



Documentation to Amend Drinking Water Health Advisory in Zone F2

Joint Base Pearl Harbor Hickam (JBPHH)
O‘ahu, Hawai‘i

Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

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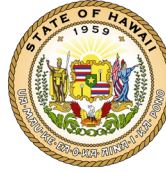
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Note: Department of Defense critical infrastructure security information (DCRIT) is not included



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Line of Evidence 0

Introduction

DOH Checklist to Amend the Public Health Advisory in Flushing Zone F2



Zone F2 Checklist to Amend the Public Health Advisory initiated November 29, 2021 for Joint Base Pearl Harbor -Hickam Public Water System No. 360 HEER Incident Case No.: 20211128-1848

Purpose: This checklist identifies the documentation and review that the Hawaii Department of Health (DOH) conducted to **amend** the Public Health Advisory (Advisory) in each Zone under the *DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory, dated December 30, 2021*. This review was conducted as an oversight role in addition to the review conducted as a part of the Interagency Drinking Water System Team (IDWST).

DOH's priority is to protect the public health and environment of the people of Hawaii. DOH will evaluate the "lines of evidence" that must be met before amending the health advisory and issuing notices that the water can be used for all purposes including drinking. The Navy must also commit to following the long-term monitoring (LTM) of system water quality for this incident under the IDWST Drinking Water Sampling Plan, as amended.

Background: A chemical release of petroleum, which is a hazardous substance, entered the Joint Base Pearl Harbor-Hickam (JBPHH) drinking water distribution system and the Red Hill Shaft. This release triggered an

emergency response and DOH issuance of an Advisory on November 29, 2021 for the entire JBPHH Public Water System No. 360. State and Federal Drinking Water (DW) Maximum Contaminant Levels (MCLs) under the Safe Drinking Water Act do not adequately address petroleum contamination of drinking water. DOH has established Environmental Action Levels (EALs) and Incident Specific Parameters (ISPs) to more comprehensively monitor and respond to petroleum contaminated drinking water. Any contaminants that exceed the State and Federal DW MCLs, EALs, or ISPs require additional action prior to amending the Advisory. Satisfaction of the lines of evidence will be achieved by evaluating the data generated during the investigation conducted by the IDWST. The data will be assessed for each Zone of the Drinking Water Distribution System Recovery Plan. All lines of evidence will require documentation.

DOH Project Screening Levels: State and Federal Drinking Water MCLs, specified State EALs, and ISPs are considered in development of Project Screening Levels. The actions for the thresholds for each contaminant are listed in *DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory*.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone F2



Objective 0 - Introduction to Lines of Evidence Under Evaluation / Document Summary

Reference	Status	Documentation
Tab 0	Complete	DOH Checklist to Amend the Drinking Water Health Advisory.
Tab 0.1	Complete	<ul style="list-style-type: none"> Executive Summary Memo for Zone F2 Removal Action Report Signed statement by the Owner/Operator Representative of the Water System, that asserts that all lines of evidence have been met, including the following statement with a signature: "I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the submitted information is true, accurate, and complete."

Objective 1a – Line of Evidence: Reported sources of contamination are isolated and contained.

Incident Specific Criteria - Contamination from **Red Hill Shaft** is isolated from Navy's water distribution system.

Reference	Status	Documentation
Tab 1a.0	Complete	Executive Summary Memo.
Tab 1a.1	Complete	Memorandum for Record documenting that the Red Hill Shaft has been physically disconnected from the NAVFAC system.
Tab 1a.2	Complete	Memo for Record showing SCADA data that Waiawa Shaft is the single source of water for the NAVFAC system since 03 December 2021.
Tab 1a.3	Complete	Photograph of concrete blocking between air gapped isolation flanges.

Objective 1b – Line of Evidence: The regulated public water system's water quality data is compliant.

Incident Specific Criteria - Data does not exceed Federal DW MCLs, specified State EALs, and ISPs for **Waiawa Shaft (only source of the drinking water)**.

Reference	Status	Documentation
Tab 1b.0	Complete	Executive Summary Memo.
Tab 1b.1	Complete	<ul style="list-style-type: none"> Sample Results for Waiawa Shaft (the source) taken 1/13/2022 Level 4 Validated Laboratory Report for EPA Methods 8260 (VOCs), 8270 (SVOCs), 8015 (TPH-G, TPH-D, TPH-O) plus Tentatively Identified Compounds (TICs) Level 4 Validated Laboratory Report for EPA Methods 8260 (VOCs), 8270 (SVOCs), 8015 (TPH-G, TPH-D, TPH-O) plus Tentatively Identified Compounds (TICs) Sample Results of Waiawa Shaft Entry Point (after treatment) taken 1/11/2022 Level 4 Validated Laboratory Report for Sampling Plan Addendum 1, Table 3a: Distribution Sampling (Step 2b) Summary Drinking Water Analytical Methods, Analytes, Action Levels, and Method Detection Limits Level 4 Validated Laboratory Report for Sampling Plan Addendum 1, Table 3a: Distribution Sampling (Step 2b) Summary Drinking Water Analytical Methods, Analytes, Action Levels, and Method Detection Limits

DOH Checklist to Amend the Public Health Advisory in Flushing Zone F2



Objective 1c – Line of Evidence: No additional contamination through the distribution system is occurring.

Incident Specific Criteria - Cross Connection Control investigation shows distribution system is protected, resulting in no additional sources of contamination.

Reference	Status	Documentation
Tab 1c.0	Complete	Executive Summary Memo.
Tab 1c.1	Complete	<p>Certificate Regarding Cross-Connection Control Review and Confirmation – Zone F2, verifying that building and service connections with petroleum activities are protected from backflow risks with the following documentation:</p> <ul style="list-style-type: none"> A “gap analysis” of the petroleum related activities versus appropriate device inventory (i.e., inappropriate device, missing Cross-Connection Control protection, untested device, etc.). A map that includes: All facilities with petroleum activities; locations of existing backflow prevention devices; and Water system infrastructure. An inventory database: A list of petroleum-related activities and identified appropriate cross connection control (CCC) devices at these activities, as required, i.e., if there was human consumptive use and where cross connection potential or hazard was identified.
Tab 1c.2	Complete	COMNAVREG HAWAII INSTRUCTION 11330.2D, dated 19 Sep 2016, Backflow Prevention and Cross-Connection Control Program

Objective 2a – Line of Evidence: Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and

ISPs.

- Zone flushing plan demonstrates entire distribution system is flushed.
- Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
- Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Reference	Status	Documentation
Tab 2a.0	Complete	Executive Summary Memo.
Tab 2a.1	Complete	<p>Memorandum for the Record of the Distribution System Recovery Plan Addendum – Zone F2 Analysis which includes:</p> <ul style="list-style-type: none"> Hydraulic model that exhibits and flushing line map(s) and plan to show that the flushing approach will achieve directional flushing. A one-page high resolution zonal flushing map should be provided. Narrative of assumptions in the development of their flushing model inclusive of any simulations that they ran.
Tab 2a.2	Complete	Summary with documentation from Dr. Whelton discussing flushing goals providing validity of volumetric exchange model.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone F2



Objective 2a – Line of Evidence: Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and

ISPs.

- Incident Specific Criteria –
- Zone flushing plan demonstrates entire distribution system is flushed.
 - Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
 - Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Reference	Status	Documentation
Tab 2a.3	Complete	Identification of consecutive flushing zones and flushing phasing order. Time based contaminant slug model showing possible migration of contaminant from Red Hill Shaft used to identify zones requiring additional volumetric flushing (Hydraulic Model)
Tab 2a.4	Complete	Table showing volumetric goals and recorded flushing volumes that occurred in the field for the distribution system.
Tab 2a.5	Complete	Certification of Water Storage Facilities and Water Source for Zone F2 with Water Storage Tanks S1 and S2 Flushing Report.
Tab 2a.6	Complete	<ul style="list-style-type: none"> • Distribution System Exceedance Investigation Summary and Results. • Drinking Water Distribution System Recovery Plan: Stage 2 Sampling Results for Zone F2, JBPHH.

Objective 2b – Line of Evidence: Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State

EALs, and ISPs.

Incident Specific Criteria –

- Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.
- Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing.
- Sample results show water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Reference	Status	Documentation
Tab 2b.0	Complete	Executive Summary Memo.
Tab 2b.1	Complete	Records of Completed Residential and Non-Residential Flushing Zone F2 with: <ul style="list-style-type: none"> • EDMS Residential Flushing Records Zone F2 • EDMS Non-Residential Flushing Records Zone F2 • NAVFAC SCADA Data Zone F2 28 Dec 2021 to 12 Jan 2022 (for the Distribution System pressure logs during flushing and confirmation that the 30 psi within the distribution system was maintained).
Tab 2b.2	Complete	Sample Results, Level 2 and Level 4 Validated as required by Sampling Plan Section 6.0, report from EDMS.
Tab 2b.3	Complete	Exceedance Investigation Summary and Results Zone F2.
Tab 2b.4	Complete	Memorandum for Record showing that irrigation flushing is complete.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone F2



Objective 2b – Line of Evidence: Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.		
Incident Specific Criteria –		
<ul style="list-style-type: none"> Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system. Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing. Sample results show water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. 		
Reference	Status	Documentation
Tab 2b.5	Complete	DOH Guidance for Active Irrigation Line Purging and Flushing

March 4, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE F2 REMOVAL ACTION REPORT

Ref: (a) Drinking Water Sampling Plan, December 2021
(b) Drinking Water Distribution System Recovery Plan, December 2021
(c) Single Family Home Flushing Plan Checklist and Standard Operating Procedures, December 23, 2021
(d) Non-Residential Facility Flushing Plan Checklist and Standard Operating Procedures, January 4, 2022
(e) DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory, December 30, 2021; HEER Incident Case No.: 20211128-1848
(f) DOH Checklist to Amend the Drinking Water Health Advisory

Encl: (1) Zone F2 Removal Action Report

1. The enclosed report documents completion of the requirements outlined in references (a) through (f). This is in response to HEER Incident Case No.: 20211128-1848 involving the Joint Base Pearl Harbor Hickam (JBPHH) Public Water System No. 360.

2. On the 20th of November, a spill of jet fuel, specifically JP-5 jet fuel, occurred at the Red Hill Bulk Fuel Storage Facility in an access tunnel that provides fire suppression and service lines for the facility. The fuel spill was cleaned up and, on the 23rd of November, Admiral Paparo, directed an independent investigation of the spill event, and ordered the investigating officer to also determine any connection between the 20 November event and the spill that occurred earlier this year, on the 6th of May. The results of the investigation are pending public release.

On the 27th of November, the Commander, Navy Region Hawaii, RDML Tim Kott, met with the Fleet Logistics Center Commander, who operates The Red Hill Fuel Storage Facility for the Navy, and they jointly made the decision to stop Red Hill Tank fuel transfer operations based on the ongoing investigation into the recent spills.

On Sunday, the 28th of November, the JBPHH HQs and Hawaii Department of Health (HDOH) began receiving phone calls from military residents reporting a chemical or petroleum taste and smell to the water on the Navy's drinking water system. As more calls were received, it became clear that the reports were clustered around neighborhoods fed by the Red Hill Shaft Well, so the Navy, on the evening of the 28th of November, shut down that well and stood up the Region's Emergency Operations Center to handle the issue. As more calls continued to come in of contaminated water over the next 24 hours, Admiral Paparo, as the senior Navy commander in Hawaii, ordered the establishment of a Joint Crisis Action Team on the 29th of November. The Navy immediately began flushing its potable water distribution system.

On December 8, 2021, HDOH issued Directive One which provided requirements for flushing of the Navy Water System. The Navy began working with HDOH and the U.S. Environmental Protection Agency (EPA) to meet the requirements of this directive and resume flushing of the potable water system.

On December 17, 2021, HDOH, the U.S. Navy, the U.S. Army and EPA established an Interagency Drinking Water System (IDWS) Team to restore safe drinking water to affected JBPHH housing communities. The working group was established to ensure that the agencies were coordinated in actions to restore safe drinking water to Navy water system users and that they had a clear, coordinated source of information as work continued to restore safe drinking water. On the same day, the U.S. Navy, U.S. Army, HDOH, and the EPA jointly signed the Water Distribution System Recovery Plan agreement. The signing of this plan was the second work product of the IDWS Team, which is focused on efficiently and effectively restoring safe drinking water to JBPHH military housing communities. Earlier in that week, the team jointly signed the Drinking Water Sampling Plan.

The flushing of the water distribution lines resumed on December 20, 2021. Residence and non-residence facilities were flushed and sampled after the completion of flushing and testing of the distribution system of a specific Zone. This report specifically documents the requirements outlined in references (a) through (f) for Zone F2.

3. The removal action report (RAR) for Zone F2 documents two specific lines of evidence necessary to amend the drinking water health advisory for Zone F2 as provided by HDOH. The two lines of evidence under evaluation included:

- i. Ensure no contamination is entering the water system.
- ii. Ensure no contamination remains in the system and water chemistry concerns are addressed.

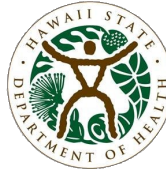
Each line of evidence has several objectives with specific lines of evidence and incident specific criteria required to be met. Achievement of the criteria will be described and supported with documentation in the subsequent sections of the RAR.

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL
EL.WAYNE.JR.
1088310035

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M. W. Meno
Captain, U.S. Navy Civil Engineer Corps



Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

Line of Evidence 1a

All Reported Sources of Contamination Are Isolated and Contained

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1a - All reported sources of contamination are isolated and contained.

Incident Specific Criteria - Contamination from **Red Hill Shaft** is isolated from Navy's water distribution system.

Lines of Evidence	Completion Status	Outstanding Items
Navy confirmation that Red Hill Shaft is isolated from the Navy's water distribution system.	Complete.	<ul style="list-style-type: none">• None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1A – ALL REPORTED SOURCES OF CONTAMINATION ARE ISOLATED AND CONTAINED

Encl: (1) 1a.1 Memorandum for Record with Isolation Date
(2) 1a.2 Summary of Operator Logs and SCADA Data
(3) 1a.3 Photograph of Concrete Blocking Between Air Gapped Isolation Flanges

1. Enclosures (1), (2), and (3) document completion of Line of Evidence objective 1a, all reported sources of contamination are isolated and contained. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source. The Red Hill Shaft discharge pipes were physically re-arranged and encased in concrete on December 24, 2021 as shown in Enclosure (1) and (3), thereby isolating the system as required by Line of Evidence 1a. The Supervisory Control and Data Acquisition (SCADA) data in Enclosure (2) shows the previous statement to be true. All reported sources of contamination are isolated and contained.

