ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670
Boulder, CO 80308-0670
www.rockyflatssc.org
(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

Special COVID-19 Announcement

Board of Directors Meeting
Monday, February 1, 2021, 8:30 – 10:15 AM

Due to COVID-19 social distancing requirements, the Rocky Flats Stewardship Council Board of Directors will meet via WebEx, with an internet/phone link provided by separate notice. The meeting is open to the public. Following the direction of local governments and other public entities throughout Colorado, public engagement is being modified for this virtual meeting.

To ensure the meeting participants are able to hear the information being presented and the members of the Board of Directors are able to engage in conversation, the following meeting-specific protocols have been developed:

1. Public comments during the 8:40 am (approximate time) public comment period are limited to two minutes. Participants must sign up in advance by emailing a request to speak to info@rockyflatssc.org. Requests must be made no later than 5:00 pm (MDT), Thursday, January 28, 2021. Persons submitting requests after this deadline will not be allowed to speak during the public comment period.

2. Public comments on the DOE Quarterly Report presentation are limited to written comments. Comments must be sent to info@rockyflatssc.org. All comments sent by 5:00 pm (MDT), Thursday, January 28, 2021, will be forwarded to the Board of Directors prior to the meeting. Comments sent during or following the meeting are also accepted.

3. All written comments, including those sent during or following the meeting, will be posted on the Stewardship Council website.

4. DOE has agreed to respond in writing to comments offered on that agency's report. Those responses will be posted on the Stewardship Council website.

Please direct any questions to dabelson@rockyflatssc.org

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Board of Directors Meeting – Agenda

Monday, February 1, 2021
8:30 – 10:15 AM
VIA WEBEX
Email info@rockyflatssc.org for WebEx details

8:30 AM Convene/Introductions/Agenda Review/Meeting Protocols

8:40 AM Public Comment: Comments are limited to the Consent Agenda and non-agenda items. See the "Special COVID-19 Announcement" for details.

8:50 AM Business Items (briefing memo attached)

1. Elect Stewardship Council Officers for 2021

   Action Item: Elect Officers

2. Adopt 2021 Meeting Schedule and Notice Provisions Resolution

   Action item: Adopt Resolution

3. Consent Agenda: Approve meeting minutes and checks

4. Executive Director's Report

9:05 AM Host DOE Quarterly Meeting (briefing memo attached)

- DOE will brief on site activities for the third quarter of 2020 (July – September).
- DOE has posted the report on its website and will provide a summary of its activities to the Stewardship Council.
- Activities included surface water monitoring, groundwater monitoring, ecological monitoring, and site operations (inspections, maintenance, etc.).

Public Comment on DOE Briefing: As explained in the "Special COVID-19 Announcement," all comments must be submitted in writing.

10:00 AM Board Roundtable – Big Picture/Additional Questions/Issue Identification

Adjourn

Upcoming Meetings: All dates are proposed and will be set at this meeting

May 3, 2021
June 7, 2021
September 13, 2021
November 1, 2021

Business Items

- Cover memo
- 2021 meeting dates resolution and notice provisions
- October 26, 2020, draft board meeting minutes
- List of Stewardship Council checks

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MEMORANDUM

TO: Board of Directors
FROM: David Abelson
SUBJECT: Business Items
DATE: January 21, 2021

As provided in the agenda, the Board must:

1. Elect Stewardship Council officers for 2021
2. Adopt 2021 Meeting Schedule and Notice Provisions Resolution
3. Approve the Consent Agenda (minutes and checks)

The first two items are discussed below.

Election of Officers
In accordance with the Stewardship Council bylaws, "the Chair, Vice Chair, and Secretary/Treasurer shall be elected annually by the Board of Directors." The terms commence at this meeting, and there are no limitations as to the number of terms one can serve. The following people have expressed interest in serving:

Joyce Downing (Northglenn) – Chair
Jan Kulmann (Thornton) – Vice Chair
Jeannette Hillery (League of Women Voters) – Secretary/Treasurer

If you are interested in serving, please let me know. Additional names can be added for consideration at the meeting.

ACTION ITEM: Elect the officers for 2021

Resolution Re: 2021 Meeting Schedule and Notice Provisions
Each year, the Board adopts a resolution establishing the meeting dates for the year. The proposed meeting calendar deviates in two cases from the 2020 calendar. The April meeting has been moved to May (May 3) due to a change of the DOE-Legacy Management prime contractor. The October meeting is pushed back one week to November 1. The proposed dates for 2021 are:

February 1 (first Monday of the month)

May 3 (first Monday of the month)
June 7 (first Monday of the month)
September 13 (second Monday of the month)
November 1 (first Monday of the month)

The attached notice provisions track the Stewardship Council's bylaws and account for at least the February through June meetings being virtual.

ACTION ITEM: Adopt the meeting schedule and notice resolution

RESOLUTION
OF THE
BOARD OF DIRECTORS
OF
ROCKY FLATS STEWARDSHIP COUNCIL

regarding

2021 MEETING SCHEDULE AND NOTICE PROVISIONS

WHEREAS, pursuant to an Intergovernmental Agreement dated as of February 13, 2006, and as amended thereafter, (the "IGA"), the Rocky Flats Stewardship Council ("Stewardship Council") was established; and

WHEREAS, the Stewardship Council was created to allow local governments to work together on the continuing local oversight of the activities occurring on the Rocky Flats site to ensure that government and community interests are met with regards to long term stewardship of residual contamination and refuge management; and

WHEREAS, the Board of Directors of the Stewardship Council has a duty to perform certain obligations in order to assure the efficient operation of the Stewardship Council; and

WHEREAS, on March 6, 2006, the Board of Directors of the Stewardship Council adopted Bylaws regarding the operations of the Stewardship Council, governing, *inter alia*, meeting and notice requirements; and

WHEREAS, § 24-6-402, C.R.S., of the Colorado Sunshine Law, specifies the duty of the Board of Directors at its first regular meeting of the calendar year to designate a public posting place within the boundaries of the Stewardship Council for notices of meetings, in addition to any other means of notice; and

WHEREAS, pursuant to its Bylaws and Colorado laws, the Stewardship Council desires to establish its regular meeting schedule and location, and to designate its public posting place(s) for 2021.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ROCKY FLATS STEWARDSHIP COUNCIL THAT:

1. Meeting Schedule/Location. The Board of Directors determines to hold regular meetings the **first Monday of February, May, June, and November, and the second Monday of September at 8:30 AM**; and to hold special meetings as may be necessary, in accordance with the Bylaws of the Stewardship Council. Through June, 2021, regular and special meetings will be held virtually using Webex due to concerns surrounding the COVID-19 pandemic. Members of the public will be able to participate remotely through Webex. After June, regular and special meetings are anticipated to be held at the Rocky Mountain Metropolitan Airport Terminal Building, 11755 Airport Way, Broomfield, Colorado, or other suitable location if necessary.

2. Regular Meeting Notice. The Board of Directors determines to annually post its regular meeting schedule at the Clerk and Recorder's office of the following counties: Jefferson, Boulder, Broomfield, Adams and Weld; and at the City or Town Clerk's Office of the following cities and/or towns: Arvada, Boulder, Broomfield, Westminster, Golden, Superior, Thornton, and Northglenn, for posting in

a public place. In addition, the Board shall post its regular meeting schedule on the website established for the Stewardship Council. These notices shall remain posted throughout the year. At least seven (7) days advance notice of the regular meeting time, place and date shall be provided to the directors and alternate directors, and to those members of the public who so request. The general nature of the business proposed to be transacted or the purpose of any meeting of the Board of Directors shall be specified in the notices of such meeting where possible.

3. Special Meeting Notice. In the event of a special meeting, a notice of such special meeting shall be posted at least seventy-two (72) hours in advance at the clerks' offices of the counties, cities and towns indicated above, for posting in a public place. At least seventy-two (72) hours advance notice of the special meeting time, place and date shall be provided to the directors and alternate directors, and to those members of the public who so request. The general nature of the business proposed to be transacted at or the purpose of any meeting of the Board of Directors shall be specified in the notices of such meeting where possible. The Board of Directors' ability to act on matters brought before it at a special meeting is restricted to those items specified in the notice.

4. Emergency Meeting Notice. Should the Board of Directors determine an emergency special meeting is necessary, a notice of such emergency meeting shall be posted at least twenty-four (24) hours in advance at the clerks' offices of the counties, cities and towns indicated above in accordance with the Colorado Open Meetings Act. The general nature of the business proposed to be transacted at, or the purpose of, any meeting of the Board of Directors shall be specified in the notices of such meeting where possible. The Board of Directors' ability to act on matters brought before it at a special meeting is restricted to those items specified in the notice.

5. Additional Notification. The Stewardship Council shall maintain a list of persons who, within the previous two years, have requested notification of all meetings, or of meetings with discussions of certain specified policies, and shall provide reasonable advance notification of such meetings to the individuals.

APPROVED AND ADOPTED THIS 1st DAY OF FEBRUARY, 2021.

(SEAL)

ROCKY FLATS STEWARDSHIP COUNCIL

By: _____
Chair

ATTEST:

By: _____

ROCKY FLATS STEWARDSHIP COUNCIL
Monday, October 26th, 2020, 8:30 – 11:55 AM
Virtual Meeting via WebEx

Board members in attendance: Nancy Ford (Arvada), Sandra McDonald (Alternate, Arvada), Matt Jones (Director, Boulder County), Summer Laws (Alternate, Boulder County), Sam Weaver (Director, City of Boulder), Deven Shaff (Director, Broomfield), Heidi Henkel (Alternate, Broomfield), David Allen (Alternate, Broomfield), Jim Dale (Director, Golden), Libby Szabo (Director, Jefferson County), Pat O'Connell (Alternate, Jefferson County), Joyce Downing (Director, Northglenn), Shelley Stanley (Alternate, Northglenn), Sophie Porcelli (Alternate, Northglenn), Mark Lacis (Director, Superior), Ken Lish (Alternate, Superior), Jan Kulmann (Director, Thornton), James Boswell (Alternate, Thornton), Kathryn Skulley (Director, Westminster), Rich Seymour (Alternate, Westminster), Jeannette Hillery (Director, League of Women Voters), Linda Porter (Alternate, League of Women Voters), Roman Kohler (Rocky Flats Homesteaders), Murph Widdowfield (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), Gwen Hooten (DOE-LM), Nicole Lachance (Navarro), Dana Santi (Navarro), John Boylan (Navarro), George Squibb (Navarro), Padraic Benson (Navarro), Harry Bolton (Navarro), Ryan Wisniewski (Navarro), Lindsey Archibald (CDPHE), Lindsey Masters (CDPHE), Lauren Errico (CDPHE), Cathy Shugarts (Westminster), Laura Hubbard (Broomfield), Trea Nance (Westminster), John Crawford (Northglenn), Lynn Segal, Randy Stafford, Neshama Abraham, Chris Allred, Ramona Gaylord, Giselle Herzfeld

Convene/Agenda Review
Joyce Downing convened the meeting at 8:30 am. She noted that the Executive Committee met recently to approve the agenda.

