley Lake, but the Woman Creek Reservoir was constructed to sever that connection. The Authority has an operations agreement with DOE to manage the Woman Creek Reservoir.
WOMPOC	Woman Creek Point of Compliance	The surface water Point of Compliance on Woman Creek, at the COU boundary.
WQCC	Water Quality Control Commission	State board within CDPHE tasked with overseeing water quality issues throughout the state. DOE has petitioned the WQCC several times in the last few years regarding water quality issues.
WRW	Wildlife Refuge Worker	User scenario on which exposure risks are calculated.
ZVI	zero valent iron	A type of fine iron particles formerly used to treat VOCs in the ETPTS and MSPTS.