2. The Red Hill Shaft pumps are now being used to control the spread of contamination by creating a capture zone in the aquifer by pumping to a 5 million gallons/day Granular Activated Carbon (GAC) system which discharges into the Halawa Stream. The new piping from the pumps to the GAC treatment came from the 20" header where the 20x24 reducer was removed on 24 DEC 2021. A thrust block was poured at this location around the existing blinded wye fitting as shown in Enclosure (3).

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOPHE
R.JAMES.1540194862

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C. J. Wetzel
LT, CEC, USN

04 JANUARY 2022

MEMORANDUM FOR RECORD

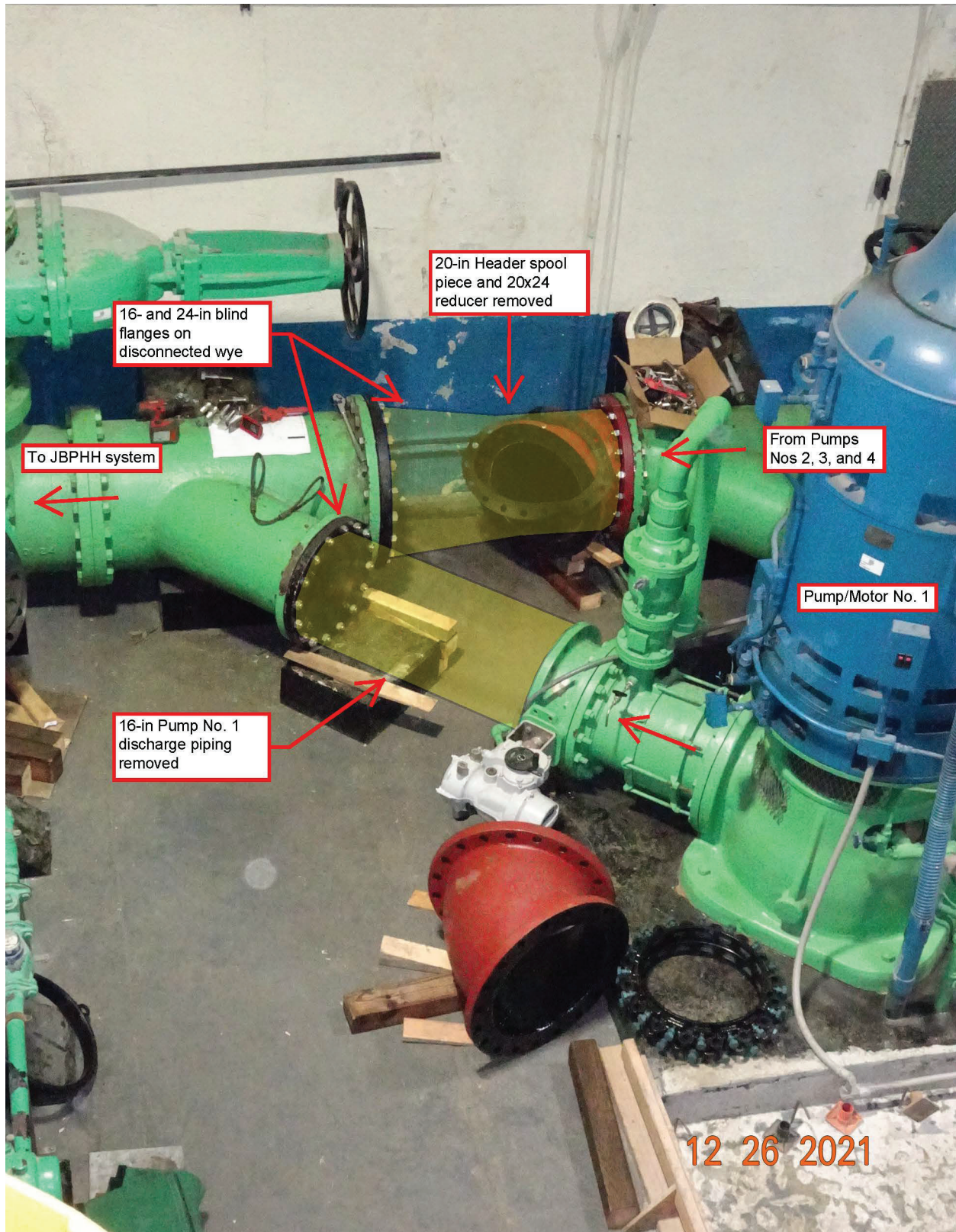
SUBJECT: Red Hill Potable Water Pumping Station

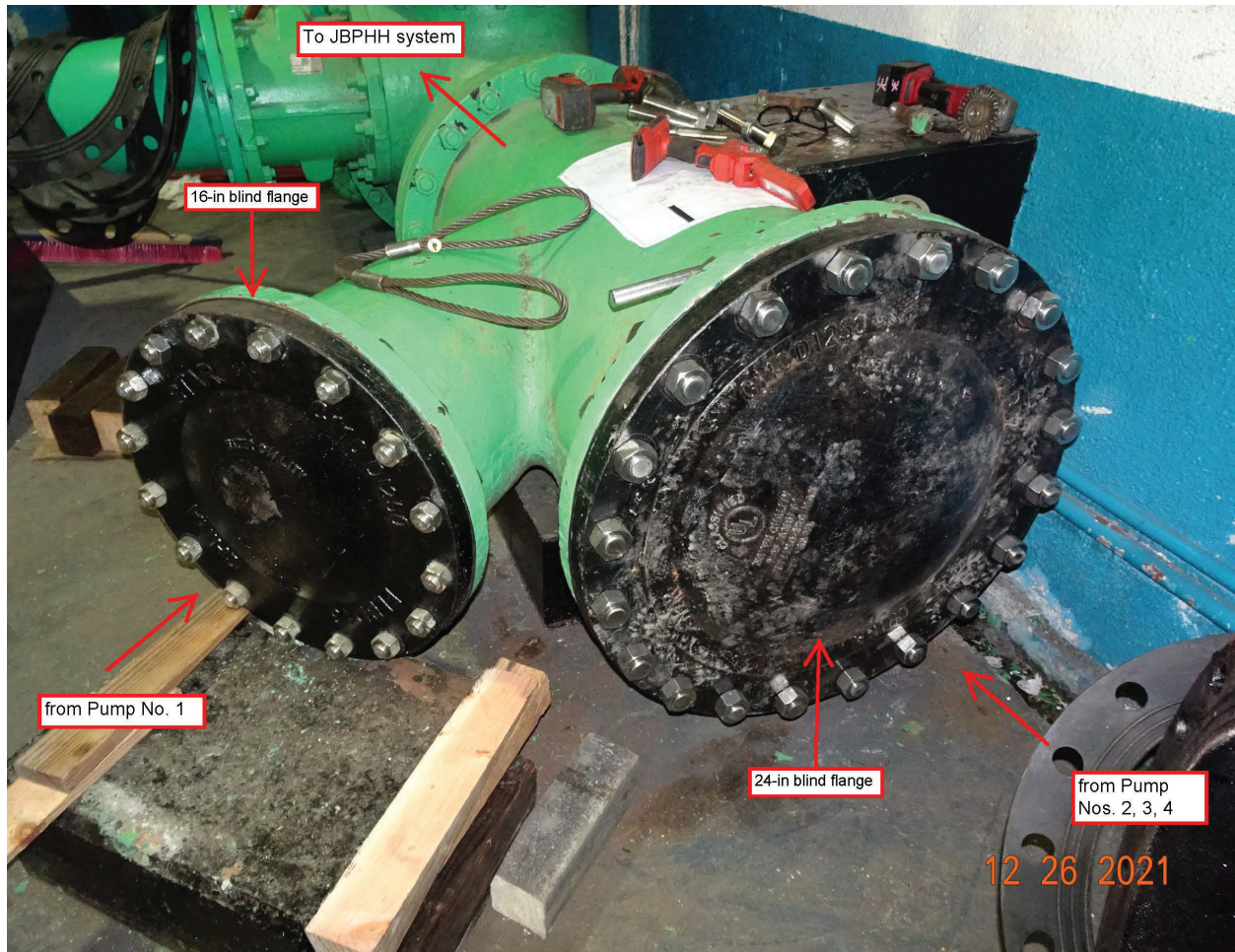
ENC: (1) Red Hill Pump Station Photographs, Post Pump Isolation dated 12/26/2021
(2) JBPHH Potable Water LOTO Log

1. This Memorandum For Record (MFR) is to document the Red Hill Shaft pump status in relation to the Joint Base Pearl Harbor Hickam Potable Water System.
2. In response to fuel contaminants found in the Red Hill Shaft aquifer/development tunnel, the main Red Hill Pumping Station pumps were secured from the Potable Water system. On 3 December 2021, all four Red Hill pumps were electrically Locked Out, Tagged Out (LOTO), see Enclosure (2). (Note: Pump #1 was LOTO on 10 June 2020 due to an unrelated pump issue, and is still out of service, LOTO.) After initially being shut down operationally, and LOTO electrically, the Red Hill pumps were physically isolated from the Potable Water system on 24 December 2021.
3. Physical isolation was performed with in-house NAVFAC forces, with a completion date of 24 December 2021. This work was performed by isolating the system from the pumps at the "wye" fitting adjacent to Red Hill Pump #1. The wye fitting is shown on Enclosure (1). A blind flange was placed on the main header and the wye branch.
4. The 24" blind flange on the main header physically air-gapped and isolated Red Hill pumps #2, #3, and #4. The 16" blind flange in the wye branch physically air-gapped and isolated Red Hill pump #1. This work is shown on Enclosure 1.
5. The work the NAVFAC in-house forces performed removed any source or pathway from the Red Hill aquifer to the JBPHH Potable Water system.

MITCHELL.JEREMY.W.1395400700
J. MITCHELL
Deputy Public Works Officer
Joint Base Pearl Harbor Hickam

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NAVFAC Hawaii - Potable Water Utilities Lock Out Tag Out (LOTO) Form



Locked Out		Back in Service		Location	Circuit / Equipment being LOTO	Reason for LOTO	Lock No.	Tag No.	Authorized Employee
Date	Time	Date	Time						
18 MAR 20	0930			REDHILL	MP#1	Pump overhaul		010	Dykky
5 JUN 20		20 MAR 21	1200	WAIANUA	CD #20	FAULT IN OVERHAUL		1	
10 JUN 20	0900			REDHILL	PUMP CONTROL MP#1	PUMP OVERHAUL		011	Dykky
10 JUN 20	0900			REDHILL	NCC MP#1	PUMP OVERHAUL		012	Dykky
10 JUN 20	0945			WAIANUA	CD #40	FAULT-PUMP CONTROLS		2	An
10 MAY 21				HALANUA	NCC#1	MOTOR FAULT		3	An
2 JUN 21	0800			WAIANUA	CD#80	FAULT PUMP CONTROLS		5	An
2 JUN 21	0800	30 JUN 21	2030	WAIANUA	CD#100	HECO OUTAGE		4	An
2 JUN 21	0900			HALANUA	NCC#2	PUMP REMOVED		6	An
30 JUN 21	2330	7 JUL 21	1900	WAIANUA	CD#10	FAIL TO CLOSE		8	An
19 JUL 21	0745	19 JUN	0900	HALANUA	EXHAUST FAN	REPLACE OIL			DS
17 NOV 21	1230			HALANUA	PUMP #1	PUMP FAIL			An
17 NOV 21	1230			NIHANUA	PUMP #2	MOTOR FAIL			An
30 DEC 21	0925			REDHILL	NCC MP#2	COMPRESSOR INTERFERE WATER IN WELL			An

[illegible]

February 10, 2022

SUMMARY OF OPERATOR LOGS AND SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) DATA

1. OBJECTIVE: Provide a description of water sources that supplied the Joint Base Pearl Harbor Hickam (JBPHH) potable water system (system) prior-to and after the fuel contamination incident that occurred in late November 2021.

2. BACKGROUND:

2.1. Portions of the Navy water distribution system serving JBPHH and surrounding areas were exposed to low levels of fuel contamination with initial indications in the form of smell reports occurring on or about 28 November 2021.

2.2. Prior to the aquifer contamination incident, water users connected to the Navy's system were supplied by three Navy owned water sources, Red Hill Shaft, Aiea/Halawa Shaft and Waiawa Shaft. In the time period prior to the incident, Waiawa Shaft was the main water source supplying water to the JBPHH system with at least one pump operating full time (100%). A single Red Hill Shaft pump was operated intermittently as a secondary source to the system. The Aiea/Halawa shaft was not being operated due to concerns over high chloride concentrations caused by saltwater intrusion into the aquifer.

2.3. On the evening of 28 November 2021, the Red Hill Shaft was secured and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on 28 November 2021 but was shut down on 03 December 2021 to prevent westward contaminant migration in the aquifer.

2.4. Since 03 December 2021, Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility and testing has not found any water quality issues at this source.

3. DATA INTERPERETATION: The Supervisory Control and Data Acquisition (SCADA) data provided in reference (a) includes tabular and graphical depictions of flow from the three source pump stations, aquifer water surface elevations above mean sea level (MSL) and the water level in the 6 million gallon (MG) S1 and S2 water storage tanks. The data was provided as a daily average (i.e. data was averaged over the 24 hours of each day from 00:00 to 23:59) and ranges from 01 November 2021 to 08 January 2022.

3.1 WAIAWA SHAFT/PUMP STATION: Prior to 28 November, The Waiawa Pump Station (PS) was supplying an average of 16.6 million gallons per day (MGD) of potable water to the system. After 28 November, demand reductions from turning off irrigation and smaller residential demand reduced the water supplied by the Waiawa PS to an average of 15.5 MGD. This was 76% of the 22 MGD total system demand prior to 28 November 2021.

There was an inverse correlation between the aquifer water surface elevation and water pumped out of the aquifer. When Waiawa PS was pumping between 16 and 18 MGD, the aquifer water surface elevation dropped to between 8.0 and 10.0 feet MSL. When pumping was reduced between 15 and 16 MGD, the aquifer water surface was raised to between 15.0 and 17.0 feet

above MSL. See Figure 1 below for a graphical depiction of the daily average aquifer water surface elevation and pumps flows from Waiawa Shaft.