Public Comment
Prior to the meeting and in accordance with the established written process, the following people indicated they wished to make public comment:
Giselle Herzfeld
Sasha Stiles
Chris Allred
Lynn Segal
Neshama Abraham

Giselle Herzfeld said she was a first-time attendee at a Stewardship Council meeting. She expressed her belief that public involvement and information were crucial within the Stewardship Council process. She provided several suggestions for improving the process, such as more advance notice of meetings, additional time allotted for public comment, scheduling of meetings at times more accessible to the broader public and recording, live-streaming and posting of meetings for viewing later.

Sasha Stiles was not present.

Chris Allred said he was providing comments on behalf of the Rocky Mountain Peace and Justice Center. He said that the public was calling for a halt to public recreation at Rocky Flats. He said these activities endanger people's health and said he was providing some documents as backup. He urged the Stewardship Council and local governments to make choices that protect public health.

Lynn Segal noted that she had been following Rocky Flats for decades and stated that the Rocky Flats Cleanup Agreement was adopted without public input and against strong public opposition. She said oversight was provided by agencies with a conflict of interest. She said soil remediation was sacrificed for budgetary purposes. She said she was concerned about current wildfire conditions distributing plutonium left in the soil.

Neshama Abraham was not present at this time.

Consent Agenda

The consent agenda included approval of the minutes from the September 14, 2020, meeting and the checks written since that meeting.

Jeannette Hillery moved to approve consent agenda. The motion was seconded by Nancy Ford. The motion to accept the minutes and checks passed 14-0.

Executive Director's Report

David noted that the Stewardship Council's triennial review had been initiated and that there had been some feedback from member governments regarding the schedule. He suggested that governments reach out with any questions or concerns.

He next reported on visitor numbers from the Rocky Flats Wildlife Refuge. During Fiscal Year (FY) 2019 (Oct 1, 2018 through Sep. 30, 2019), which was the first year that the Refuge was open to the public (it was previously only open to ranger-led activities), the Refuge saw 14,750 visitors. In FY20, there was a notable increase in visitors beginning in April. During the period between mid-April and mid-September 2020, there were 34,500 visitors. For the full year, USFWS is estimating there will be 40,000 visits. Mark Lacis asked when the north access point opened. David said it opened at the same time that the Refuge opened to the public. Kathryn Skulley asked if the Refuge had people sign in so they could track where they were coming from. David said he did not think this was the case, and that the tracking was more informal. Shelley Stanley asked if there were statistics about what kind of activities visitors were engaging in. David said it was a variety of activities, such as walking, biking, birdwatching, cross-country skiing, etc., but did not have a detailed breakdown.

Deven Shaff asked that Lynn Segal send in any additional comments she was not able to make during her allotted two minutes during the public comment period. He added that, due to technical issues on these calls, he would like to afford additional opportunities for comment to members of the public that were not able to get comments in earlier in the meeting.

Host DOE Quarterly Meeting

DOE was on hand to brief the Board regarding site activities for the second quarter of 2020 (April – June). The full report was posted on https://www.lm.doe.gov/Rocky_Flats/Documents.aspx Activities included surface water monitoring, groundwater monitoring, ecological monitoring, and site operations (inspections, maintenance, etc.).

Surface Water Monitoring – George Squibb

George first noted that the site had been operating under a COVID-19 Minimum Safe (MinSafe) Operations policy which began March 26 and shifted to limited operations on May 18. All required monitoring took place, groundwater treatment systems operated as normal, and the Original Landfill (OLF) maintenance project continued as scheduled following CDC guidelines.

Quarterly reports are required under the Rocky Flats Legacy Management Agreement (RFLMA).

The Rocky Flats Site remedy components include:

- Maintain two landfill covers
- Maintain three groundwater treatment systems
- Monitor surface water and groundwater
- Maintain physical controls
    - Signage
    - Access restriction
- Institutional controls
    - No occupied building construction
    - Excavation and soil-disturbance restrictions
    - No surface water consumption or agricultural use
    - No groundwater wells, except for monitoring
    - Protection of landfill covers and engineered remedy components

George reviewed the surface water monitoring locations at the site. At the OLF, routine surface water sampling in Woman Creek (downstream of the OLF, GS59) during the second quarter of 2020 showed mean concentrations for all analytes below applicable RFLMA water quality standards.

At the Present Landfill Treatment System (PLFTS), at the system effluent the arsenic concentration was 14 micrograms/liter (µg/L), exceeding the standard of 10 µg/L. According to RFLMA protocols, the sampling frequency was increased to monthly. Arsenic was measured at 4.2 µg/L in the subsequent monthly sample (below the standard of 10 µg/L) and the increased sampling frequency was discontinued. Quarterly concentrations for all other analytes were below applicable RFLMA standards. Nancy Ford asked about the requirements for increased sampling. George said that if the results are back within the normal range during the first month of increased sampling, the schedule reverts to normal. If there are three consecutive elevated samples, there is a consultation with EPA and CDPHE to evaluate whether additional response actions are required.

Shelley Stanley asked if there was sufficient flow at SW027 to get samples. George said there were two samples in the spring, and both were below the standard. She also asked about GS10. He said there was plenty of flow at this location. Deven Shaff asked how RFLMA standards compare to health standards. George referred him to the RFLMA for more information about the standards, but that the site generally has the lowest standards. Lindsay Masters added that the plutonium standard at Rocky Flats was one hundred times more protective than the drinking standard, and the uranium standard was also more protective. She noted that people could contact her with questions.

No Point of Evaluation (POE) or Point of Compliance (POC) analyte concentrations were reportable during the second quarter of 2020.

Groundwater Monitoring – John Boylan

John first reviewed the RFLMA monitoring network, which includes:

- 10 Resource Conservation and Recovery Act (RCRA) wells (sampled quarterly to evaluate potential impacts from OLF and PLF)
- 9 Area of Concern (AOC) wells and one Surface Water Support location (sampled semiannually). These are located in drainages downstream of contaminant plumes and are evaluated for plumes discharging to surface water
- 27 Sentinel wells (sampled semiannually). These are downgradient of treatment systems, edges of plumes, and in drainages, and are used to look for plumes migrating to surface water and treatment system problems
- 42 evaluation wells (sampled biennially). These are located within plumes, near source areas, and interior of Central Operable Unit (COU) and are used to evaluate whether monitoring of an area or plume can cease
- 9 treatment system locations (seven are sampled semiannually, and two are quarterly)

During the quarter, all locations were sampled, including biennial Evaluation wells. Analytical results were generally consistent with previous data. Two wells were dry (normal for these wells); data will be evaluated and discussed as part of the 2020 annual report.

One notable result of this sampling was trichloroethene (TCE) at AOC well 10304. Located next to Woman Creek, this well monitors for potential impacts to surface water from 903 Pad/Ryan's Pit Plume. TCE has been elevated here in recent years due to heavy precipitation in 2013, 2015. Result in second-quarter sample was 3.9 µg/L, above RFLMA standard of 2.5 µg/L. If sample collected in fourth quarter is above RFLMA standard, the well will be reportable for TCE and RFLMA parties will consult to determine path forward

Nancy Ford asked what happened to the contaminated sludge from the wells. John said that wells do not really accumulate sludge, but there can be silts and clay particles in the sump. Any purged water is treated in the associated treatment system.

John next reviewed treatment system activities, including the Solar Ponds Plume Treatment System (SPPTS), Mound Site Plume Collection System (MSPCS), East Trenches Plume Treatment System (ETPTS), and PLFTS. DOE conducted routine maintenance at all systems. Visits were reduced until May 18 due to MinSafe coronavirus restrictions, and system operations and conditions were monitored remotely via telemetry.

At the SPPTS, DOE is preparing design for passive drain in the earthen-floored "SPIN Vault". Rising groundwater in springtime threatens electrical components, so a new drain will replace periodic manual pumping. Also, DOE is preparing first procurement package for uranium treatment component. The phased approach is as follows:

- Initial phase: bench testing of six best technology candidates, to begin in late 2020
- Second phase: pilot testing of best performer, anticipated to begin in 2021
- Final phase: design and construction of full-scale component, expected in 2022-2023

At the MSPCS, planning began for transfer line repair project. DOE will replace cleanouts along the buried line. Fieldwork is schedule to begin in late 2020

John spoke next about battery replacement at the ETPTS. Design was completed during the second quarter of 2020, and included:

- Removing one solar panel, and reconfiguring remaining panels for efficiency
- Replacing other electrical components for better system compatibility and performance
- Replacing 96 lead-acid batteries with 8 lithium-iron-phosphate (Li-Fe-PO4) batteries
    - Design life for the lead-acid batteries: approximately 6-8 years
    - Design life for new Li-Fe-PO4 batteries: 20+ years
    - Six of the lead-acid batteries will be retained to power heaters needed to keep the new batteries from freezing

Work was completed in the third quarter of 2020. David Abelson asked John to review how the treatment systems were improved over the years. John noted that since the treatment systems were developed, the cost of solar energy had come down dramatically and batteries had been improved. Shelley Stanley said that when TCE is elevated in well 10304, a corresponding surface water sample is taken. She asked about those results for the recent event. John said this process is followed when there is a reportable condition. Therefore, it was not done in this case. Shelley then asked whether nitrogen or uranium was treated first at the Solar Ponds Plume Treatment system. John said that only nitrogen was being treated, which also removes some uranium. He added that the uranium treatment component had not yet been completed. When it is complete, the treatment system designer will determine which treatment is done first.

Heidi Henkel asked about the relationship between TCE and precipitation for well 10304. John explained that the plume is fairly static unless there is extremely heavy precipitation. With this extra water, the plume extends further downgradient towards the creek. Nancy Ford asked what they do with the sludge in the treatment systems. John explained that at the ETPTS, there is no sludge. Scale that builds up on the trays is removed with diluted acid and the liquid is then neutralized and put through the treatment system. At the SPPTS, sludge is accumulating slowly and has not required cleaning. When they do clean it out in the future, they will characterize it and treat appropriately.

Site Operations – John Boylan

John explained that an Annual Site Inspection is conducted each year to monitor for evidence of significant erosion and any violations of institutional controls. He said that the 2020 Annual Inspection was postponed to May 31 due to restrictions under the DOE coronavirus MinSafe operational status. The site team verified on March 16 that the restrictive notice for the COU remained in the Administrative Record and on file with Jefferson County.

RFLMA physical controls were also verified. Signs were inspected in June and all were found to be in good condition and legible.