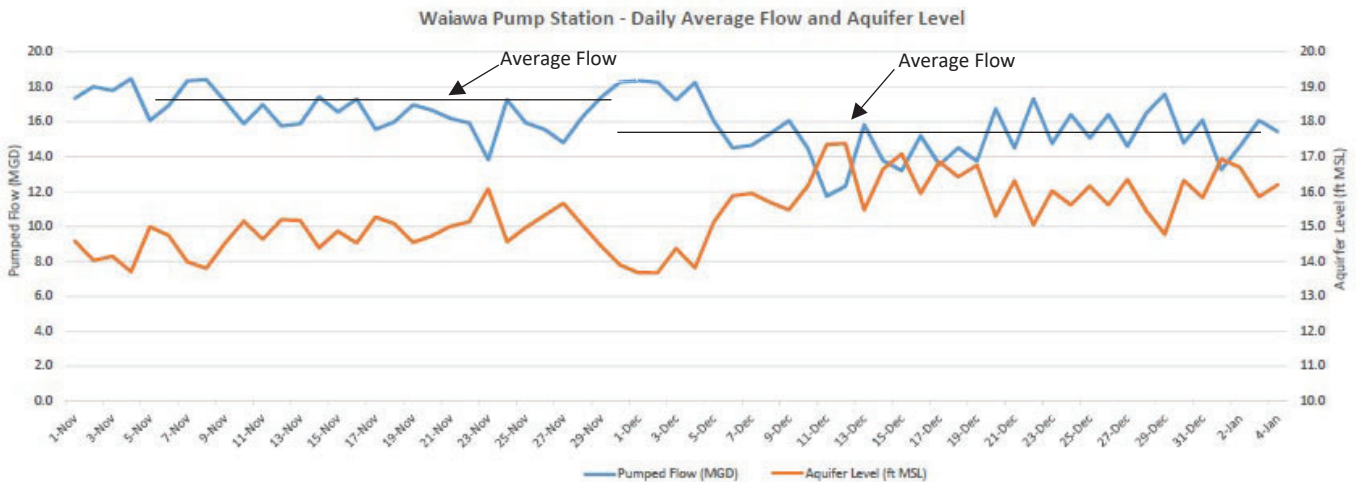


Figure 1. Waiawa Shaft Daily Average Flows and Aquifer Water Surface Elevation

3.2 RED HILL SHAFT/PUMP STATION: Prior to being shut down on 28 November 2021, the Red Hill PS was supplying an average of 5.3 MGD to the system. The represented 24% of the 22 MGD total system demand. As shown in Figure 2, the Red Hill Pump Station has not been operated since 28 November 2021.

Since pumping ceased, the aquifer water surface elevation has raised from approximately 2 ft MSL to almost 6 ft MSL

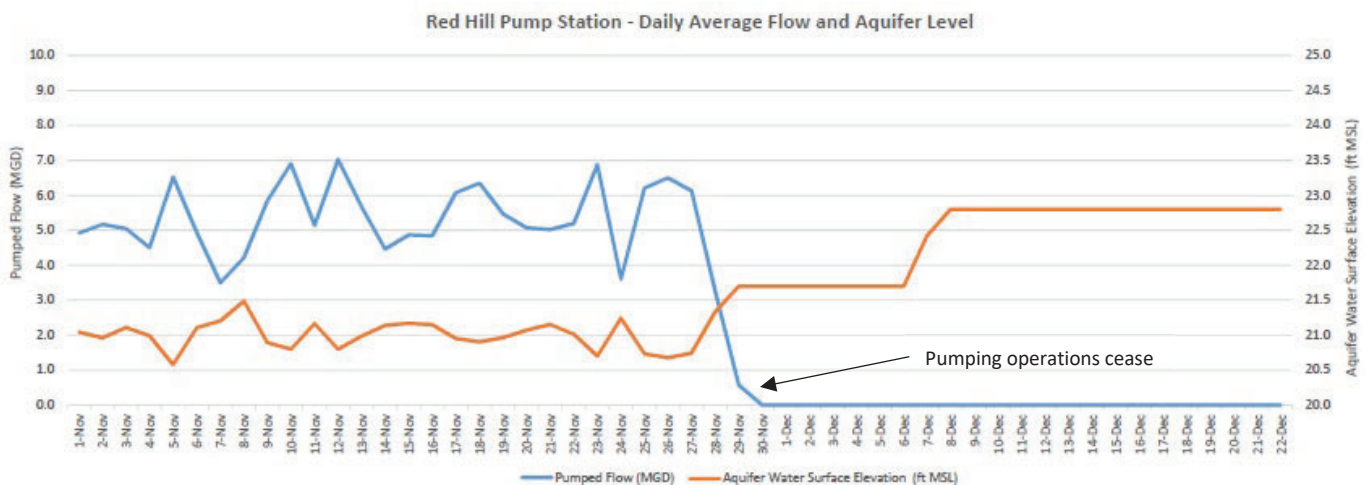


Figure 2. Red Hill Shaft Daily Average Flows and Aquifer Water Surface Elevation

3.3 HALAWA/AIEA SHAFT/PUMP STATION: Halawa Shaft was briefly operated from 28 November to 03 December 2021. The reasons for shutdown are as follows:

1. Demand reductions made it so that Waiawa Shaft could supply 100% of the water to the system,

2. there were concerns over westward plume migration from Red Hill if Halawa remained active,
3. water system operators had advised that high chloride concentrations in the Halawa/Aiea Shaft had caused water quality problems in the past.

The aquifer water surface elevation was around 12.0 ft MSL prior to turning the pumps on at the Halawa/Aiea PS. After the pumping ceased, the aquifer recovered to around 12.8 ft MSL.

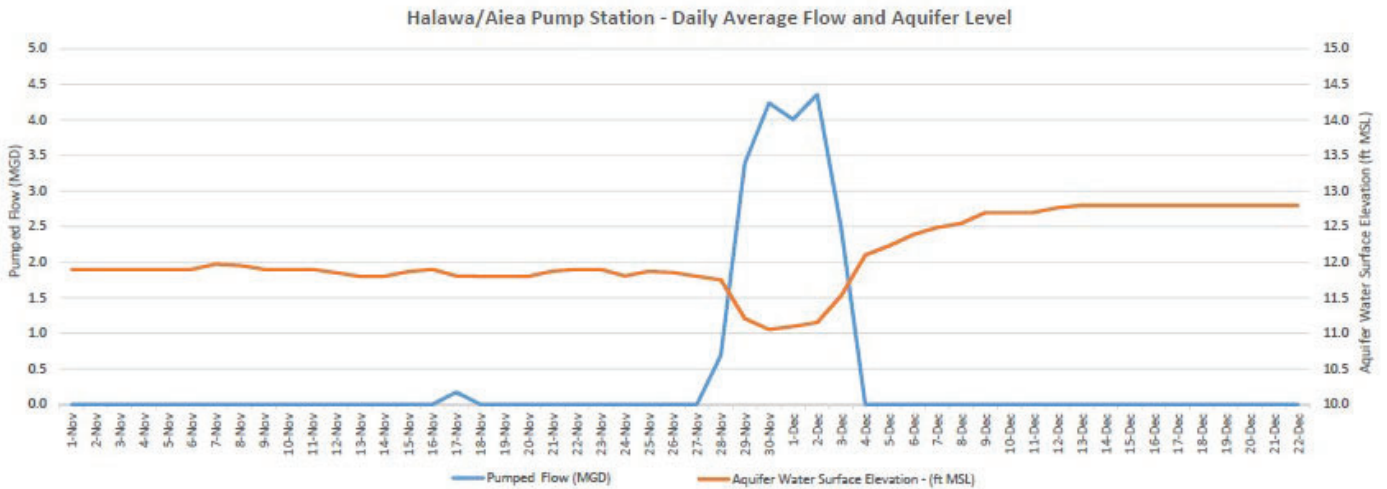
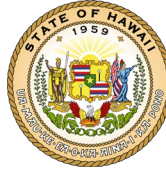


Figure 2. Halawa/Aiea Shaft Daily Average Flows and Aquifer Water Surface Elevation

**Photograph of Concrete Blocking Between
Air Gapped Isolation Flange**





Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

Line of Evidence 1b

**Regulated Public Water System's Water Quality Data is
Compliant**

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1b - The regulated public water system's water quality data is compliant.

Incident Specific Criteria - Data does not exceed Federal DW MCLs, specified State EALs, and ISPs for **Waiawa Shaft**.

Lines of Evidence	Completion Status	Outstanding Items
Date Sample Taken at Step 0 of the Sampling Plan Addendum 1	Complete	<ul style="list-style-type: none">None.
Date Sample Taken at Entry Point to Distribution	Complete	<ul style="list-style-type: none">None.

February 17, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1B – THE REGULATED PUBLIC WATER SYSTEM’S WATER QUALITY IS COMPLIANT

Encl: (1) 1b.1 Source Water and Entry Point of Distribution Sample

1. Enclosure (1) documents completion of Line of Evidence 1b, the regulated public water system’s water quality is compliant. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source.
2. On January 11, 2022, water from the Waiawa shaft was sampled at the entry point to the distribution system (EPD). The results of the analysis are presented in Enclosure (1), Field Sample ID 20111-WS-ZT01. On January 13, 2022, additional samples were taken at the Waiawa shaft source. The results of these samples are also presented in Enclosure (1), Field Sample IDs 220113-WS-ZT01 and 220113-WS-ZT03. This data shows that the water from the Waiawa shaft does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters, and the regulated public water system’s water quality is complaint.
3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

RODRIGUEZ.ALBERTO
.MAURICIO.13963161
68
A. M. Rodriguez
LT, CEC, USN

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1b.1 Source Water and Entry Point of Distribution Sample

Well Shaft Sampling

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	I1-SHFTWAIA		I1-SHFTWAIA		I1-SHFTWAIA	
Location Type:	Well		Well		Well	
Residence:	Waiawa Shaft		Waiawa Shaft		Waiawa Shaft	
Field Sample ID:	220111-WS-ZT01		220113-WS-ZT01		220113-WS-ZT03	
Sample Date:	2022-01-11		2022-01-13		2022-01-13	
Sample Type:	N (PostChlorination Sample)		N (PreChlorination Sample)		N (PreChlorination Sample)	

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels	SDG:	SDG:
2		None	None	0.190 U	0.250 U

Total Organic Carbon					
----------------------	--	--	--	--	--

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels	SDG:	SDG:
200		None	None	5801092421	5801092711

Petroleum Hydrocarbons (as Diesel)		400		90.0 U	
Petroleum Hydrocarbons (as Gasoline)		300		31.0 U	
Petroleum Hydrocarbons (as Motor Oil)		500		180 U	

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels		
None		None	None	--	0.0200 U

Pentachlorophenol					
-------------------	--	--	--	--	--

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels	SDG:	SDG:
0.025		2	2	0.0170 U	--

Mercury					
---------	--	--	--	--	--

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels	SDG:	SDG:
6		6	6	0.0915 J	0.110 U

Antimony					
----------	--	--	--	--	--

Arsenic					
---------	--	--	--	--	--

Barium					
--------	--	--	--	--	--

Beryllium					
-----------	--	--	--	--	--

Cadmium					
---------	--	--	--	--	--

Chromium					
----------	--	--	--	--	--

Copper					
--------	--	--	--	--	--

Lead					
------	--	--	--	--	--

Selenium					
----------	--	--	--	--	--

Thallium					
----------	--	--	--	--	--

Environmental		DOH Safe Drinking		Environmental	
Incident Specific Parameters	Action Levels	Water Branch (SDWB)	Protection Agency Maximum		
	Groundwater	Regulatory	Contaminant		
	Action Levels	Constituents	Levels	SDG:	SDG:
2		2	2	0.0210 U	0.0410 U

SVOC (µg/L)					
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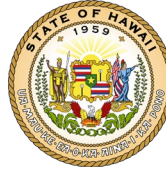
1b.1 Source Water and Entry Point of Distribution Sample

Well Shaft Sampling

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

	70	70	70	70	70	EPD	Shaft	Shaft
1,2,4-Trichlorobenzene						--	0.0930 U	--
1,2-Dichlorobenzene	10	10	600	600		--	0.0520 U	--
1,3-Dichlorobenzene	None	None	None	None		--	0.0410 U	--
1,4-Dichlorobenzene	5	5	75	None	None	--	0.0410 U	--
1-Methylnaphthalene	2.1	10	None	None	0.00801 U	--		0.0190 U
2,4,5-Trichlorophenol	None	None	None	None	--	--	0.100 U	--
2,4,6-Trichlorophenol	None	None	None	None	--	--	0.100 U	--
2,4-Dichlorophenol	None	None	None	None	--	--	0.210 U	--
2,4-Dimethylphenol	None	None	None	None	--	--	0.170 U	--
2,4-Dinitrophenol	None	None	None	None	--	--	1.70 U	--
2,4-Dinitrotoluene	None	None	None	None	--	--	0.100 U	--
2,6-Dinitrotoluene	None	None	None	None	--	--	0.100 U	--
2-Chloronaphthalene	None	None	None	None	--	--	0.0720 U	--
2-Chlorophenol	None	None	None	None	--	--	0.0520 U	--
2-Ethylhexyl adipate	None	None	None	None	0.00962 U	--	--	--
2-Methylnaphthalene	4.7	10	None	None	0.00904 U	--	--	0.0190 U
2-Methylphenol (o-Cresol)	None	None	None	None	--	--	0.0520 U	--
2-Nitroaniline	None	None	None	None	--	--	0.100 U	--
3,3'-Dichlorobenzidine	None	None	None	None	--	--	0.270 U	--
3-Nitroaniline	None	None	None	None	--	--	0.170 U	--
4,6-Dinitro-2-methylphenol	None	None	None	None	--	--	0.570 U	--
4-Bromophenyl phenyl ether	None	None	None	None	--	--	0.0620 U	--
4-Chloro-3-methylphenol	None	None	None	None	--	--	0.130 U	--
4-Chloroaniline	None	None	None	None	--	--	0.610 U	--
4-Chlorophenyl phenyl ether	None	None	None	None	--	--	0.0520 U	--
4-Nitroaniline	None	None	None	None	--	--	0.220 U	--
4-Nitrophenol	None	None	None	None	--	--	1.80 U	--
Acenaphthene	None	None	None	None	--	--	0.0520 U	--
Acenaphthylene	None	None	None	None	--	--	0.0620 U	--
Alachlor	None	None	None	None	0.0110 U	--	--	0.0480 U
Anthracene	None	None	None	None	--	--	0.0520 U	--
Atrazine	None	None	None	None	0.00734 U	--	--	0.0290 U
Benzo(a)anthracene	None	None	None	None	--	--	0.0520 U	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.0117 UJ		0.0410 U	0.00960 U
Benzo(b)fluoranthene	None	None	None	None	--	--	0.0410 U	--
Benzo(g,h,i)perylene	None	None	None	None	--	--	0.0410 U	--
Benzo(k)fluoranthene	None	None	None	None	--	--	0.0520 U	--
Benzyl butyl phthalate	None	None	None	None	--	--	0.280 U	--
Bis(2-chloroethoxy)methane	None	None	None	None	--	--	0.0520 U	--
Bis(2-chloroethyl) ether (2-Chloroethyl ether)	None	None	None	None	--	--	0.0310 U	--
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.437 U		0.770 U	0.580 U
Carbazole	None	None	None	None	--	--	0.100 U	--
Chlordane	None	None	None	None	0.0669 U		--	0.0320 U
Chrysene	None	None	None	None	--	--	0.0410 U	--



Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

Line of Evidence 1c

**No Additional Contamination through the Distribution
System is Occurring**

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1c - No additional contamination through the distribution system is occurring.

Incident Specific Criteria - Cross Connection Control investigation shows distribution system is protected, resulting in no additional sources of contamination.

Lines of Evidence	Completion Status	Outstanding Items
No contamination of the distribution system is occurring from cross-connections with other petroleum sources during this incident	Complete	<ul style="list-style-type: none">• None.
Cross Connection Control/Backflow Program-related documents	Complete	<ul style="list-style-type: none">• None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1C – NO ADDITIONAL
CONTAMINATION THROUGH THE DISTRIBUTION SYSTEM IS OCCURRING

Encl: (1) 1c.1 Certification of Inventory and Petroleum Facility Locations with Associated
Backflow Preventers.
(2) 1c.2 Backflow Prevention and Cross-Connection Control Program Instruction

1. Enclosures (1) and (2) document completion of Line of Evidence 1c, no additional contamination through the distribution system is occurring. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source.

2. Enclosure (1) identifies all water service connections where petroleum activities exist and documents adequate backflow prevention devices installed at those petroleum service activities. Enclosure (2) provides the governing instructions for backflow prevention devices referenced in Enclosure (1). This data shows that no additional contamination through the water distribution system is occurring.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

RODRIGUEZ.ALBE
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A. M. Rodriguez
LT, CEC, USN



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND, HAWAII
400 MARSHALL ROAD
JBPHH, HAWAII 96860-3139

11000
Ser PWO/0090
March 5, 2022

Director of the State of Hawaii
Department of Health (DOH)

Dear DOH Director:

SUBJECT: CERTIFICATE REGARDING CROSS CONNECTION CONTROL REVIEW
AND CONFIRMATION – ZONE F2

Enclosure: [1] ZONE F2: POL Activities Backflow Prevention Devices
[2] ZONE F2: POL Activities Map

On behalf of the United States Department of the Navy, operator of the Joint Base Pearl Harbor-Hickam Public Water System (PWS ID No. 360 Water System), and in connection with and pursuant to the removal action required by the DOH Hazard Evaluation and Emergency Response Office Incident Case No. 20211128-1848, the undersigned certifies that the Navy has made all necessary inquiry into their Water System and represents and warrants as set forth below.

All service connections where petroleum activities exist in the Water System, **Zone F2**, are identified in Enclosure [1], “Zone F2: POL Activities Backflow Prevention Devices.” Petroleum activities include, but are not limited to, operating or having gas stations, fuel storage, facilities with aboveground or underground storage tanks (>100-gallon capacity), fuel transfer, motor pools, vehicle maintenance facilities, fuel recovery pits, waste oil collection facilities or systems.

All service connections where petroleum activities exist, as identified in Enclosure [1] have adequate backflow protection as recommended by and in accordance with COMNAVREGHIINST 11330.2D, BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL PROGRAM. Adequate backflow protection includes installation of devices appropriate to the identified hazard condition, correct design and installation of the device, timely testing by a certified tester, and regular maintenance/repair/replacement.

All facilities identified with adequate backflow protection have had their assemblies tested by a DOH-approved certified tester in the past year in accordance with Hawaii Administrative Rules, Title 11-21-8(b) Maintenance requirements.

The Navy has committed to the funding and performance in FY2022 of a comprehensive cross connection control survey of the entire JBPHH water system per the December 2021 AH Engineers & Scientists Water Quality CAT Memorandum.

SUBJECT: CERTIFICATE REGARDING CROSS CONNECTION CONTROL REVIEW
AND CONFIRMATION – ZONE F2

The undersigned has due authority to deliver to DOH this Certification on behalf of the Navy.

Sincerely,

HARMEYER.RANDALL
.ERNEST.1186692663

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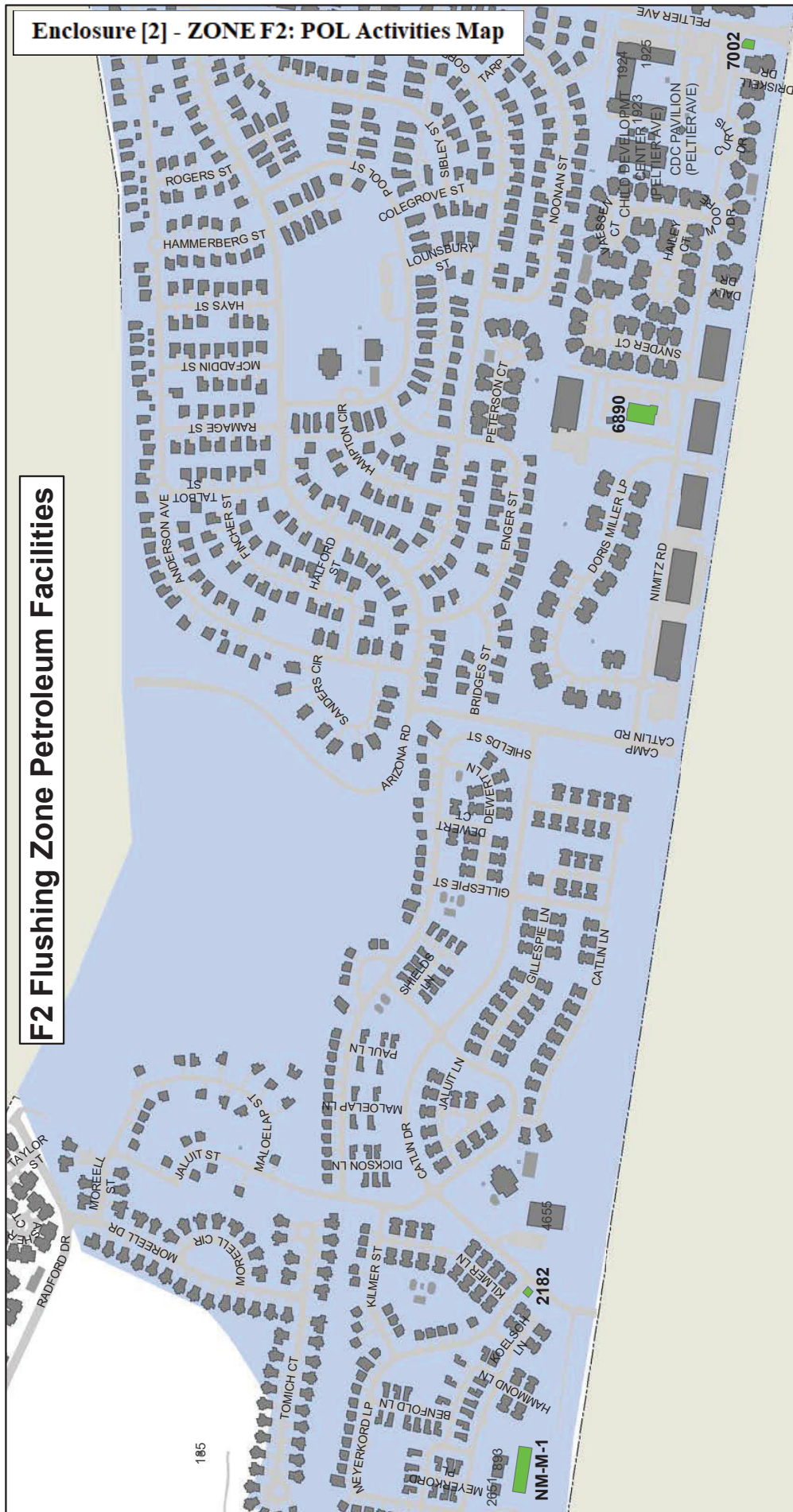
R. E. HARMEYER
Captain, CEC, U.S. Navy
Public Works Officer
By Direction of the
Commanding Officer

Enclosure [1] - ZONE F2: POL Activities Backflow Prevention Devices

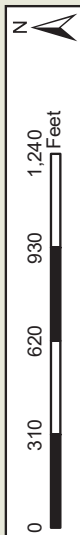
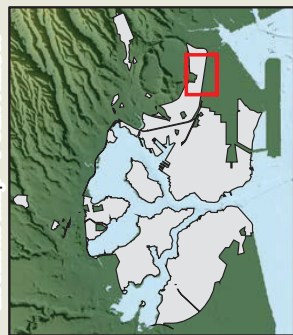
POL Activities Backflow Prevention Devices										Zone: F2	
ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date
SA-FWF 0532BP	NM-M-1	NAVY/MARINE GOLF COURSE	AST CP-A19-1 / 600 GAL DIESEL AST CP-A19-2 / 1,000 GAL MOGAS CP-A19-3-DR / 165 (3@55-GAL DRUM) USED OIL	FEBCO	860	1.5	A03683	6/1/1997	N/A	5/6/2021	N/A
SA-FWE 0315BP	6890	MILLER MINI MART	AST CP-6890-1 / 10,000 GAL MOGAS AST CP-6890-2 / 8,000 GAL MOGAS	FEBCO	825	1.5	45002	1/1/1989	N/A	4/12/2021	N/A
SA-FWF 131	2182 (CC-21)	SEWER STN	AST C-36 / 500 GAL DIESEL	WATTS	909	0.75	612226	1/1/2007	N/A	5/6/2021	N/A
SA-FWF 7002	7002 (MR-32)	SEWER STN	AST C-38 / 100 GAL DIESEL	FEBCO	805	0.75	A002026	1/1/2000	N/A	2/20/2022	N/A

Enclosure [2] - ZONE F2: POL Activities Map

F2 Flushing Zone Petroleum Facilities



Location Map - Pearl Harbor



05 March 2022

MEMORANDUM FOR RECORD

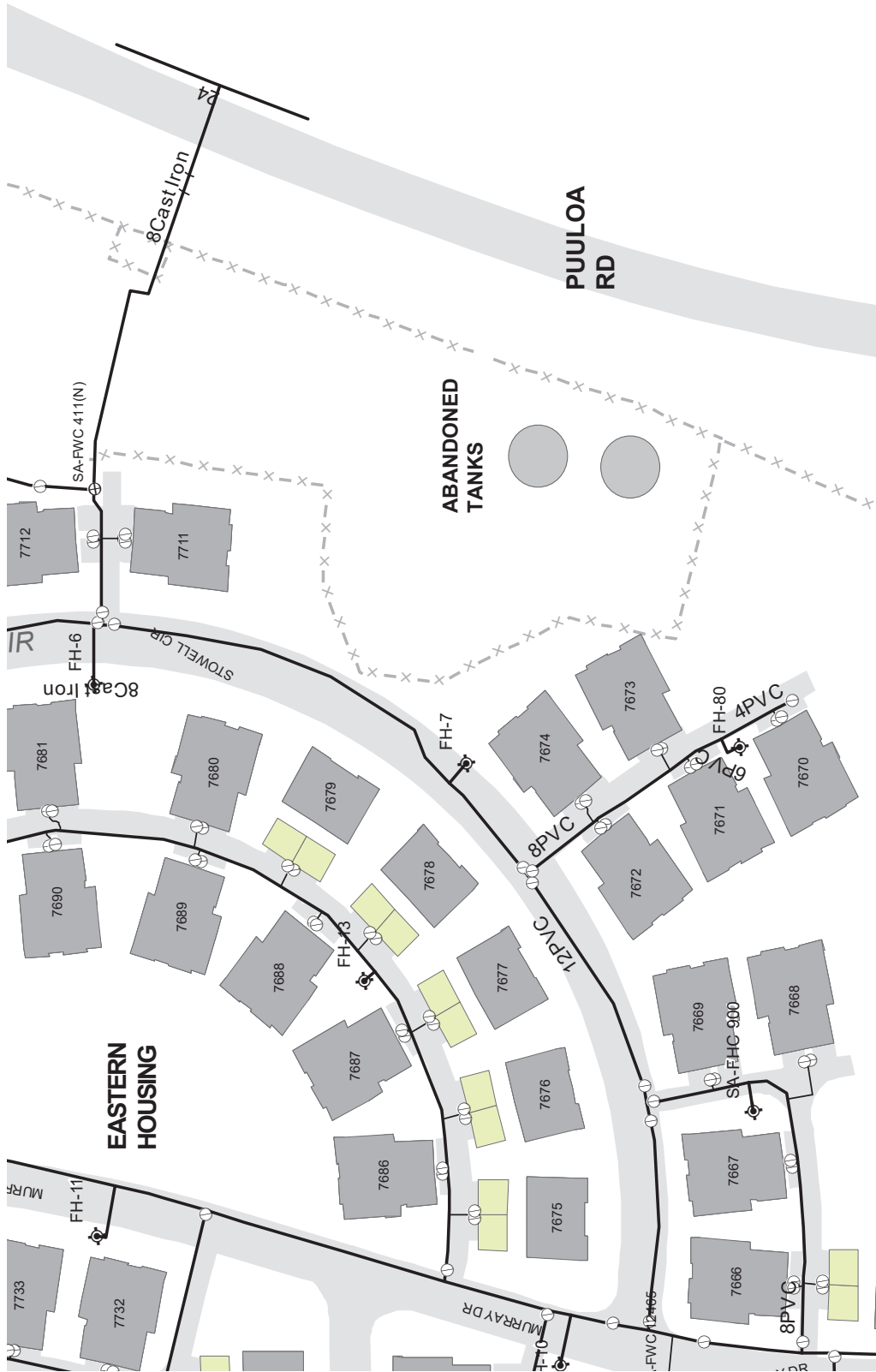
SUBJECT: Propane tanks on Puuloa Rd.