Monthly and weather-related inspections at the Original Landfill were conducted on April 19, May 29, and June 22, 2020. The April inspection was combined with a weather-related inspection after rapid

snowmelt of 10 inches (April 13 and 19 storms). No issues were found. A 4- to 5-inch diameter animal burrow was discovered near the center of Seep 8B during May inspection, with no evidence of recent inhabitation.

Settlement monuments at the OLF were surveyed on June 2, 2020. Vertical settling was within design limits. Monument E was removed during the second quarter and moved slightly uphill during the third quarter. A new baseline survey to be established in next quarterly survey. Monument F moved 0.2 feet as a probable result of the earthwork and compaction activities in the area surrounding it. That movement is within allowed settlement limits. A new baseline will be established.

Also at the OLF,

- All 267 anchors installed, tested, locked off
- Anchor, perimeter, and East and West Interceptor trench drains complete
- Temporary dewatering wells no longer required, abandoned
- Berm construction, perimeter channel regrading, and cover placement complete
- Placement of turf reinforcement matting and erosion control blankets ongoing
- East Subsurface Drain continues to function as designed

At the Present Landfill, the quarterly inspection combined with a weather-related inspection on April 24 after rapid snowmelt of 10 inches. The PLF was found to be in good condition.

At former building areas 371, 771, 881, and 991, the quarterly inspection was combined with a weather-related inspection on April 28, 2020 after rapid snowmelt of 10 inches (April 13 and 19 storms). A depression located near the southeast corner of former building area 881 (December 2019) increased in depth by approximately 3 inches. The diameter remained unchanged (~3.3 ft depth; ~3 ft diameter).

At the North Walnut Creek Slump, DOE continued data collection from piezometers where possible. Slump monitoring points were surveyed on April 1, May 4, June 2, and June 30, 2020, with no substantial change shown. The maximum movement since baseline (September 5, 2017) was approximately 3 feet vertically. The main scarp crack remains open due to size of scarp face (3 to 4 feet)

David Allen asked if there was a way to inspect the collection trench at the bottom of the North Walnut Creek slump. John said that is not a good way to inspect it, but they do periodically send a water level probe into it as part of monitoring the piezometers and it seems to be in good condition.

Ecology – John Boylan

No ecology field work was conducted between April and mid-May due to coronavirus MinSafe operational status. In late May, the following activities were completed:

- Weed mapping
- Nest box surveys
- Prairie dog town surveys
- Wetland water-level surveys
- Spot weed control
- Cut willow stakes and planted around South Interceptor Ditch at OLF project

- Conducted Migratory Bird Treaty Act surveys for upcoming project activities
- Prepared materials for revegetation monitoring, Preble's mouse mitigation monitoring, and wetland mitigation monitoring to be conducted in the third quarter

Shelley Stanley asked if the site was trapping and counting the Preble's mouse. John said that USFWS tried trapping, but it was unsuccessful, indicating no mice reside at Rocky Flats. Regardless, DOE is still required to manage Rocky Flats as if the mice are present.

Public Comment

The Board agreed to reopen public comment to hear from Neshama Abraham. Neshama Abraham said she did not want the Rocky Mountain Greenway to proceed. She pointed to information from George's report regarding levels of TCE and arsenic. She thinks the public is being put at risk with any development onsite. She asked what kinds of signs exist to tell people about the risks they are facing. David Abelson said he would email her some information about this and put her in touch with the USFWS lead.

2020 Work Plan – Approval

David noted that the work plan was presented and discussed at the September 2020 meeting. Based on that conversation, he pointed out one addition regarding climate change. He asked if there were any questions from Board members. Nancy Ford asked about the Rocky Flats Cold War Museum. David said that the Museum has its own Board of Directors, and that the Stewardship Council supports their ongoing efforts and gets updates as needed. She also asked about whether there had ever been a survey of the public regarding whether a Refuge was wanted at Rocky Flats. David said there is a long history about this, but that the Refuge was a strategy to ensure that the site was not re-developed for any residential or commercial use in the future. USFWS did take public comment as decisions were made about use options. Nancy asked if the Stewardship Council could request that USFWS conduct studies about who is using the site and how they are using it. David said that the Stewardship Council could do this, however USFWS will not come to the meetings to brief while there is an open lawsuit from Superior. Sam Weaver asked about #4 in the work plan related to elevated uranium levels and whether there is any more detail in terms of a timeframe. David said there was not, but he could speak with DOE after the meeting and email the Board. Ken Lish said he would like to add re-engaging with USFWS for periodic briefings to the work plan. David said he would broach this with USFWS.

Jim Dale moved to approve the 2020 Work Plan. The motion was seconded by Sam Weaver. The motion to accept the work plan passed 14-0.

2020 Budget – Budget Hearing and Adoption

The Board reviewed the draft budget at the September 2020 meeting. No changes were offered. Prior to finalizing the budget, the Board must hold a budget hearing and allow time for public comment. Following the public hearing, the Board must approve the budget resolution. David Abelson explained that no contributions would be collected from local governments during 2021, but the budget line item of $10,000 would be drawn from prior local government contributions.

Barb Vander Wall explained the budget hearing process, in which the Chair opens the hearing, comments are received and then the Chair closes the hearing. Chris Allred asked where the funding comes from for the budget. David Abelson explained that Stewardship Council funding comes from three sources: DOE, local government contributions, and carry-over from the previous organization. Chris raised the DOE funding as a possible conflict of interest. Joyce closed the budget hearing and opened the discussion for Board members. Deven Shaff asked where the WebEx hosting costs fall in the budget. David said he thought it was under Phone/Email, but he will confirm. Deven proposed looking at augmenting this line item to allow for an outside host for future virtual meetings. David said there was enough cushion in the budget to accommodate this option and would work with the executive committee to determine whether that approach was needed for the Stewardship Council.

Jan Kulmann moved to approve the 2020 Budget. The motion was seconded by Roman Kohler. The motion to accept the budget passed 14-0.

Community Representatives Appointments

David noted that three entities applied for membership to the Rocky Flats Stewardship Council – the Rocky Flats Cold War Museum (RFCWM), Kim Griffiths, Rocky Flats Public Health Advocates (RFPHA). There were two open seats for Board membership. David explained that each entity would have the opportunity to speak for 3-5 minutes, followed by a Q&A session with the Board. Once this process is complete, voting will begin. Only member government entities are entitled to vote. Each government will be able to vote for two entities. If there is a clear winner after the first round, the process will be complete. If there is a tie, a second round of votes will proceed until two winners have been identified.

Rocky Flats Cold War Museum (Murph Widdowfield): Murph noted that the RFCWM continues to operate very carefully with regard to COVID precautions, including cutting back on all speaking engagements. The RFCWM's income has diminished greatly, but they did receive some small grants to secure storage space. They could use funding from DOE to ensure continued safe storage of their artifact collection from the site. He said the RFCWM Board would like to continue serving on the Stewardship Council because of the information it has access to that it can share with people who contact the museum.

> Q&A: Nancy Ford asked Murph how the RFCWM added value to the Stewardship Council. Murph said the RFCWM has a broad membership, including historical voices which can be passed along to the Stewardship Council. She asked about possible duplication of perspectives between the Rocky Flats Homesteaders and the RFCWM. Murph noted that the RFCWM gets a lot of attention and inquiries from media and is a resource for global questions about Rocky Flats.

Kim Griffiths: Kim said she was a Candelas resident and had attended all Stewardship Council meetings since her term began three years ago, as well as all but one Executive Committee meeting. She said she has served as a conduit of information to Candelas residents and had organized a community meeting to address concerns about soil sampling. She believes her inclusion on the Stewardship Council as an important voice for the future of Rocky Flats and the surrounding areas. She said she recognizes the legacy of Rocky Flats history but is interested in forward thinking. Kim said that the vigilance of the Stewardship Council is necessary to ensure the oversight and confirmed safety of the area.

Q&A: Nancy Ford referred to a statement in Kim's application that mentioned some concerns about her seat on the Board being primarily motivated by property values in Candelas and asked if she thought that this could be a conflict of interest. Kim said the property values were never a motivation for her and she does not see any conflict of interest any different than other members of the Board. Nancy asked if Kim thought she could keep an open mind to differing points of view. Kim said she definitely keeps an open mind and has spent many years studying and listening about Rocky Flats issue. Nancy asked Kim to explain her comments about 'tribalism and ideological entrenchment'. She said in her opinion, some questions are legitimate but there was also an ideology that will not allow certain people to accept the compelling evidence that disproves their views. Nancy also asked for Kim's professional background. Kim said she had been an ICU nurse, and also worked in healthcare systems. She also serves on the board of Donor Alliance and the American Health Care Association. Deven Shaff asked about her time constraints, as her application was cut off in this section. Kim said her track record demonstrated her commitment and she did not have any constraints on her time. Heidi Henkel asked about how Kim presented herself and her representation during the community meeting she mentioned. Kim said the meeting was publicized through NextDoor and the Candelas email system. Kim said she announced at the beginning of the meeting that while she was a member of the Stewardship Council, she was not representing the Board at the meeting. Kim noted that the slide deck from the meeting was provided to Stewardship Council for information. Ken Lish brought up a statement of Kim's that mentioned being unnerved by some local government questions about the relevance of scientific data. He asked who she was referring to. She explained her comment but did not want to name specific people she was referring to.

Rocky Flats Public Health Advocates (Randy Stafford and Ramona Gaylord): Randy provided some information about his background growing up in the area, including the fact that his aunt and uncle worked at Rocky Flats. Randy said he was a mathematician and computer scientist and had worked as software architect. In his job, he uses root cause analysis and scientific method to test hypotheses. He has performed extensive research on Rocky Flats and the Stewardship Council. Ramona said that she grew up in Wheat Ridge and currently resides in Telluride. She is a biologist and has advocated for conservation. She feels it is important for the Board to be represented by diverse viewpoints, and that Randy would bring important perspectives to the group. Randy said that he wrote a position paper for the advisory committee for the Jefferson County Parkway Public Highway Authority. Randy finished by challenging the local government members to live up to their stated mission in the membership application letter to balance those with knowledge of Rocky Flats with adding new perspectives and engaging new constituencies.