ENCLOSURES: (1) Section of water system on east end of Zone F2

1. This Memorandum for Record (MFR) is to document the status of abandoned propane tanks on Federal property along Puuloa Rd. with regard to the Navy water system.
2. Enclosure 1 shows the location of two propane tanks that are abandoned and not in use. It also shows the water system lines in the vicinity of the Federal land. No water system line is proximate to these tanks.

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam

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Section 1c.1 Certification of Inventory and Petroleum Facility Locations with Associated Backflow Preventers



DEPARTMENT OF THE NAVY

COMMANDER
NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH HI 96860-5101

COMNAVREGHIINST 11330.2D

N4

19 Sep 2016

COMNAVREG HAWAII INSTRUCTION 11330.2D

From: Commander, Navy Region Hawaii

Subj: BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL PROGRAM

Ref: (a) Recommended Practice for Backflow Prevention and Cross-Connection Control, (AWWA Manual M14), American Water Works Association
(b) MIL-HDBK-I 005/7, Military Handbook Water Supply Systems
(c) State of Hawaii, Department of Health, Administrative Rules Title 11, Chapter 21, Cross-Connection and Backflow Control
(d) NAVFACINST 11330.11E
(e) Manual of Cross-Connection Control, Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California
(f) NAVFAC MO-210, Maintenance and Operation of Water Supply, Treatment, and Distribution Systems

1. Purpose. To supplement current Navy directives pertaining to the protection of the Base potable water supply.

2. Cancellation. COMNAVREGHIINST 11330.2C.

3. Definitions. References (a) through (c) define technical terms used herein as follows:

a. Backflow. The reversal of the normal flow of water caused by either backpressure or back-siphonage.

b. Back-pressure. The flow of water or other liquids, mixtures or substances under pressure into the distribution pipes of a potable water supply system from any source or sources other than the intended source.

c. Back-siphonage. The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of pressure in the potable water supply system.

d. Backflow Preventer. A device or means designated to prevent backflow. These include:

(1) Air Gap. The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device and the flood level rim of said vessel. An approved air-gap must be at least double the diameter of the supply pipe, measured vertically, above the top of the overflow rim of the vessel, and in no case less than six inches.

(2) Reduced Pressure Principle Device. An approved assembly of two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure relief valve located between the check valves, as described in reference (b) and specified in reference (d).

(3) Double Check Valve Assembly. An approved assembly of two independently operating approved check valves with tightly closing shut-off valves on each end of the check valves, plus properly located test cocks for the testing of each check valve.

(4) Atmospheric Vacuum Breaker. A device designed to not subject to static line pressure and contains a check valve and an air-let valve.

(5) Pressure Vacuum Breaker. A device that is designed to operate under conditions of static line pressure and contains one or two independently operating, spring-loaded air-inlet valves located on the discharge side of the check valve (or valves), plus properly located test cocks, and tightly closing shut-off valves.

e. Certified Tester. A certified tester means three classes of certified testers:

(1) A limited tester - A person trained and qualified to perform periodic testing, inspection, and repairs on the specific devices contained within a specific plant or institution. This person is usually an employee of the plant or institution and assigned the duty of taking care of the backflow prevention equipment as part of his or her overall plant duties, and does not extend to backflow prevention devices that are not part of the specific plant or institution.

(2) A general tester - A person trained and qualified to perform the periodic testing, inspection, and repairs on all devices that are on the market. This person may be an employee of a water agency, an employee of a municipal agency, or an individual operating a backflow device testing service.

(3) A manufacturer's agent - A person who is an employee of a manufacturer of backflow prevention equipment and is thoroughly familiar with the backflow prevention devices produced by his/her employer. This person maybe familiar with other makes and models of backflow prevention devices but is restricted to only his/her employer's products. The Director of the Department of Health, State of Hawaii or his duly authorized representative, must approve all certified testers.

f. Cross-Connection. Any physical connection or arrangement of piping or fixtures between two otherwise separate piping systems, one of which contains potable water for human consumption and the other water for irrigation, fire protection, industrial and other uses, or non-potable water or industrial fluids of questionable safety, through which, or because of which, backflow may occur into the potable water system. This would include bypass arrangements, jumper connections, removable sections, swivel or changeover devices, and any other temporary or permanent devices through which, or because of which backflow could occur.

4. Background

a. Reference (b) presents requirements for the design of water supply systems for naval shore activities. Reference (b) indicates the design requirements for protecting the potable system from contamination by cross-connections with non-potable supplies and units containing polluted water. Reference (b) further indicates the need to protect the potable system from contamination by irrigation systems.

b. Reference (d) sets forth criteria for specifying backflow preventers of the reduced pressure principle type. It requires that such devices have a current Certificate of Approval and provides a list of approved backflow prevention devices.

c. Reference (e) cites methods and devices by which hazards may be eliminated without interfering with the functions of plumbing or water supply distribution systems. It is a comprehensive reference, and covers all aspects of cross-connection control.

d. Reference (f) provides technical guidance for the operation and maintenance of water supply systems at naval shore activities. Chapter 8 of reference (f) describes how the water system becomes contaminated. Chapter 9 reference (f) further requires that approved backflow preventers be installed according to the degree of the hazard involved and indicates the need for periodic testing and inspection of the devices by certified personnel. It also suggests a time interval for inspection and indicates that all devices be tested according to the manufacturer's service instructions. It further points out the requirements for record keeping.

e. To assure the quality of the water at the customer's tap, both the customer and Navy Facilities Engineering Command, Hawaii (NAVFAC HI), the water supplier, must participate in a backflow prevention and cross-connection control program.

5. Policy. Protect the existing potable water system at all times from hazardous cross-connections by the installation, operation, and maintenance of approved backflow preventers. Backflow prevention and cross-connection control measures must be in accordance with the recommendations and requirements of references (a) through (f).

6. Discussion

a. The objectives of the backflow prevention and cross-connection control program are to achieve the following:

- (1) Protection of the quality of the base water supply.
- (2) Elimination of existing hazards.
- (3) Prevention of future unprotected cross-connections.

b. The backflow prevention and cross-connection control program requires the following:

- (1) The survey all existing cross-connections to determine they are adequately protected.
- (2) The recording of data on all existing backflow preventers to enable up-to-date monitoring. The data must include at least the following information:
 - (a) Activity name.
 - (b) Building number (if appropriate).
 - (c) Sketch of approximate location of backflow preventer.
 - (d) Size, type, model number, and manufacturer of the backflow preventer.
 - (e) Date installed (if known).
 - (f) Type of Hazard.
- (3) Operate, maintained and repair all known existing backflow preventers to ensure their proper operation for the protection of the water system.
- (4) Inspect and test all existing backflow preventers at the minimum time intervals to determine their effectiveness as shown in the table. If successive tests on a backflow preventer indicate repeated failures, test preventer at more frequent interval to be determined by NAVFAC HI Utilities and Energy Management Department, Potable Water Division (OPC61). All testing must be performed in accordance with the manufacturer's instruction.

<u>METHOD OR DEVICE</u>	<u>3</u> <u>MONTHS</u>	<u>6</u> <u>MONTHS</u>	<u>12</u> <u>MONTHS</u>
Pressure Type Vacuum Breaker			X
Double Check Valve Assembly			X
Reduce Pressure Principle devices used for shore-to ship connections	X		

<u>METHOD OR DEVICE</u>	<u>3 MONTHS</u>	<u>6 MONTHS</u>	<u>12 MONTHS</u>
Other Reduced Pressure Principle device		X	
Air Gap			X
Reduced Pressure Principle devices used to separate the Navy's potable water system from another agency's potable water system			X

(5) Review all plans and specifications or sketches and material description for new connections to NAVFAC HI Potable Water Systems by NAVFAC HI OPC61 to verify the safety of the cross-connections.

(6) Report all known or suspected accidental contamination immediately to NAVFAC HI OPC61 to enable corrective action, and avoid widespread contamination of the water system.

7. Implementation. Maintain the following provisions of the backflow prevention and cross-connection control program by the shore activities as indicated below:

a. All shore activities and other agencies who receive potable water from water systems owned and operated by NAVFAC HI must:

(1) Conduct a Cross-Connection Control and Backflow Prevention Survey of the areas under their jurisdiction including building plumbing, fire protection, exterior hose bibs, lawn irrigation systems, etc. The survey must include an inspection of the consumer's premises for hazards noted in references (a) and (e) and document any findings observed during the survey. The survey must also document all existing backflow preventers. The activity is responsible for funding the survey.

(2) Conduct follow-up surveys of the areas under their jurisdiction within 5 years after the initial survey to update the status of the initial findings and provide new information, findings, and recommendations as required. The activity funds the follow-up surveys as a lump sum amount or incremental amounts of the cost determined by NAVFAC HI OPC61.

(3) Take immediate action to eliminate hazards if the survey indicates that there are cross-connection hazards.

(4) Forward copy of all surveys to NAVFAC HI OPC61.

(5) The activity may submit a work request to have NAVFAC HI conduct the survey.

b. All shore activities and other agencies who have existing backflow preventers that do not conform to the requirements of reference (e) and the NAVFAC HI OPC61 and, who receive water from systems owned and operated by NAVFAC HI, must provide funding to have their backflow preventers tested and certified by certified testers from NAVFAC HI OPC61.

c. All shore activities and other agencies who have requirements for new backflow preventers and who receive water from systems owned and operated by NAVFAC HI must:

(1) Provide funding to have their backflow preventers installed, tested, and certified.

(2) Provide funding for the re-testing and re-certification of the backflow preventer should the backflow preventer fail the initial test.

(3) Ensure initial certification and all re-certification is performed by NAVFAC HI OPC61. Certification by other agencies is not accepted.

d. All shore activities and other agencies who have existing backflow preventers registered with NAVFAC HI OPC61 will have their devices inspected, maintained, and certified by NAVFAC HI funding for the inspection, maintenance, and certification must be provided by NAVFAC HI OPC61.

e. The activities who are responsible for the design of the connection to a NAVFAC HI Potable Water System must submit construction drawings and specifications for the connection to NAVFAC HI OPC61 for approval, prior to its construction.

f. NAVFAC HI job planners must obtain approval for the connection to the NAVFAC HI Potable Water System from NAVFAC HI OPC61, if NAVFAC HI is to perform the work and construction drawings are not required for the connection.

g. The activity who requires the connection to NAVFAC HI Potable Water System must obtain approval for the connection from NAVFAC HI OPC61 prior to construction of the connection.

h. All shore activities who install backflow preventers or administer contracts for their installation NAVFAC HI must ensure that all newly installed backflow preventers are tested and inspected by a certified tester from NAVFAC HI OPC61 at the same time that the water outage occurs for the connection to the water system. Backflow preventer must pass all tests prior to supplying potable water.

19 Sep 2016

i. All activities that suspect that the potable water system may have been contaminated must call NAVFAC HI OPC61 Steam/Air/Potable Water Division Manager, telephone number 473-0388. In addition, warn all personnel in the area of the possible contamination to stop drinking the water.


8. Responsibility

a. Commanding Officers and Officers-in-Charge of shore activities must ensure that hazards from cross-connections are eliminated and that new connections are approved.

b. Commanding Officers and Officers-in-Charge of shore activities in doubt as to the proper methods of backflow prevention and cross-connection control may request engineering and technical assistance from NAVFAC HI (Code 431), Long Range Maintenance Planning Branch, telephone number (808) 474-3700.

9. Records Management. Manage all records created by this instruction, regardless of media or format per SECNAV Manual 5210.1 of January 2012.

10. Review and Effective Date. Per OPNAVINST 5215.17A of 26 May 2016, the Facilities and Environmental (N4) will review this instruction annually on the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, DoD, SECNAV, and Navy policy and statutory authority using OPNAV 5215/40. This instruction will automatically expire 5 years after its issuance date unless reissued or canceled prior to the 5-year anniversary date, or an extension has been granted.



R. A. ESPINOSA
Chief of Staff
Acting

Distribution:

Electronic only, via CNRH Gateway

<https://g2.cnrc.navy.mil/CNRH/SitePages/Home.aspx>



Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

Line of Evidence 2a

Water within the Distribution System does not exceed State and Federal Drinking Water MCLs, Specified State EALs, and ISPs

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination remains in the system and water chemistry concerns are addressed.

Objective 2a - Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Zone flushing plan demonstrates entire distribution system is flushed.
- Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
- Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Lines of Evidence	Completion Status	Outstanding Items
JBPHH water system's approach to flushing and their metrics for success.	Complete	<ul style="list-style-type: none"> • None.
Validity of the volumetric exchange model	Complete	<ul style="list-style-type: none"> • None.
Verification that the entire distribution system is flushed volumetrically.	Complete	<ul style="list-style-type: none"> • None.
Residential Sampling Report for Flushing Zone (Risk Management Summary)	Complete	<ul style="list-style-type: none"> • None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 2A – WATER WITHIN THE DISTRIBUTION SYSTEM DOES NOT EXCEED STATE AND FEDERAL DW MCLs, SPECIFIED STATE EALs, AND ISPs

Encl: (1) 2a.1 Memorandum for Record
(2) 2a.2 Validity and Application of Volumetric Exchange Method
(3) 2a.3 Hydraulic Model
(4) 2a.4 Records of Completed Volumetric Exchanges
(5) 2a.5 Water Source and Water Storage Facilities
(6) 2a.6 Distribution System Exceedance Investigation Summary and Results

1. Enclosures (1) through (6) document completion of Line of Evidence 2a, that water within the Zone F2 distribution system does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the Joint Base Pearl Harbor-Hickam (JBPHH) distribution network. Zone F2 is part of the JBPHH Drinking Water system that is operated and maintained by the United States Navy. Flushing operations for Zone F2 are summarized in Enclosure (1), signed by LCDR Carl Chase, team lead for the Drinking Water Distribution System Recovery Team.

2. Details on the drinking water system and flushing operations and protocols are provided in Enclosures (1), (3), and (5). The guidance provided by Dr. Whelton on the recommended volume exchanges to be flushed in the distribution system is provided in Enclosure (2).

3. The records of the distribution system volumetric exchanges flushed are provided in Enclosure (4). Level 2 sampling data collected after distribution flushing is summarized in Enclosure (6).

4. Sample results with analyte detections exceeding the prescribed MCL, EAL, or ISP are documented in Enclosure (6). The follow-on investigation summary and additional sampling results are also documented in Enclosure (6).

5. The information provided in Section 2a, including the flushing process followed and the subsequent sampling results, demonstrate that water within the Zone F2 distribution system does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters.

6. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOP
HER.JAMES.154019
4862

Digitally signed by
WETZEL.CHRISTOPHER.JAMES.15
40194862
Date: 2022.02.19 19:37:51 -08'00'

C. J. Wetzel
LT, CEC, USN

MEMORANDUM FOR THE RECORD

From: LCDR Carl Chase, JBPHH Drinking Water Distribution System Recovery Team

To: Interagency Drinking Water System Team

Subj: DISTRIBUTION SYSTEM RECOVERY PLAN ADDENDUM – ZONE F2 ANALYSIS

Ref: (a) Memorandum for the Record from LCDR John Daly regarding the Distribution System Zone Flushing, December 28, 2021

(b) State of Hawaii Department of Health, Directive One– Flushing Requirements Navy Water System Incident, Case No.: 20211128-1848 (HI Directive One, dated 08 December, 2021)

(c) Drinking Water Distribution System Recovery Plan, 17 December 2021

(d) Incident Specific Criteria to Meet Lines of Evidence Objectives 1c and 2a, dated 05 January 2022

1. OBJECTIVE: The Drinking Water Distribution System Recovery Plan (DWDSRP) was signed by the Interagency Working Group on 17 December 2021. This addendum provides additional technical information to document the system flushing methodology and engineering approach used to restore Flushing Zone F2 to service as requested by the State of Hawaii Department of Health (HI DoH) in reference (d).

2. BACKGROUND:

2.1. Portions of the Navy water distribution system serving JBPHH and surrounding areas were exposed to low levels of fuel contamination with initial indications in the form of smell reports occurring on or about 28 November 2021.

2.2. Prior to the aquifer contamination incident (incident), water users connected to the Navy's system were supplied by three Navy owned water sources, Red Hill Shaft, Aiea/Halawa Shaft and Waiawa Shaft. In the time period prior to the incident, Waiawa Shaft was the main water source supplying approximately 16 million gallons per day (MGD) to the JBPHH system with at least one pump operating full time (100%). A single Red Hill Shaft pump was operated intermittently as a secondary source to supply approximately 5.5 MGD to the system. The Aiea/Halawa shaft was not being operated due to concerns over high chloride concentrations caused by saltwater intrusion into the aquifer.

2.3. On the evening of 28 November 2021, the Red Hill Shaft was secured and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on 28 November 2021 but was shut down on 03 December 2021 to prevent westward contaminant migration in the aquifer.

2.4. Since 03 December 2021, Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility and testing has not found any water quality issues at this source.

3. ENGINEERING ANALYSIS AND TOOLS: DWDSRP development utilized engineering judgement informed by existing tools and data sources such as ArcGIS, Supervisory Control and Data Acquisition (SCADA) system historic/current data, hydraulic models, and input from water system infrastructure contamination subject matter experts (SMEs).

3.1. ArcGIS was the primary tool used for mapping, volumetric calculations, and spatial analysis of the JBPHH utility systems.

3.2. System flows were measured by meters at key points within the distribution system. Data was recorded and stored by the Navy's SCADA system historian. SCADA is also monitored 24/7 by water system operators.

3.3. A hydraulic model was developed in 2014 and calibrated to conditions at the time. It is a skeletonized model depicting major transmission lines to many areas of the base. It does not include all mainline pipes, the Hickam area, or laterals feeding residence and non-residence facilities. The model was considered to be of limited use in determining the effectiveness of system flushing. It was primarily used to determine areas that were most likely impacted by the contamination event. The results directly correlated with initial reporting from impacted residents.

3.4 Dr. Andrew Whelton, a Purdue University associate professor of civil, environmental, and ecological engineering and recognized for his expertise in disaster response and recovery, provided recommendations to the US Navy based on his research and experience. His work is often cited in EPA literature and he is a leading expert in the field of recovering contaminated drinking water plumbing. His recommendations were incorporated into the DWDSRP.

4. CONSTRAINTS: In addition to Section 1.3 of the DWDSRP, the following constraints were considered during development of the plan:

4.1. Waiawa Shaft pumps are capable of pumping 19 MGD with 2 pumps running at full speed. There are 4 pumps at Waiawa Shaft, 2 are operational, one is standby, and one is down for maintenance. Average daily demand at JBPHH since the incident has ranged from 11 to 14 MGD. Maximum potable water system flushing flows were limited to 5 MGD to avoid excessive drawdown of the S1/S2 tanks and stay within the capacity of Waiawa Shaft pumps.

4.2. The two 6 million gallon (each) tanks, S1 and S1 could not be drawn down below the 28-foot level. This constraint was imposed by the water system operators who wanted to avoid low water system pressures that would be caused by S1/S2 drawdown below 28-feet.

4.3. Discharge to the Navy's sanitary sewer system and the Fort Kamehameha Wastewater Treatment Plant (Ft. Kam WWTP) was limited to 1 MGD by wastewater operations staff. Much of the infrastructure Ft. Kam WWTP was considered to be in poor condition and some process elements do not have a backup unit. The direct discharge of too much potable water to the plant was also thought to pose the risk of "wash out" of the microbes that provide secondary treatment.

4.4. Discharges of potable water to land or storm sewers were required by HI Directive One to be treated prior to discharge. Treatment was provided through 1 MGD mobile granular activated carbon (GAC) units. The units had several constraints on their use including site access, adequate staging areas that were level with sufficient area for the units and support crews, impacts to the community, traffic control, and distance to discharge. Each GAC was kept in a single location for at least 24 hours due to labor and time required for unit setup and breakdown.

4.5. Water service was required be maintained to residents and JBPHH tenants. Many families have remained in their homes and mission essential Government activities require continuous water service.

4.6. JBPHH did not have an established unidirectional flushing plan developed prior to the incident. Unidirectional flushing typically involves inducing one-way flow through each pipe segment in a water distribution system by closing mainline isolation valves and opening hydrants for a short period of time. The number of hydrants required would be determined by the pipe size and the minimum water velocity required to flush sediments and other contaminants from the pipe segment. True unidirectional flushing of the system was determined not to be a feasible method for flushing the JBPHH potable water system for the following reasons:

4.6.1. Per section 1.2 of the DWDSRP, the distribution system was to be recovered with critical urgency. Additionally, SMEs advised that the longer contaminants remained in the system, the more likely it was that they would migrate into plastics, gaskets, sediments, etc. A unidirectional flushing program would take several months to develop and implement and the timeline was not considered feasible for a return to service.

4.6.2. Water system operators indicated that many mainline isolation valves would not properly close and could not be relied upon to isolate pipe segments.

4.7. Dr. Whelton recommended three volumetric turnovers for impacted pipe networks. Flushing zones with higher risk of contamination were identified and prioritized using water user complaint history, testing results, the hydraulic model, and the hydraulic proximity to Red Hill Shaft. A factor of safety was applied to the highest priority zones by specifying a minimum of five volumetric turnovers. Zones where the hydraulic modelling indicated that contamination may have travelled, were in close hydraulic proximity to Red Hill Shaft, and had few complaints were flushed with the recommended three volumetric turnovers. Low priority was given to zones where SCADA data indicated that water was fed solely from Waiawa Shaft before and after the incident. To reduce water waste, flush zones with lower risk of contamination were volumetrically turned over a minimum of once or twice.

5. Following Dr. Whelton's recommendation, the DWDSRP was designed with a directional flush of the distribution system starting from the clean water source and moving systematically through the entire system. The limited water source capacity at Waiawa Shaft and disposal constraints required that the system be broken down into smaller flush zones. 19 total zones were established that could be independently flushed without adverse hydraulic or water quality impacts to previously flushed zones. Section 2.4 of the DWDSRP depicts the network diagram and zone relationships.

6. FLUSH ZONE F2:

6.1. DESCRIPTION OF FLOW: This zone is fed from F1 to the east via two 16-inch mains. The zone is also connected to zone D3 to the south via a 16-inch main. A schematic representation of Zone F2 is included in Figure 1.

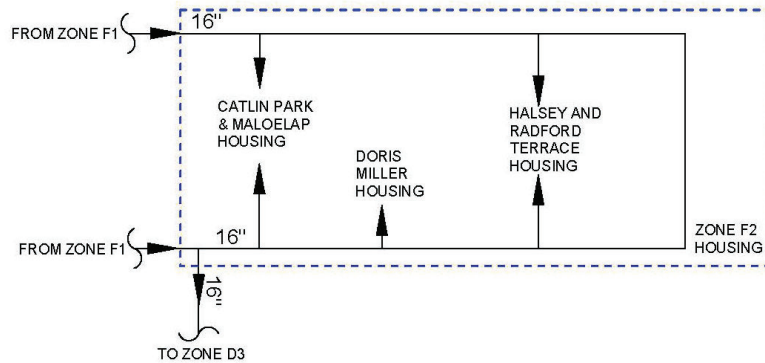


Figure 1. Zone F2 Schematic

6.2. WATER USE/TENANTS: Water users in this zone are mostly single and multi-family residential housing tenants in the Catlin Park, Doris Miller, Halsey and Radford Terrace housing neighborhoods. There are also several child daycare centers (CDCs) in this zone.

6.3. PIPE VOLUME: Per section 2.5.1.1. of the DWDSRP, Flush Zone F2 has a mainline pipe volume of 290 thousand gallons (KGal). With the exception of the main transmission pipelines, mainline pipes in the zone are 6 to 12-inches in diameter.

6.4. PRIORITY: Zone F2 is in close hydraulic proximity to the Red Hill Shaft and contamination likely reached this zone. In addition, there were many complaints from residents in this zone and hydraulic modelling indicated that contamination likely reached this zone. Zone F2 was included in Phase #1 with five volumetric turnovers minimum.

6.5. HYDRANT SELECTION: Fourteen geographically and hydraulically dispersed flushing hydrants were selected to flush Zone F2.

6.6. DEAD-END LINES: It is possible that flushing was not induced in some small neighborhood loops or longer dead-end lines serving facilities or piers. To address this concern, additional distribution water line samples were taken in locations selected in a joint effort by the Navy, DoH, and EPA. These samples are representative of other dead-end lines within the zone.

6.7. FLUSHING ACTUALS: Water was simultaneously discharged through:

1 N	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
2-Jan	20:00	8:00	20:18		0:49	20220102 0800-0900	N/A	
3-Jan	8:00	20:00		10:30	2:30	20220103 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME 14:12</div><div>VOLUME 170400 Gallons</div></div>								

1 S	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
2-Jan	8:00	20:00	17:10		2:50	20220102 0800-2000	Y	
2-Jan	20:00	8:00			12:00	20220102 2000-0800	N/A	
3-Jan	8:00	20:00		11:00	3:00	20220103 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME 17:50</div><div>VOLUME 214000 Gallons</div></div>								

5	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
5-Jan	8:00	20:00	16:53		3:07	20220105 0800-2000	Y	
5-Jan	20:00	8:00			12:00	20220105 2000-0800	N/A	
6-Jan	8:00	20:00		8:54	0:54	20220106 0800-2000	Y	

TOTAL RUN @ FLOW of 200

TIME 16:01

VOLUME 192200 Gallons

19	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
5-Jan	8:00	20:00	10:35		9:25	20220105 0800-2000	Y	
5-Jan	20:00	8:00			12:00	20220105 2000-0800	N/A	
6-Jan	8:00	20:00		9:00	1:00	20220106 0800-2000	Y	
<div>TOTAL RUN @ FLOW of 200</div> <div>TIME 22:25</div> <div>VOLUME 269000 Gallons</div>								

25	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
5-Jan	8:00	20:00	14:25	17:22		2:57 20220105 0800-2000	Y	
5-Jan	8:00	20:00	19:38			0:22 20220105 0800-2000	Y	
5-Jan	20:00	8:00				12:00 20220105 2000-0800	N/A	
6-Jan	8:00	20:00		16:30		8:30 20220106 0800-2000	Y	
<div><div>TOTAL RUN @ FLOW of 100</div><div>TIME 23:49</div><div>VOLUME 178625 Gallons</div></div>								

33	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
5-Jan	8:00	20:00	14:42		5:18	20220105 0800-2000	Y	
5-Jan	20:00	8:00			12:00	20220105 2000-0800	N/A	
6-Jan	8:00	20:00		9:32	1:32	20220106 0800-2000	Y	

TOTAL RUN @ FLOW of 200

TIME 18:50

VOLUME 226000 Gallons

7	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
5-Jan	8:00	20:00		13:34	17:15	3:41 20220105 0800-2000	Y
5-Jan	8:00	20:00		19:21		0:39 20220105 0800-2000	Y
5-Jan	20:00	8:00				12:00 20220105 2000-0800	N/A
6-Jan	8:00	20:00		16:00		8:00 20220106 0800-2000	Y
TOTAL RUN @ FLOW of 100							
TIME 23:41							
VOLUME 177625 Gallons							

13	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
4-Jan	8:00	20:00		16:13	3:47	20220104 0800-2000	N/A	
4-Jan	20:00	8:00			12:00	20220104 2000-0800	N/A	
5-Jan	8:00	20:00		11:03	3:03	20220105 0800-2000	Y	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME18:50</div><div>VOLUME226000 Gallons</div></div>								

17	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
5-Jan	8:00	20:00		9:53	10:07	20220105 0800-2000	Y	
5-Jan	20:00	8:00			12:00	20220105 2000-0800	N/A	
6-Jan	8:00	20:00		8:40	0:40	20220106 0800-2000	Y	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME22:47</div><div>VOLUME273400 Gallons</div></div>								