Q&A: Nancy Ford asked about the statement in his application that he represents 100,000 individuals and groups and asked for an explanation. Randy said he developed an estimate using population data for communities surrounding Rocky Flats. Nancy asked if he believed he could interact openly with people with different points of view. Randy said he could and that he had already demonstrated this through his prior involvement. Jim Dale asked about any specific public health expertise within his organization, such as experts in epidemiology. Randy said that the group was recently incorporated, and he is in the process of creating a Board. The membership represents a broad variety of professions and experience. He said there was no epidemiologist that he knew of. Deven Shaff asked Ramona about what she could bring to the Board based on her biology background. She said she had worked with endangered and indigenous native species, and prairie dogs in particular. She said she could provide information

related to wildlife impacts and conservation efforts at the site. Libby asked where both Randy and Ramona resided. Ramona said she splits her time between Telluride and Wheat Ridge. Randy said he lives in Ken Caryl. She asked Randy about his involvement in a lawsuit against USFWS. He said he was asked to be a witness by plaintiffs in a pending lawsuit, and during the proceedings he was asked about his potential usage of the Refuge and about endangered species. He said he thought he would be discussing his research into offsite contamination. Libby asked about a potential conflict of interest. Randy said there was none, and that he was no longer involved in any part of the lawsuit. Sam Weaver asked about Randy's testimony to Broomfield June 2019 Study Session in which he critiqued CDPHE's studies and other topics related to scientific methodologies and how this could be reconciled in terms of having an open mind on future Stewardship Council discussions. Joyce asked if Randy had ever been a member of the Rocky Mountain Peace and Justice Center. He said he paid dues in 2018, and said his membership was related to the lawsuit which he was asked to be part of. He said he had no other affiliation with the Peace Center.

Voting:

Northglenn – RFCWM, Kim Griffiths
Thornton – RFCWM, Kim Griffiths
Boulder County – RFCWM, Kim Griffiths
Jefferson County – RFCWM, Kim Griffiths
Broomfield – RFCWM, RFPHA
Superior– RFCWM, RFPHA
Boulder – RFCWM, Kim Griffiths
Golden– RFCWM, Kim Griffiths
Arvada– RFCWM, Kim Griffiths
Westminster – RFCWM, Kim Griffiths

TOTALS: RFCWM (10), Kim Griffiths (8), RFPHA (2)

Based on the voting, the RFCWM and Kim Griffiths were appointed to the Board beginning at the February 2021 meeting. Nancy Ford noted that if residency near Rocky Flats is to be a requirement for membership, it should be incorporated into the Bylaws. David said this could be discussed prior to the next round of appointments next fall.

Board Roundtable

Deven Shaff asked that David look into recording and posting the Board meetings moving forward. David said that the meetings are recorded, and he shares the link upon request. Lynn Segal requested the link. Deven also announced that Broomfield would be considering a resolution to withdraw from the Rocky Mountain Greenway project at the Broomfield Council meeting the following night.

Kathryn Skulley announced that Westminster was hosting water/sewer rate workshops and the information was posted on their website.

Matt Jones brought up the suggestions from the beginning of the meeting regarding public comment and said he thought the Board should try to accommodate these ideas as much as possible.

Big Picture/Additional Questions/Issue Identification

February 1, 2021

Potential Business Items

- Elect 2021 Officers
- Adopt Resolution re: 2021 Meeting Dates

Potential Briefing Items

- DOE Quarterly Update

April 5, 2021

Potential Briefing Items

- Climate Impacts, Adaptation and Resilience

Issues to watch:

- Uranium exceedances in surface water
- Trichloroethylene (TCE) exceedances in groundwater
- Changes to the Solar Ponds Plume Treatment System
- Status of OLF

The meeting was adjourned at 11:55 am.

Respectfully submitted by Erin Rogers.

Rocky Flats Stewardship Council
Check Detail 2021
October 14, 2020 through January 11, 2021

Type	Num	Date	Name	Account	Paid Amount	Original Amount
Check		**10/28/2020**		**CASH-Wells Fargo-Operating**		**-3.50**
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check		**11/30/2020**		**CASH-Wells Fargo-Operating**		**-3.50**
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check		**12/28/2020**		**CASH-Wells Fargo-Operating**		**-3.50**
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Check	**2064**	**11/07/2020**	**Century Link**	**CASH-Wells Fargo-Operating**		**-26.62**
				Telecommunications	-26.62	26.62
TOTAL					-26.62	26.62
Bill Pmt -Check	**2065**	**11/07/2020**	**Seter & Vander Wall, P.C.**	**CASH-Wells Fargo-Operating**		**-3,548.25**
Bill	80958	08/31/2020		Attorney Fees	-185.50	185.50
Bill	81118	09/30/2020		Attorney Fees	-3,362.75	3,362.75
TOTAL					-3,548.25	3,548.25
Bill Pmt -Check	**2066**	**11/07/2020**	**Crescent Strategies, LLC**	**CASH-Wells Fargo-Operating**		**-7,892.89**
Bill	10/31/20 Billing	10/31/2020		Personnel - Contract	-7,750.00	7,750.00
				TRAVEL-Local	-18.40	18.40
				Postage	-17.99	17.99
				Telecommunications	-106.50	106.50
TOTAL					-7,892.89	7,892.89
Bill Pmt -Check	**2067**	**11/07/2020**	**Jennifer A. Bohn**	**CASH-Wells Fargo-Operating**		**-520.00**
Bill	20-75	10/31/2020		Accounting Fees	-520.00	520.00
TOTAL					-520.00	520.00
Check	**2068**	**12/10/2020**	**Century Link**	**CASH-Wells Fargo-Operating**		**-26.56**
				Telecommunications	-26.56	26.56
TOTAL					-26.56	26.56
Bill Pmt -Check	**2069**	**12/10/2020**	**Crescent Strategies, LLC**	**CASH-Wells Fargo-Operating**		**-7,892.89**
Bill	11/30/20 Billing	11/30/2020		Personnel - Contract	-7,750.00	7,750.00
				TRAVEL-Local	-18.40	18.40
				Postage	-17.99	17.99
				Telecommunications	-106.50	106.50
TOTAL					-7,892.89	7,892.89
Bill Pmt -Check	**2070**	**12/10/2020**	**Jennifer A. Bohn**	**CASH-Wells Fargo-Operating**		**-342.00**
Bill	20-77	11/30/2020		Accounting Fees	-342.00	342.00
TOTAL					-342.00	342.00
Bill Pmt -Check	**2071**	**12/10/2020**	**Seter & Vander Wall, P.C.**	**CASH-Wells Fargo-Operating**		**-5,352.74**
Bill	81287	10/31/2020		Attorney Fees	-4,574.74	4,574.74
Bill	81434	11/30/2020		Attorney Fees	-778.00	778.00
TOTAL					-5,352.74	5,352.74
Check	**2072**	**01/03/2021**	**Century Link**	**CASH-Wells Fargo-Operating**		**-26.76**
				Telecommunications	-26.76	26.76
TOTAL					-26.76	26.76

Rocky Flats Stewardship Council
Check Detail 2021
October 14, 2020 through January 11, 2021

Type	Num	Date	Name	Account	Paid Amount	Original Amount
Bill Pmt -Check	**2073**	**01/03/2021**	**Crescent Strategies, LLC**	**CASH-Wells Fargo-Operating**		**-8,577.49**
Bill	12/31/20 Billing	12/31/2020		Personnel - Contract	-7,750.00	7,750.00
				TRAVEL-Local	-24.15	24.15
				Postage	-381.99	381.99
				Telecommunications	-106.50	106.50
				Website	-314.85	314.85
TOTAL					-8,577.49	8,577.49
Bill Pmt -Check	**2074**	**01/03/2021**	**Erin Rogers**	**CASH-Wells Fargo-Operating**		**-400.00**
Bill	12/21/20 Invoice	12/21/2020		Personnel - Contract	-350.00	350.00
				Website	-50.00	50.00
TOTAL					-400.00	400.00
Bill Pmt -Check	**2075**	**01/03/2021**	**Jennifer A. Bohn**	**CASH-Wells Fargo-Operating**		**-170.00**
Bill	20-80	12/31/2020		Accounting Fees	-170.00	170.00
TOTAL					-170.00	170.00

DOE Quarterly Report

- Cover memo
- Selection of quarterly report

ROCKY FLATS STEWARDSHIP COUNCIL

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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

MEMORANDUM

TO: Stewardship Council Board of Directors
FROM: Melissa Weakley
SUBJECT: DOE's Quarterly Report (Q3 2020) Briefing
DATE: January 12, 2021

DOE will present an overview of remedy-related surveillance, monitoring, and maintenance activities conducted at Rocky Flats during the third quarter (July 1 to September 30) of calendar year 2020. The full report can be accessed here: https://www.lm.doe.gov/Rocky_Flats/S32823_3Q2020.pdf.

Quarterly Report Summary

- **COVID-19 Protocols**: On March 26, 2020, DOE initiated "Minimum Safe" (Min Safe) operational requirements and protocols in response to the coronavirus pandemic. Min Safe entails minimizing staff presence and activities at all Legacy Management sites, including Rocky Flats and the associated office building. Only the most critical activities were performed. Restrictions were reduced slightly beginning May 18, allowing additional field activities to be conducted as described in the full report. Those restrictions continued throughout the quarter.

- **Present Landfill (PLF)**: The PLF quarterly inspection was conducted on August 11. No issues were identified.

- **Original Landfill (OLF)**: The OLF monthly inspections were conducted on July 20, August 18, and September 15.
    - During the July inspection, an animal burrow was found near the west end of Berm 7. No evidence of recent inhabitation was noted. The burrow was backfilled with hand tools and did not reappear in later inspections.
    - No issues were found during the August and September inspections.
    - The OLF Slope Stabilization Project was completed, with all equipment and support infrastructure demobilized, at the end of August.

- **North Walnut Creek Slump**
    - Slump movement continued during the quarter; the hillside moved 0.3 feet on average, both vertically and laterally (the hillside has moved a total of 3 to 4.5 feet along the scarp since the hillside was regraded in 2017).
    - Soils are also heaving along the toe of the slope because of the scarp's continued movement.

- **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 July 6, 2020.
    - Arsenic was detected at a concentration of 22 micrograms per liter (µg/L), above the surface water standard of 10 µg/L.
    - This result triggered an increase in sampling frequency from quarterly to monthly.
    - In the subsequent monthly sample (collected August 4, 2020), arsenic was detected at a concentration of 4.4 µg/L, which is below the standard, and the sampling frequency was returned to quarterly.
    - All other analyte concentrations in the effluent samples were below applicable standards for the quarter.

- **Groundwater Monitoring:** Fifteen (15) 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 2020.

- **Surface Water Monitoring:** A total of 5 composite surface water samples, 2 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.