34	Shift			Flush Time			Documentation						
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log						
2-Jan	8:00	20:00		16:55	3:05	20220102 0800-2000	Y						
2-Jan	20:00	8:00			12:00	20220102 2000-0800	N/A						
3-Jan	8:00	20:00		9:17	1:17	20220103 0800-2000	N/A						
<table><tr><td colspan="2">TOTAL RUN @ FLOW of 200</td></tr><tr><td>TIME</td><td>16:22</td></tr><tr><td>VOLUME</td><td>196400 Gallons</td></tr></table>								TOTAL RUN @ FLOW of 200		TIME	16:22	VOLUME	196400 Gallons
TOTAL RUN @ FLOW of 200													
TIME	16:22												
VOLUME	196400 Gallons												

40	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
2-Jan	8:00	20:00		9:17	12:46	3:29 20220102 0800-2000	Y	
2-Jan	8:00	20:00		17:30		2:30 20220102 0800-2000	Y	
2-Jan	20:00	8:00				12:00 20220102 2000-0800	N/A	
3-Jan	8:00	20:00		10:30		2:30 20220103 0800-2000	N/A	
TOTAL RUN @ FLOW of 200								
TIME 20:29								
VOLUME 245800 Gallons								

48	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
4-Jan	8:00	20:00		15:13	4:47	20220104 0800-2000	N/A	
4-Jan	20:00	8:00			12:00	20220104 2000-0800	N/A	
5-Jan	8:00	20:00		10:43	2:45	20220105 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME19:32</div><div>VOLUME23440 Gallons</div></div>								

50	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
4-Jan	8:00	20:00	19:20		0:40	20220104 0800-2000	N/A
4-Jan	20:00	8:00			12:00	20220104 2000-0800	N/A
5-Jan	8:00	20:00		13:00	5:00	20220105 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 17:40 VOLUME 212000 Gallons </div>							

51	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
3-Jan	20:00	8:00	0:18		7:42	20220103 2000-0800	N/A
4-Jan	8:00	20:00		8:39	0:39	20220104 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 8:21 VOLUME 100200 Gallons </div>							

Hydrant	Volume
1 N	170,400
1 S	214,000
5	192,200
7	177,625
13	226,000
17	273,400
19	269,000
25	178,625
33	226,000
34	196,400
40	245,800
48	234,400
50	212,000
51	100,200
TOTAL	2,916,050

6.7.1. The total volume flushed through zone F2 was 2,916 KGal for 10 volumetric turnovers. Actual volumetric turnovers exceeded the minimum requirement.

6.8. SCADA DATA: SCADA was an effective tool when meters were located at both the entrance and exit of the zone. Due to the distribution network scale and lack of meters in this zone, information from SCADA provided limited use.

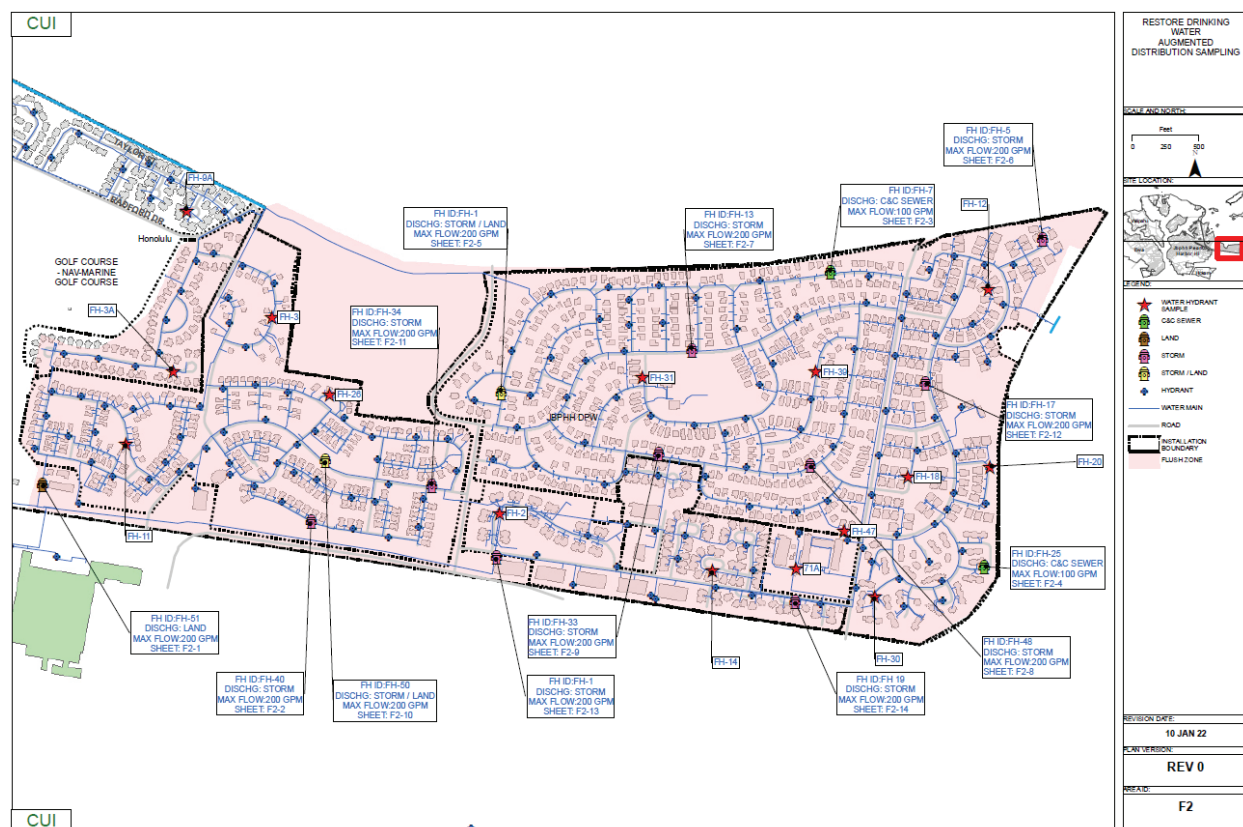


Figure 2: Flush Zone F2

CC
CC, CC, USN

C. C. CHASE

February 15, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: VALIDITY AND APPLICATION OF VOLUMETRIC EXCHANGE METHOD

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Dr. Whelton email documenting volumetric exchange method dtd 08 JAN 22

1. This letter documents the basis of the volumetric exchange method used in the development of reference (a). The basis of the flushing method was based on two key recommendations from Dr. Whelton, who served as the Navy's consultant in the early stages of the incident. Enclosure (1) documents key recommendations from Dr. Whelton which included flushing from a clean source, systematically moving through the entire system, and flushing at least three times the pipe volume. Rules of three is what Dr. Whelton generally recommends.

2. Reference (a) incorporated the recommendations from Dr. Whelton by creating a flushing sequence that began with clean water from the Waiawa shaft and flushing systematically through the entire system. The volumetric exchanges for each zone and zone flushing sequence plan was developed by Navy engineers. This is outlined in table 2.4, Distribution System Recovery Plan Diagram, and section 2.5, Flushing Plan Phasing, of reference (a). A safety factor was applied to the rule of three to obtain five volumetric turnovers for the phase 1 zone areas. Phase 2 zone areas had three volumetric turnovers. Phase 3 zone area had two volumetric turnovers and phase 4 zone areas had one volumetric turnover. The phase 3 and phase 4 zone volumetric turnover determinations were made after considering the up-gradient zone flushing volumes and the non-potable use of water in the zones.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL.WAYNE.JR. Digitally signed by
MENO.MICHAEL.WAYNE.JR. 1088310035
1088310035 Date: 2022.02.15
07:17:55 -10'00'

M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

****Phone numbers have been redacted****

From: Whelton, Andrew J <[REDACTED]>
Sent: Saturday, January 8, 2022 4:58 AM
To: Lee, Andre K (NAVFAC HI BD) CIV USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Cc: Isaacson, Kristofer P <[REDACTED]>; Proctor, Caitlin Rose <[REDACTED]>
Subject: [URL Verdict: Neutral][Non-DoD Source] RE: Cross Connection Control Plan and Flushing Plan documentation requirements for DoH

LCDR Daly,

I am free to talk later this afternoon today if you want. I'm Mountain Standard Time.
Below is some information.

Andy
[REDACTED]

FEEDBACK

1. You applied unidirectional flushing and if you opened hydrants fully you likely maximized velocity in the pipes you were flushing. The issue they seem to be getting at is scouring velocity which you identify. This is used for removing sediment (typical cleaning of water pipes) as you know. There is no SOP for water contamination response and recovery, so you applied standard water distribution system maintenance practice of unidirectional flushing. This is good. The state I think invoked water main disinfection standard which, to my knowledge isn't applicable here unless you conducted shock disinfection.
 - a. For perspective, per a Water Research Foundation study: Microbial Control Strategies for Main Breaks and Depressurization, Project 4307. Published 2014. Denver, Colorado.
 1. Scouring velocity helps removed sediment from water mains/pipes. To achieve 2.5 to 3 log removal of sand particles for 4-to-16-inch diameter PVC pipes, 3 ft/s is needed.
 2. In that report, to achieve this removal for a 6-inch diameter PVC pipe, Q was 308 GPM
 3. In that report, to achieve this removal for 4-inch diameter PVC pipe, Q was 137 GPM
 - b. We recommended starting flushing from the clean water source and moving systematically through the entire system in a unidirectional way. If you all did this, be sure to explain that. That helps minimize the change residual "old" water gets untouched, or is left in the system.
 - c. You could calculate scouring velocities in each of the areas. If any are lower than desired you can go back and just keep repeat flushing giving an added level of safely.
 - d. The state's interest in scouring velocity may be of concern that (JP-5?) free product adsorbed to sediment/scales and they want to be certain it got scoured out. If it didn't, it could dissolve it's constituents into water over time.
 - e. Dead-ends are really important. You need to specifically address how you will get that water out. In West Virginia, many weeks after the spill and utility had flushed out the black-licorice smelling contaminated water out someone in a distal part of the system complained about odor. To my recollection the utility thought it was psychological, but it turned out there was a dead-end they didn't flush. Somehow that contaminated water got drawn into a nearby home and someone was exposed.

- f. Question: How long was each hydrant open typically?
 - g. I think we mentioned flushing 3 times the pipe volume. Rules of three is what I often recommend. Flushing velocity is certainly important. I vaguely remember NAVFAC had contracted a consultant to create the flushing plan.
2. JP-5 isn't a single contaminant which we've talked about before. It's a mixture of 100s-1000s of individual chemicals. Even if JP-5 itself is hydrophobic and primarily found in emulsions or floating on the surface, some of these constituents will still diffuse into the water itself. The question they are likely after is how do you know you removed all parts of JP-5 that may have gotten entrained in the water system? This goes back to what chemicals are you testing for in the water distribution system. JP-5 constituents have different water solubility and octanol-water partitioning coefficients (Log Kow = How much they like to be in biofilm and plastics, not water). Additionally, the different materials (Metal vs PVC vs HDPE vs. gaskets) may be more prone to soaking up some JP-5 contaminants and not others depending on their characteristics. For example, PVC has been shown to be less susceptible to soaking up some crude oil-based contaminants than HDPE pipes (Huang et al. study with Whelton). Ultimately, the fate of the chemicals in the drinking water system will not be the same for all JP-5 constituents. Remember the drawing I drew on the whiteboard when meeting with CDR Chase, NAVFAC, COE, and Army? It showed different constituents may be in different parts of the water system. That's what DOH is likely after. Question to you: What wide screen testing have you done in the water distribution system since December 22? This can help you hunt down that the contaminants are present or gone.
 3. Escalation should be based on how much flushing you are okay with trying. If you want to remove and replace infrastructure (that has sometimes happened after other contamination events on the mainland and overseas), it's a viable but laborious option. As an extreme example, following the Camp Fire it was estimated it would take over a year of continuous flushing to return some contaminated pipes to safe use, so for some conditions they removed and replaced pipes. However, this flushing timeline will vary significantly depending on the water distribution systems and water testing results – AND chemicals or individual JP-5 constituents present. If I knew what the chemicals were still being found and what was done to try to get rid of them, I could give a more informed opinion. Food grade surfactants were used in Israel after a drinking water contamination incident...BUT using surfactants is not trivial and can cause all sorts of damage to water system components and leave residual. This probably isn't an email, but more discussion. Happy to talk. If you decide you want to go this way we should be more engaged technically in what this means. It's not likely an email response/effort, but more involved.
 4. Here's a paper where we reviewed petroleum (and other material) drinking water distribution and plumbing contamination incidents and flushing [Decontaminating chemically contaminated residential premise plumbing systems by flushing - Environmental Science: Water Research & Technology \(RSC Publishing\) DOI:10.1039/C5EW00118H](https://doi.org/10.1039/C5EW00118H). Unfortunately, when we went to