Attachments

Q3 2020 Report Cover Page, Table of Contents, and Abbreviations
Original Landfill Figure
Rocky Flats Site Water Monitoring Locations
Analytical Results for Water Samples

LMS/RFS/S32823

Rocky Flats Site, Colorado, Quarterly Report of Site Surveillance and Maintenance Activities Third Quarter Calendar Year 2020

January 2021

U.S. DEPARTMENT OF ENERGY | Legacy Management

Contents

Figures

Appendixes

Abbreviations

Am	americium
AMP	Adaptive Management Plan
AOC	Area of Concern
BMP	best management practice
CAD/ROD	Corrective Action Decision/Record of Decision
COU	Central Operable Unit
CY	calendar year
DOE	U.S. Department of Energy
ETPTS	East Trenches Plume Treatment System
IC	institutional control
LM	Office of Legacy Management
mg/L	milligrams per liter
µg/L	micrograms per liter
minsafe	minimum safe
MSPCS	Mound Site Plume Collection System
MSPTS	Mound Site Plume Treatment System
N	nitrogen
OLF	Original Landfill
pCi/L	picocuries per liter
PLF	Present Landfill
PLFTS	Present Landfill Treatment System
PMJM	Preble's meadow jumping mouse
POC	Point of Compliance
POE	Point of Evaluation
Pu	plutonium
RCRA	Resource Conservation and Recovery Act
RFLMA	*Rocky Flats Legacy Management Agreement*
RFSOG	Rocky Flats Site Operations Guide
SPPTS	Solar Ponds Plume Treatment System

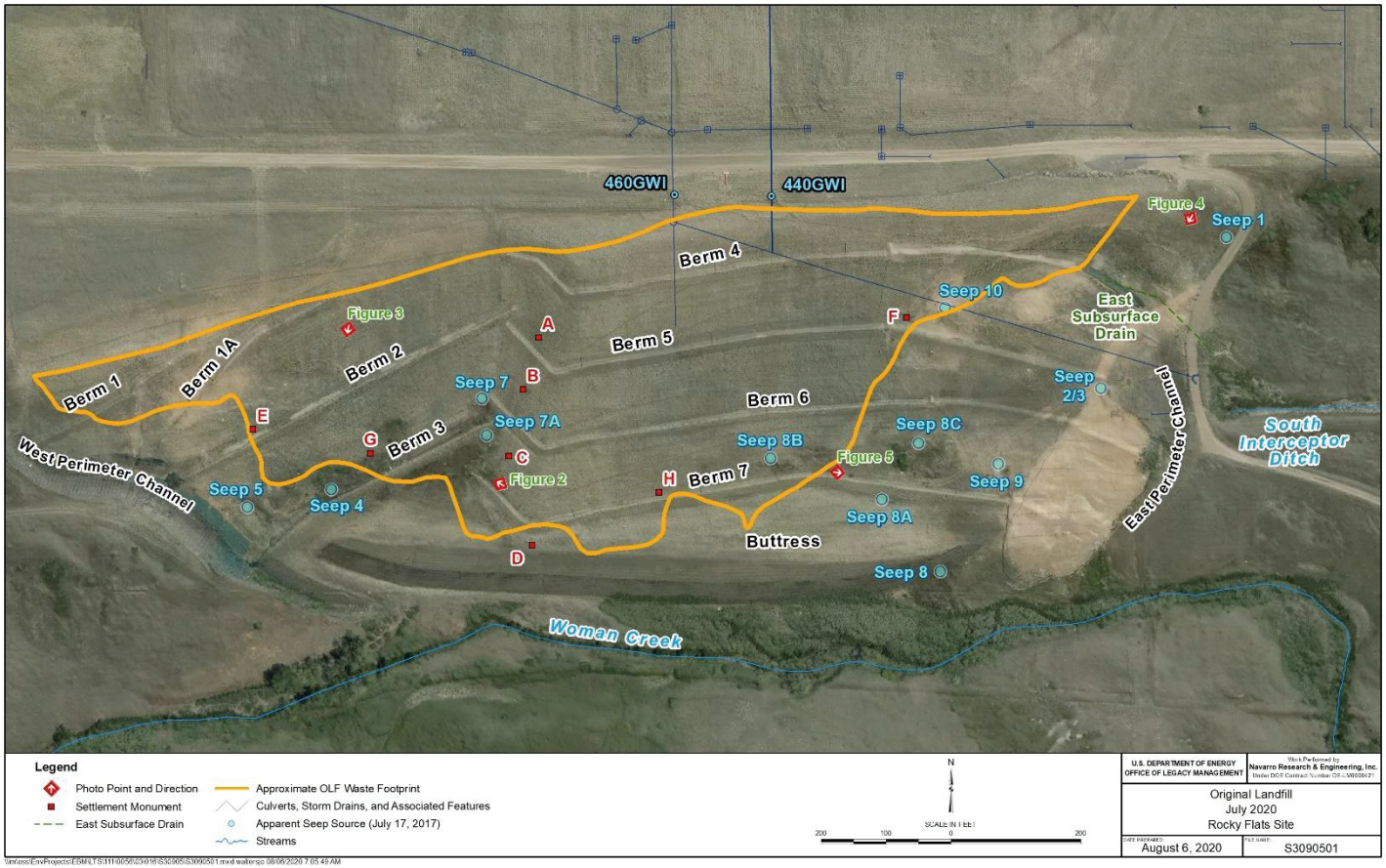

Figure 1. OLF Key Features and Locations and Direction of Report Figure Photographs, Rocky Flats Site, Colorado

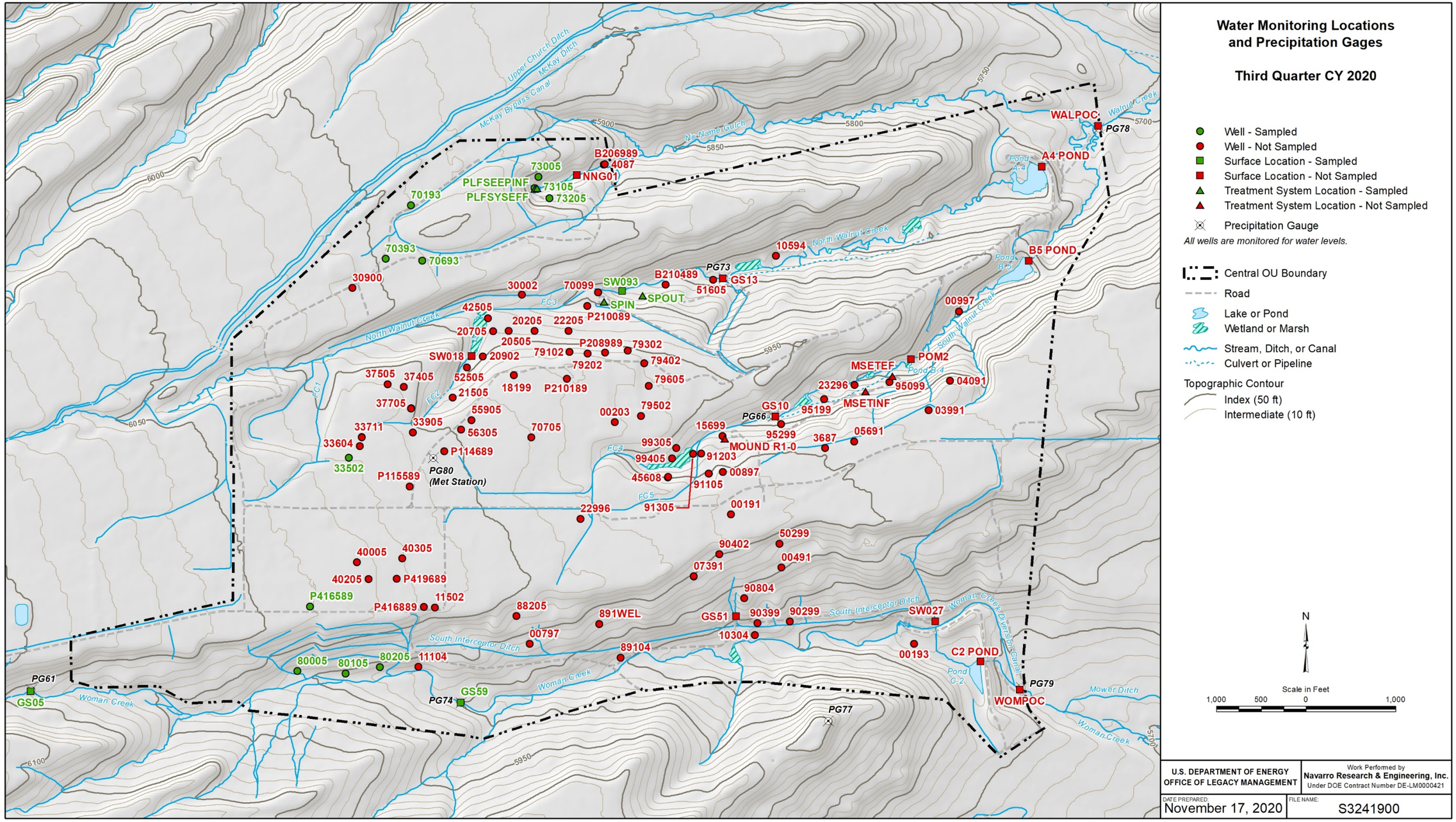

Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gauges

RFLMA Data

LOCATION_CODE	LOCATION_TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS
33502	WL	8/25/2020	RFS01-10.2008032-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F
33502	WL	8/25/2020	RFS01-10.2008032-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F
33502	WL	8/25/2020	RFS01-10.2008032-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		F
33502	WL	8/25/2020	RFS01-10.2008032-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F
33502	WL	8/25/2020	RFS01-10.2008032-001	95-50-1	1,2-Dichlorobenzene	N	1.8	ug/L		F	0.15		F
33502	WL	8/25/2020	RFS01-10.2008032-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F
33502	WL	8/25/2020	RFS01-10.2008032-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F
33502	WL	8/25/2020	RFS01-10.2008032-001	541-73-1	1,3-Dichlorobenzene	N	4.9	ug/L		F	0.13		F
33502	WL	8/25/2020	RFS01-10.2008032-001	106-46-7	1,4-Dichlorobenzene	N	37	ug/L		F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	71-43-2	Benzene	N	5.6	ug/L		F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F
33502	WL	8/25/2020	RFS01-10.2008032-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F
33502	WL	8/25/2020	RFS01-10.2008032-001	108-90-7	Chlorobenzene	N	0.54	ug/L	J	F	0.17		F
33502	WL	8/25/2020	RFS01-10.2008032-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F
33502	WL	8/25/2020	RFS01-10.2008032-001	156-59-2	cis-1,2-Dichloroethene	N	0.31	ug/L	J	F	0.15		F
33502	WL	8/25/2020	RFS01-10.2008032-001	100-41-4	Ethylbenzene	N	0.62	ug/L	J	F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F
33502	WL	8/25/2020	RFS01-10.2008032-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F
33502	WL	8/25/2020	RFS01-10.2008032-001	91-20-3	Naphthalene	N	0.9	ug/L	J	F	0.22		F
33502	WL	8/25/2020	RFS01-10.2008032-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F
33502	WL	8/25/2020	RFS01-10.2008032-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		F
33502	WL	8/25/2020	RFS01-10.2008032-001	108-88-3	Toluene	N	1.6	ug/L		F	0.17		F
33502	WL	8/25/2020	RFS01-10.2008032-001	1330-20-7	Total Xylenes	N	2.8	ug/L		F	0.19		F
33502	WL	8/25/2020	RFS01-10.2008032-001	156-60-5	trans-1,2-Dichloroethene	N	0.63	ug/L	J	F	0.15		F
33502	WL	8/25/2020	RFS01-10.2008032-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		F
33502	WL	8/25/2020	RFS01-10.2008032-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F
70193	WL	7/16/2020	RFS01-10.2007029-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-42-8	Boron	Y	21	ug/L	J B	F	4.4		FQU
70193	WL	7/16/2020	RFS01-10.2007029-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	87-68-3	Hexachlorobutadiene	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
70193	WL	7/16/2020	RFS01-10.2007029-001	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7439-97-6	Mercury	Y	0.027	ug/L	J W	F	0.027		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-02-0	Nickel	Y	0.3	ug/L	U	F	0.3		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7782-49-2	Selenium	Y	4.9	ug/L		F	0.37		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-61-1	Uranium	Y	0.083	ug/L	J	F	0.05		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
70193	WL	7/16/2020	RFS01-10.2007029-001	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	75-35-4	1,1-Dichloroethene	N	1.4	ug/L		F	0.23		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-42-8	Boron	Y	8.2	ug/L	J B	F	4.4		FQU
70393	WL	7/16/2020	RFS01-10.2007029-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7439-97-6	Mercury	Y	0.027	ug/L	J	F	0.027		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.3		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7782-49-2	Selenium	Y	1.1	ug/L	J	F	0.37		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	127-18-4	Tetrachloroethene	N	0.97	ug/L	J	F	0.2		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ

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70393	WL	7/16/2020	RFS01-10.2007029-002	79-01-6	Trichloroethene	N	4.6	ug/L		F	0.16		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
70393	WL	7/16/2020	RFS01-10.2007029-002	7440-66-6	Zinc	Y	4	ug/L	J	F	2		FQ
70693	WL	7/16/2020	RFS01-10.2007029-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F
70693	WL	7/16/2020	RFS01-10.2007029-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F
70693	WL	7/16/2020	RFS01-10.2007029-003	75-35-4	1,1-Dichloroethene	N	0.89	ug/L	J	F	0.23		F
70693	WL	7/16/2020	RFS01-10.2007029-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		F
70693	WL	7/16/2020	RFS01-10.2007029-003	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		F
70693	WL	7/16/2020	RFS01-10.2007029-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		F
70693	WL	7/16/2020	RFS01-10.2007029-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		F
70693	WL	7/16/2020	RFS01-10.2007029-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		F
70693	WL	7/16/2020	RFS01-10.2007029-003	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		F
70693	WL	7/16/2020	RFS01-10.2007029-003	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-42-8	Boron	Y	26	ug/L	J B	F	4.4		F
70693	WL	7/16/2020	RFS01-10.2007029-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		F
70693	WL	7/16/2020	RFS01-10.2007029-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		F
70693	WL	7/16/2020	RFS01-10.2007029-003	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		F
70693	WL	7/16/2020	RFS01-10.2007029-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		F
70693	WL	7/16/2020	RFS01-10.2007029-003	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-50-8	Copper	Y	0.84	ug/L	J	F	0.56		F
70693	WL	7/16/2020	RFS01-10.2007029-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		F
70693	WL	7/16/2020	RFS01-10.2007029-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F
70693	WL	7/16/2020	RFS01-10.2007029-003	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-02-0	Nickel	Y	0.56	ug/L	J	F	0.3		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7782-49-2	Selenium	Y	0.98	ug/L	J	F	0.37		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		F
70693	WL	7/16/2020	RFS01-10.2007029-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F
70693	WL	7/16/2020	RFS01-10.2007029-003	127-18-4	Tetrachloroethene	N	0.61	ug/L	J	F	0.2		F
70693	WL	7/16/2020	RFS01-10.2007029-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		F
70693	WL	7/16/2020	RFS01-10.2007029-003	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		F
70693	WL	7/16/2020	RFS01-10.2007029-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		F
70693	WL	7/16/2020	RFS01-10.2007029-003	79-01-6	Trichloroethene	N	1.9	ug/L		F	0.16		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-61-1	Uranium	Y	0.05	ug/L	U	F	0.05		F
70693	WL	7/16/2020	RFS01-10.2007029-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		F
70693	WL	7/16/2020	RFS01-10.2007029-003	7440-66-6	Zinc	Y	2.1	ug/L	J	F	2		F
73005	WL	7/16/2020	RFS01-10.2007029-004	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ

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73005	WL	7/16/2020	RFS01-10.2007029-004	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-42-8	Boron	Y	40	ug/L	B	F	4.4		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-50-8	Copper	Y	0.68	ug/L	J	F	0.56		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-02-0	Nickel	Y	1.1	ug/L	J	F	0.3		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7782-49-2	Selenium	Y	5	ug/L		F	0.37		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-61-1	Uranium	Y	37	ug/L		F	0.05		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73005	WL	7/16/2020	RFS01-10.2007029-004	7440-66-6	Zinc	Y	3.4	ug/L	J	F	2		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-42-8	Boron	Y	120	ug/L	B	F	4.4		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		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
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-02-0	Nickel	Y	3.2	ug/L		F	0.3		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-61-1	Uranium	Y	20	ug/L		F	0.05		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73105	WL	7/14/2020	RFS01-10.2007029-005	7440-66-6	Zinc	Y	3.6	ug/L	J	F	2		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-38-2	Arsenic	Y	0.58	ug/L	J	F	0.33		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-42-8	Boron	Y	68	ug/L	B	F	4.4		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-50-8	Copper	Y	1.2	ug/L	J	F	0.56		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-02-0	Nickel	Y	2.7	ug/L		F	0.3		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7782-49-2	Selenium	Y	240	ug/L		F	0.37		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ

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73205	WL	7/14/2020	RFS01-10.2007029-006	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-61-1	Uranium	Y	130	ug/L		F	0.05		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
73205	WL	7/14/2020	RFS01-10.2007029-006	7440-66-6	Zinc	Y	4.2	ug/L	J	F	2		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	120-12-7	Anthracene	N	0.013	ug/L	U	F	0.013		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U	F	0.0077		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-42-8	Boron	Y	52	ug/L		F	4.4		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	91-20-3	Naphthalene	N	0.005	ug/L	U	F	0.005		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-02-0	Nickel	Y	0.48	ug/L	J	F	0.3		FQ
80005	WL	7/20/2020	RFS01-10.2007030-008	129-00-0	Pyrene	N	0.0076	ug/L	U	F	0.0076		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7782-49-2	Selenium	Y	0.5	ug/L	J	F	0.37		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		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
80005	WL	7/20/2020	RFS01-10.2007030-007	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-61-1	Uranium	Y	7	ug/L		F	0.05		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80005	WL	7/20/2020	RFS01-10.2007030-007	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.54	ug/L	U	F	0.54		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	F	0.37		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	67-72-1	Hexachloroethane	N	0.95	ug/L	U N *	F	0.95		FQ
80005	WL	8/13/2020	RFS01-10.2008031-007	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-42-8	Boron	Y	140	ug/L		F	4.4		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-50-8	Copper	Y	1.8	ug/L	J	F	0.56		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	91-20-3	Naphthalene	N	0.0051	ug/L	U	F	0.0051		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-02-0	Nickel	Y	0.3	ug/L	U	F	0.3		FQ
80105	WL	7/23/2020	RFS01-10.2007030-010	129-00-0	Pyrene	N	0.0077	ug/L	U	F	0.0077		FQ

RFLMA Data

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80105	WL	7/23/2020	RFS01-10.2007030-009	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-61-1	Uranium	Y	11	ug/L		F	0.05		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80105	WL	7/23/2020	RFS01-10.2007030-009	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.55	ug/L	U	F	0.55		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	F	0.37		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	131-11-3	Dimethyl phthalate	N	0.21	ug/L	U	F	0.21		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	67-72-1	Hexachloroethane	N	0.96	ug/L	U N *	F	0.96		FQ
80105	WL	8/13/2020	RFS01-10.2008031-009	78-59-1	Isophorone	N	0.21	ug/L	U	F	0.21		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	D	0.21		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	D	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	D	0.13		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	D	0.18		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	D	0.13		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	83-32-9	Acenaphthene	N	0.011	ug/L	U	F	0.011		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	83-32-9	Acenaphthene	N	0.01	ug/L	U	D	0.01		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	120-12-7	Anthracene	N	0.014	ug/L	U	D	0.014		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-38-2	Arsenic	Y	0.33	ug/L	U	D	0.33		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	71-43-2	Benzene	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	50-32-8	Benzo(a)pyrene	N	0.0051	ug/L	U	F	0.0051		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	50-32-8	Benzo(a)pyrene	N	0.005	ug/L	U	D	0.005		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	191-24-2	Benzo(g,h,i)Perylene	N	0.0081	ug/L	U	F	0.0081		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	191-24-2	Benzo(g,h,i)Perylene	N	0.0079	ug/L	U	D	0.0079		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-41-7	Beryllium	Y	0.08	ug/L	U	D	0.08		FQ

RFLMA Data

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80205	WL	7/23/2020	RFS01-10.2007030-011	7440-42-8	Boron	Y	78	ug/L		F	4.4		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-42-8	Boron	Y	77	ug/L		D	4.4		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	75-25-2	Bromoform	N	0.46	ug/L	U	D	0.46		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-43-9	Cadmium	Y	0.27	ug/L	U	D	0.27		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	D	0.19		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	108-90-7	Chlorobenzene	N	0.17	ug/L	U	D	0.17		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	67-66-3	Chloroform	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	74-87-3	Chloromethane	N	0.3	ug/L	U	D	0.3		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-47-3	Chromium	Y	2	ug/L		D	0.5		FQU
80205	WL	7/23/2020	RFS01-10.2007030-012	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	218-01-9	Chrysene	N	0.012	ug/L	U	D	0.012		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-50-8	Copper	Y	0.56	ug/L	U	D	0.56		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	53-70-3	Dibenz(a,h)anthracene	N	0.0048	ug/L	U	F	0.0048		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	53-70-3	Dibenz(a,h)anthracene	N	0.0047	ug/L	U	D	0.0047		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	100-41-4	Ethylbenzene	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	206-44-0	Fluoranthene	N	0.034	ug/L	U	F	0.034		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	206-44-0	Fluoranthene	N	0.034	ug/L	U	D	0.034		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	86-73-7	Fluorene	N	0.019	ug/L	U	F	0.019		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	86-73-7	Fluorene	N	0.018	ug/L	U	D	0.018		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	D	0.36		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7439-92-1	Lead	Y	0.18	ug/L	U	D	0.18		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7439-97-6	Mercury	Y	0.027	ug/L	U	F	0.027		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7439-97-6	Mercury	Y	0.027	ug/L	U	D	0.027		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	91-20-3	Naphthalene	N	0.0053	ug/L	U	F	0.0053		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	91-20-3	Naphthalene	N	0.0052	ug/L	U	D	0.0052		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-02-0	Nickel	Y	4.6	ug/L		F	0.3		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-02-0	Nickel	Y	4.1	ug/L		D	0.3		FQ
80205	WL	7/23/2020	RFS01-10.2007030-012	129-00-0	Pyrene	N	0.008	ug/L	U	F	0.008		FQ
80205	WL	7/23/2020	RFS01-10.2007030-016	129-00-0	Pyrene	N	0.0078	ug/L	U	D	0.0078		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7782-49-2	Selenium	Y	0.37	ug/L	U	D	0.37		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-22-4	Silver	Y	0.04	ug/L	J	F	0.033		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-22-4	Silver	Y	0.033	ug/L	U	D	0.033		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	D	0.2		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ

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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
80205	WL	7/23/2020	RFS01-10.2007030-015	108-88-3	Toluene	N	0.17	ug/L	U	D	0.17		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	1330-20-7	Total Xylenes	N	0.19	ug/L	U	D	0.19		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	D	0.15		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	79-01-6	Trichloroethene	N	0.16	ug/L	U	D	0.16		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-61-1	Uranium	Y	33	ug/L		F	0.05		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-61-1	Uranium	Y	32	ug/L		D	0.05		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	75-01-4	Vinyl chloride	N	0.1	ug/L	U	D	0.1		FQ
80205	WL	7/23/2020	RFS01-10.2007030-011	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ
80205	WL	7/23/2020	RFS01-10.2007030-015	7440-66-6	Zinc	Y	2	ug/L	U	D	2		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.55	ug/L	U	F	0.55		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	84-66-2	Diethyl phthalate	N	0.37	ug/L	U	F	0.37		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	131-11-3	Dimethyl phthalate	N	0.21	ug/L	U	F	0.21		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	67-72-1	Hexachloroethane	N	0.96	ug/L	U N *	F	0.96		FQ
80205	WL	8/13/2020	RFS01-10.2008031-011	78-59-1	Isophorone	N	0.21	ug/L	U	F	0.21		FQ
GS05	SL	7/6/2020	RFS01-02.2007027-001	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
GS05	SL	7/6/2020	RFS01-02.2007027-001	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
GS05	SL	7/6/2020	RFS01-02.2007027-001	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
GS05	SL	7/6/2020	RFS01-02.2007027-001	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
GS05	SL	7/6/2020	RFS01-02.2007027-001	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		
GS05	SL	7/6/2020	RFS01-02.2007027-001	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
GS05	SL	7/6/2020	RFS01-02.2007027-001	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
GS05	SL	7/6/2020	RFS01-02.2007027-001	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
GS05	SL	7/6/2020	RFS01-02.2007027-001	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
GS05	SL	7/6/2020	RFS01-02.2007027-001	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
GS05	SL	7/6/2020	RFS01-02.2007027-001	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
GS05	SL	7/6/2020	RFS01-02.2007027-001	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
GS05	SL	7/6/2020	RFS01-02.2007027-001	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS05	SL	7/6/2020	RFS01-02.2007027-001	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
GS05	SL	7/6/2020	RFS01-02.2007027-001	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
GS05	SL	7/6/2020	RFS01-02.2007027-001	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
GS05	SL	7/6/2020	RFS01-02.2007027-001	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		
GS05	SL	7/6/2020	RFS01-02.2007027-001	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
GS05	SL	7/6/2020	RFS01-02.2007027-001	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
GS05	SL	7/6/2020	RFS01-02.2007027-001	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
GS05	SL	7/6/2020	RFS01-02.2007027-001	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		
GS05	SL	7/6/2020	RFS01-02.2007027-001	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS05	SL	7/6/2020	RFS01-02.2007027-001	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
GS05	SL	7/6/2020	RFS01-02.2007027-001	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
GS05	SL	7/6/2020	RFS01-02.2011031-009	7440-38-2	Arsenic	N	0.71	ug/L	J B	F	0.33		U
GS05	SL	7/6/2020	RFS01-02.2011031-009	7440-41-7	Beryllium	N	0.082	ug/L	J B	F	0.08		U
GS05	SL	7/6/2020	RFS01-02.2011031-009	7440-42-8	Boron	N	9.5	ug/L	J	F	4.4		

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GS05	SL	7/6/2020	RFS01-02.2011031-001	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
GS05	SL	7/6/2020	RFS01-02.2011031-009	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5		
GS05	SL	7/6/2020	RFS01-02.2011031-001	7440-50-8	Copper	Y	2.3	ug/L		F	0.56		
GS05	SL	7/6/2020	RFS01-02.2011031-001	7439-92-1	Lead	Y	0.21	ug/L	J	F	0.18		U
GS05	SL	7/6/2020	RFS01-02.2011031-001	7440-02-0	Nickel	Y	0.46	ug/L	J	F	0.3		
GS05	SL	7/6/2020	RFS01-02.2011031-009	7782-49-2	Selenium	N	1.7	ug/L	J B	F	0.37		U
GS05	SL	7/6/2020	RFS01-02.2011031-001	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		
GS05	SL	7/6/2020	RFS01-02.2011031-009	7440-61-1	Uranium	N	0.28	ug/L		F	0.05		
GS05	SL	7/6/2020	RFS01-02.2011031-001	7440-66-6	Zinc	Y	3.4	ug/L	J	F	2		
GS59	SL	7/6/2020	RFS01-02.2007027-002	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
GS59	SL	7/6/2020	RFS01-02.2007027-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
GS59	SL	7/6/2020	RFS01-02.2007027-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
GS59	SL	7/6/2020	RFS01-02.2007027-002	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
GS59	SL	7/6/2020	RFS01-02.2007027-002	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		
GS59	SL	7/6/2020	RFS01-02.2007027-002	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
GS59	SL	7/6/2020	RFS01-02.2007027-002	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
GS59	SL	7/6/2020	RFS01-02.2007027-002	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
GS59	SL	7/6/2020	RFS01-02.2007027-002	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
GS59	SL	7/6/2020	RFS01-02.2007027-002	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
GS59	SL	7/6/2020	RFS01-02.2007027-002	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
GS59	SL	7/6/2020	RFS01-02.2007027-002	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
GS59	SL	7/6/2020	RFS01-02.2007027-002	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS59	SL	7/6/2020	RFS01-02.2007027-002	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
GS59	SL	7/6/2020	RFS01-02.2007027-002	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
GS59	SL	7/6/2020	RFS01-02.2007027-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
GS59	SL	7/6/2020	RFS01-02.2007027-002	91-20-3	Naphthalene	N	0.22	ug/L	U	F	0.22		
GS59	SL	7/6/2020	RFS01-02.2007027-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
GS59	SL	7/6/2020	RFS01-02.2007027-002	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
GS59	SL	7/6/2020	RFS01-02.2007027-002	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
GS59	SL	7/6/2020	RFS01-02.2007027-002	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		
GS59	SL	7/6/2020	RFS01-02.2007027-002	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
GS59	SL	7/6/2020	RFS01-02.2007027-002	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
GS59	SL	7/6/2020	RFS01-02.2007027-002	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
GS59	SL	7/6/2020	RFS01-02.2011031-010	7440-38-2	Arsenic	N	1.8	ug/L	B	F	0.33		U
GS59	SL	7/6/2020	RFS01-02.2011031-010	7440-41-7	Beryllium	N	0.27	ug/L	J B	F	0.08		U
GS59	SL	7/6/2020	RFS01-02.2011031-010	7440-42-8	Boron	N	24	ug/L		F	4.4		
GS59	SL	7/6/2020	RFS01-02.2011031-002	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
GS59	SL	7/6/2020	RFS01-02.2011031-010	7440-47-3	Chromium	N	3.2	ug/L	B	F	0.5		U
GS59	SL	7/6/2020	RFS01-02.2011031-002	7440-50-8	Copper	Y	1.5	ug/L	J	F	0.56		
GS59	SL	7/6/2020	RFS01-02.2011031-002	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		
GS59	SL	7/6/2020	RFS01-02.2011031-002	7440-02-0	Nickel	Y	1.2	ug/L	J	F	0.3		
GS59	SL	7/6/2020	RFS01-02.2011031-010	7782-49-2	Selenium	N	1.9	ug/L	J B	F	0.37		U
GS59	SL	7/6/2020	RFS01-02.2011031-002	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		
GS59	SL	7/6/2020	RFS01-02.2011031-010	7440-61-1	Uranium	N	2.1	ug/L		F	0.05		
GS59	SL	7/6/2020	RFS01-02.2011031-002	7440-66-6	Zinc	Y	2	ug/L	U	F	2		
P416589	WL	7/22/2020	RFS01-10.2007030-013	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ

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P416589	WL	7/22/2020	RFS01-10.2007030-013	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	120-12-7	Anthracene	N	0.014	ug/L	U	F	0.014		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-38-2	Arsenic	Y	0.33	ug/L	U	F	0.33		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	71-43-2	Benzene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	50-32-8	Benzo(a)pyrene	N	0.005	ug/L	U	F	0.005		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	191-24-2	Benzo(g,h,i)Perylene	N	0.0079	ug/L	U	F	0.0079		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-41-7	Beryllium	Y	0.08	ug/L	U	F	0.08		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-42-8	Boron	Y	9	ug/L	J	F	4.4		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-47-3	Chromium	Y	0.5	ug/L	U	F	0.5		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	53-70-3	Dibenz(a,h)anthracene	N	0.0047	ug/L	U	F	0.0047		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	206-44-0	Fluoranthene	N	0.034	ug/L	U	F	0.034		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7439-97-6	Mercury	Y	0.034	ug/L	J	F	0.027		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	91-20-3	Naphthalene	N	0.0051	ug/L	U S	F	0.0051		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-02-0	Nickel	Y	2.1	ug/L		F	0.3		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-014	129-00-0	Pyrene	N	0.0078	ug/L	U	F	0.0078		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7782-49-2	Selenium	Y	0.37	ug/L	U	F	0.37		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	1330-20-7	Total Xylenes	N	0.19	ug/L	U	F	0.19		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-61-1	Uranium	Y	1.7	ug/L		F	0.05		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		FQ
P416589	WL	7/22/2020	RFS01-10.2007030-013	7440-66-6	Zinc	Y	7	ug/L	J	F	2		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.54	ug/L	U	F	0.54		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		FQ

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P416589	WL	8/13/2020	RFS01-10.2008031-013	67-72-1	Hexachloroethane	N	0.94	ug/L	U N *	F	0.94		FQ
P416589	WL	8/13/2020	RFS01-10.2008031-013	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		FQ
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	95-50-1	1,2-Dichlorobenzene	N	0.26	ug/L	J	F	0.15		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	106-46-7	1,4-Dichlorobenzene	N	0.29	ug/L	J	F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7440-38-2	Arsenic	N	6.1	ug/L		F	0.33		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	71-43-2	Benzene	N	2.2	ug/L		F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7440-41-7	Beryllium	N	0.1	ug/L	J	F	0.08		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7440-42-8	Boron	N	1800	ug/L		F	4.4		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	108-90-7	Chlorobenzene	N	0.67	ug/L	J	F	0.17		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7440-47-3	Chromium	N	0.79	ug/L	J	F	0.5		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	91-20-3	Naphthalene	N	28	ug/L		F	0.22		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7440-02-0	Nickel	Y	4.5	ug/L		F	0.3		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7440-22-4	Silver	Y	0.033	ug/L	U	F	0.033		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	1330-20-7	Total Xylenes	N	1.4	ug/L	J	F	0.19		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-004	7440-61-1	Uranium	N	0.063	ug/L	J	F	0.05		U
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
PLFSEEPINF	TS	7/6/2020	RFS01-02.2007027-003	7440-66-6	Zinc	Y	67	ug/L	B	F	2		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	71-55-6	1,1,1-Trichloroethane	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	120-82-1	1,2,4-Trichlorobenzene	N	0.21	ug/L	U	F	0.21		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	95-50-1	1,2-Dichlorobenzene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	107-06-2	1,2-Dichloroethane	N	0.13	ug/L	U	F	0.13		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	78-87-5	1,2-Dichloropropane	N	0.18	ug/L	U	F	0.18		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	541-73-1	1,3-Dichlorobenzene	N	0.13	ug/L	U	F	0.13		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	106-46-7	1,4-Dichlorobenzene	N	0.16	ug/L	U	F	0.16		

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PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	91-58-7	2-Chloronaphthalene	N	0.25	ug/L	U	F	0.25		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	83-32-9	Acenaphthene	N	1.8	ug/L		F	0.01		J
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	120-12-7	Anthracene	N	0.39	ug/L		F	0.014		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7440-38-2	Arsenic	N	22	ug/L		F	0.33		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	71-43-2	Benzene	N	0.7	ug/L	J	F	0.16		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	191-24-2	Benzo(g,h,i)Perylene	N	0.0078	ug/L	U	F	0.0078		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7440-41-7	Beryllium	N	0.27	ug/L	J	F	0.08		U
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	117-81-7	Bis(2-ethylhexyl) phthalate	N	0.53	ug/L	U	F	0.53		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7440-42-8	Boron	N	1300	ug/L		F	4.4		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	75-25-2	Bromoform	N	0.46	ug/L	U	F	0.46		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7440-43-9	Cadmium	Y	0.27	ug/L	U	F	0.27		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	56-23-5	Carbon tetrachloride	N	0.19	ug/L	U	F	0.19		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	108-90-7	Chlorobenzene	N	0.17	ug/L	U	F	0.17		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	67-66-3	Chloroform	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	74-87-3	Chloromethane	N	0.3	ug/L	U	F	0.3		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7440-47-3	Chromium	N	1.1	ug/L	J	F	0.5		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	156-59-2	cis-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7440-50-8	Copper	Y	0.56	ug/L	U	F	0.56		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U	F	1.1		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	100-41-4	Ethylbenzene	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	206-44-0	Fluoranthene	N	0.39	ug/L		F	0.033		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	86-73-7	Fluorene	N	1.5	ug/L		F	0.018		J
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	87-68-3	Hexachlorobutadiene	N	0.36	ug/L	U	F	0.36		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	78-59-1	Isophorone	N	0.2	ug/L	U	F	0.2		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7439-92-1	Lead	Y	0.18	ug/L	U	F	0.18		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7439-97-6	Mercury	N	0.027	ug/L	U	F	0.027		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	91-20-3	Naphthalene	N	4.6	ug/L		F	0.0051		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7440-02-0	Nickel	Y	4.3	ug/L		F	0.3		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-007	129-00-0	Pyrene	N	0.31	ug/L		F	0.0077		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7782-49-2	Selenium	N	0.37	ug/L	U	F	0.37		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7440-22-4	Silver	Y	0.05	ug/L	J	F	0.033		U
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	127-18-4	Tetrachloroethene	N	0.2	ug/L	U	F	0.2		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	108-88-3	Toluene	N	0.17	ug/L	U	F	0.17		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	1330-20-7	Total Xylenes	N	0.31	ug/L	J	F	0.19		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	156-60-5	trans-1,2-Dichloroethene	N	0.15	ug/L	U	F	0.15		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	79-01-6	Trichloroethene	N	0.16	ug/L	U	F	0.16		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-006	7440-61-1	Uranium	N	0.73	ug/L		F	0.05		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	75-01-4	Vinyl chloride	N	0.1	ug/L	U	F	0.1		
PLFSYSEFF	TS	7/6/2020	RFS01-02.2007027-005	7440-66-6	Zinc	Y	18	ug/L	B	F	2		
PLFSYSEFF	TS	8/4/2020	RFS01-02.2008028-005	7440-38-2	Arsenic	N	4.4	ug/L		F	0.33		
SPIN	TS	7/14/2020	RFS01-04.2007043-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	560	mg/L	B	F	1.9		
SPIN	TS	7/14/2020	RFS01-04.2007043-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	520	mg/L	B	D	1.9		
SPIN	TS	7/14/2020	RFS01-04.2007043-005	7440-61-1	Uranium	N	74	ug/L		F	0.05		
SPIN	TS	7/14/2020	RFS01-04.2007043-015	7440-61-1	Uranium	N	73	ug/L		D	0.05		

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
SPIN	TS	7/30/2020	RFS01-04.2007044-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	540	mg/L		F	1.9		
SPIN	TS	7/30/2020	RFS01-04.2007044-005	7440-61-1	Uranium	N	72	ug/L		F	0.05		
SPIN	TS	8/13/2020	RFS01-04.2008045-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	470	mg/L		F	1.9		
SPIN	TS	8/13/2020	RFS01-04.2008045-005	7440-61-1	Uranium	N	61	ug/L	B	F	0.05		
SPIN	TS	8/31/2020	RFS01-04.2008046-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	530	mg/L		F	1.9		
SPIN	TS	8/31/2020	RFS01-04.2008046-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	550	mg/L		D	1.9		
SPIN	TS	8/31/2020	RFS01-04.2008046-005	7440-61-1	Uranium	N	65	ug/L		F	0.05		
SPIN	TS	8/31/2020	RFS01-04.2008046-015	7440-61-1	Uranium	N	64	ug/L		D	0.05		
SPIN	TS	9/14/2020	RFS01-04.2009047-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	560	mg/L		F	1.9		
SPIN	TS	9/14/2020	RFS01-04.2009047-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	540	mg/L		D	1.9		
SPIN	TS	9/14/2020	RFS01-04.2009047-005	7440-61-1	Uranium	N	73	ug/L		F	0.05		
SPIN	TS	9/14/2020	RFS01-04.2009047-015	7440-61-1	Uranium	N	66	ug/L		D	0.05		
SPIN	TS	9/30/2020	RFS01-04.2009048-005	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	570	mg/L	B	F	1.9		
SPIN	TS	9/30/2020	RFS01-04.2009048-005	7440-61-1	Uranium	N	70	ug/L		F	0.05		
SPOUT	TS	7/14/2020	RFS01-04.2007043-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.052	mg/L	B	F	0.019		U
SPOUT	TS	7/14/2020	RFS01-04.2007043-006	7440-61-1	Uranium	N	58	ug/L		F	0.05		
SPOUT	TS	7/30/2020	RFS01-04.2007044-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	7/30/2020	RFS01-04.2007044-015	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	D	0.019		
SPOUT	TS	7/30/2020	RFS01-04.2007044-006	7440-61-1	Uranium	N	43	ug/L		F	0.05		
SPOUT	TS	7/30/2020	RFS01-04.2007044-015	7440-61-1	Uranium	N	43	ug/L		D	0.05		
SPOUT	TS	8/13/2020	RFS01-04.2008045-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	8/13/2020	RFS01-04.2008045-006	7440-61-1	Uranium	N	47	ug/L	B	F	0.05		
SPOUT	TS	8/31/2020	RFS01-04.2008046-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	8/31/2020	RFS01-04.2008046-006	7440-61-1	Uranium	N	38	ug/L		F	0.05		
SPOUT	TS	9/14/2020	RFS01-04.2009047-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	9/14/2020	RFS01-04.2009047-006	7440-61-1	Uranium	N	37	ug/L		F	0.05		
SPOUT	TS	9/30/2020	RFS01-04.2009048-006	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.019	mg/L	U	F	0.019		
SPOUT	TS	9/30/2020	RFS01-04.2009048-006	7440-61-1	Uranium	N	40	ug/L		F	0.05		
SW093	SL	5/27/2020	RFS01-13.2009048-010	14596-10-2	Americium-241	N	0.032	pCi/L	U	F		0.0594	J
SW093	SL	5/27/2020	RFS01-13.2009048-010	7440-41-7	Beryllium	N	1	ug/L	U	F	1		
SW093	SL	5/27/2020	RFS01-13.2009048-010	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3		
SW093	SL	5/27/2020	RFS01-13.2009048-010	7440-47-3	Chromium	N	1.33	ug/L	B	F	1		
SW093	SL	5/27/2020	RFS01-13.2009048-010	PU-239,240	Plutonium-239, 240	N	0.0873	pCi/L		F		0.0260	J
SW093	SL	5/27/2020	RFS01-13.2009048-010	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3		
SW093	SL	5/27/2020	RFS01-13.2009048-010	7440-61-1	Uranium	N	3.82	ug/L		F	0.067		

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

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 compund (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

Appendix B2
Information for RFLMA Composite Samples with Unavailable Data

Location	Sample Dates*	Status
WALPOC	6/8/2020 12:46 -->	In Progress
WOMPOC	6/8/2020 11:55 -->	In Progress
GS10	7/7/2020 11:43 -->	In Progress
GS13	7/7/2020 12:22 -->	In Progress
GS51	4/19/2020 12:42 -->	In Progress
SW027	4/29/2020 12:07 -->	In Progress
SW093	9/2/2020 13:57 -->	In Progress

* Analytical results are reported with the start date of the composite sampling period
--> Composite sample end date to be determined
NSQ: non-sufficient quantity for analysis

Appendix

- Acronym List

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.

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.

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.

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.

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.

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.

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.