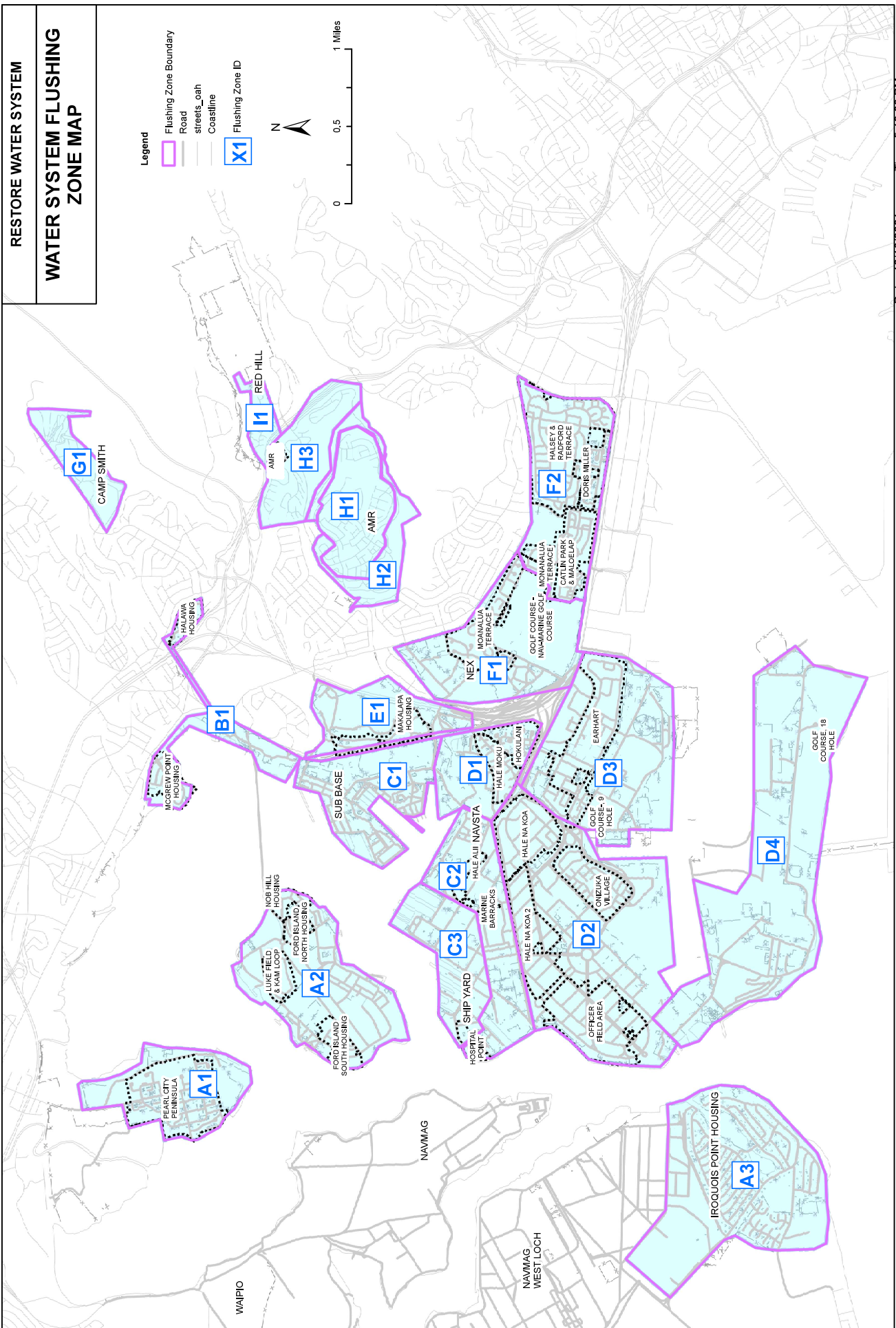
review the underlying evidence of each incident, often the utility and state didn't document much. Even incidents overseas had little documentation. It seems groups simply tried something, it did or didn't work, and they moved on. They also didn't sample much and rarely it an entire water distribution system that was affected.

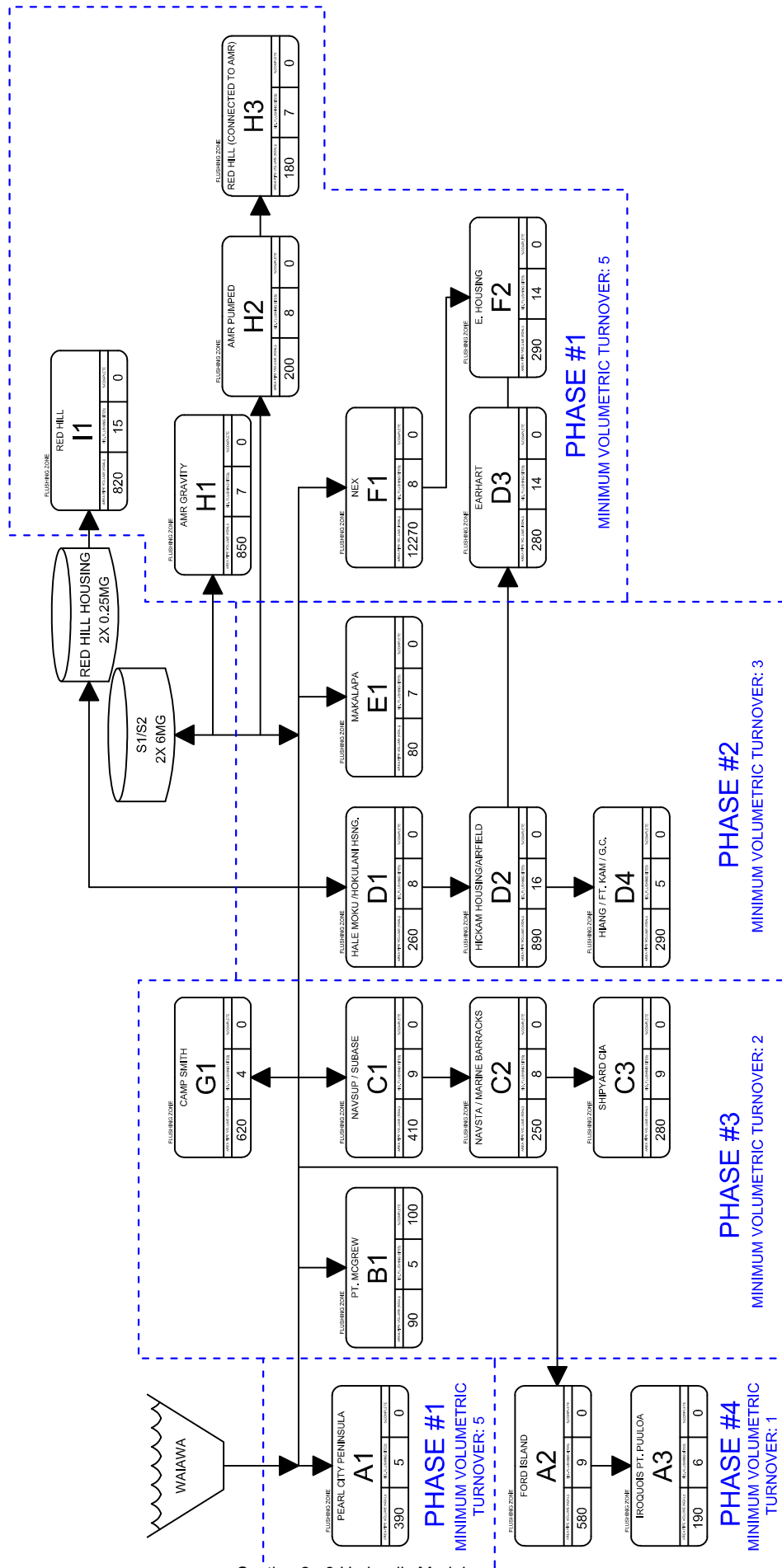
Again, I can get on a zoom call or phone this afternoon MST to connect. I was called into the Colorado wildfires to help the communities identify and design water sampling and recovery plans. We're getting data every day and meeting with state and federal agencies. This is the Marshall Fire and Middle Fork Fire. I apologize for the delayed response.

Andy

Cell/text: [REDACTED]

**Link to Dr.Whelton's Paper: <https://pubs.rsc.org/en/content/articlelanding/2015/ew/c5ew00118h>





Section 2a.3 Hydraulic Model



JBP HH Hydraulic Model

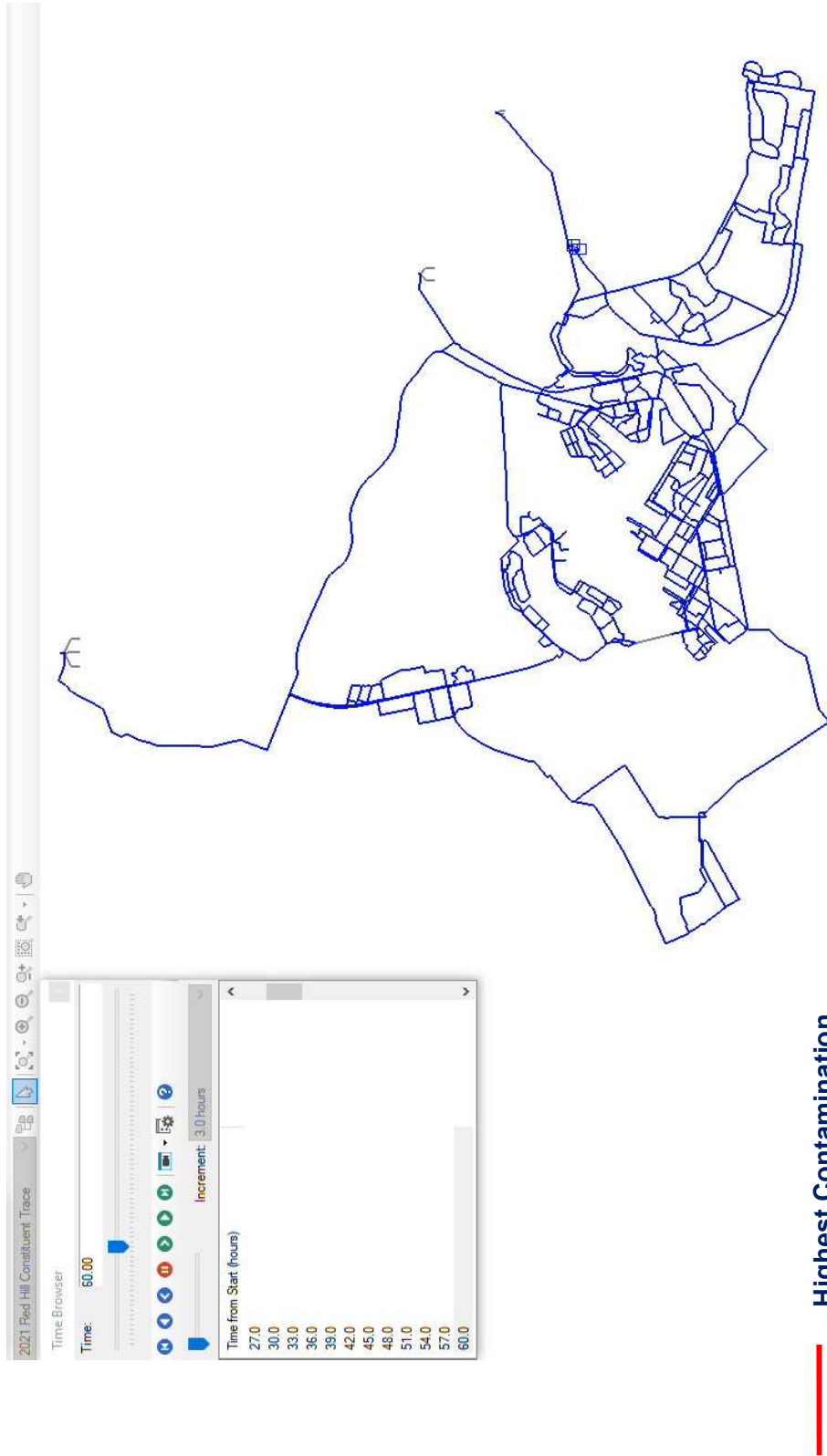
Interagency Drinking Water Supply Team

18 January 2022

CONTROLLED UNCLASSIFIED INFORMATION//CUI

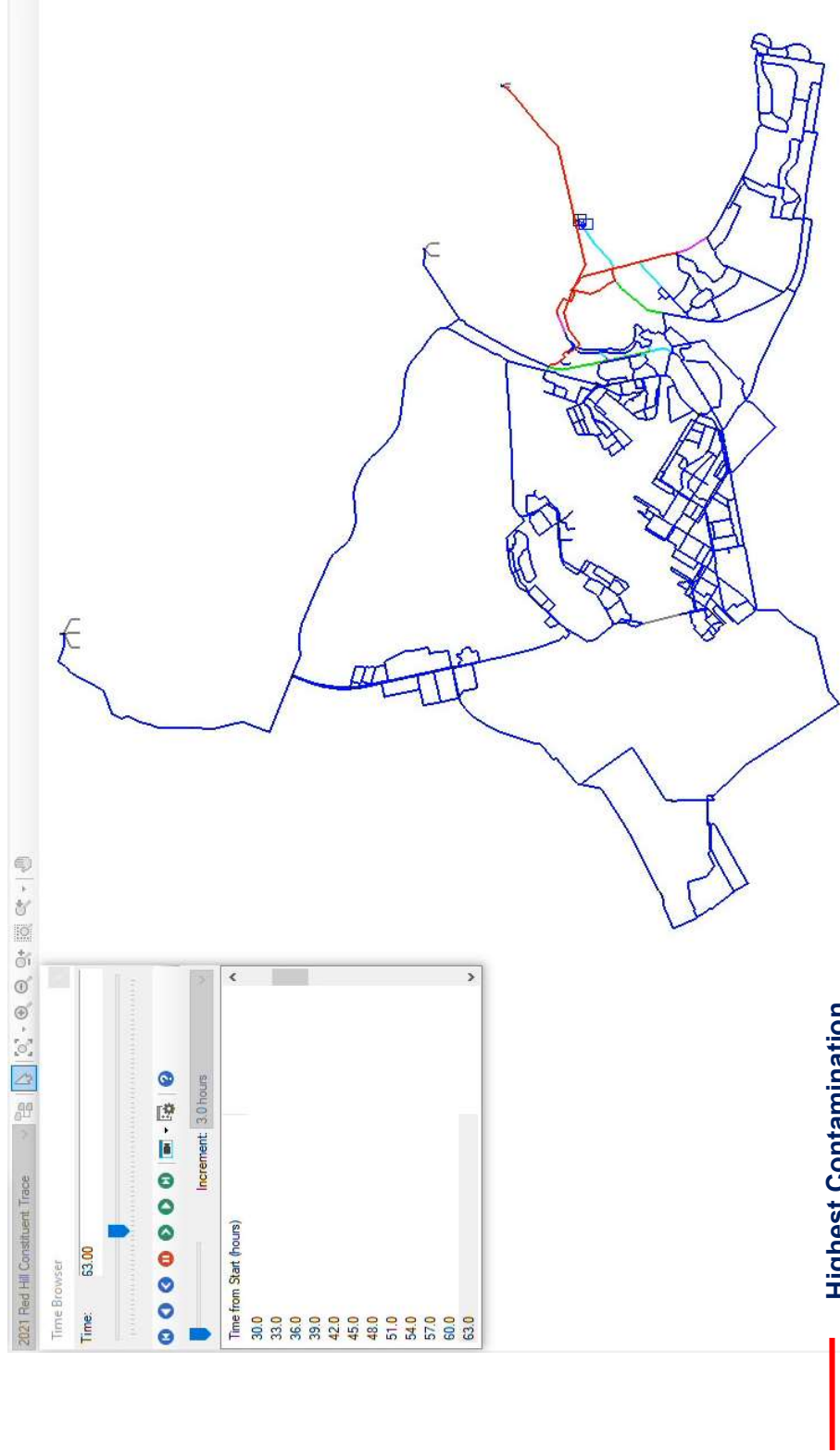


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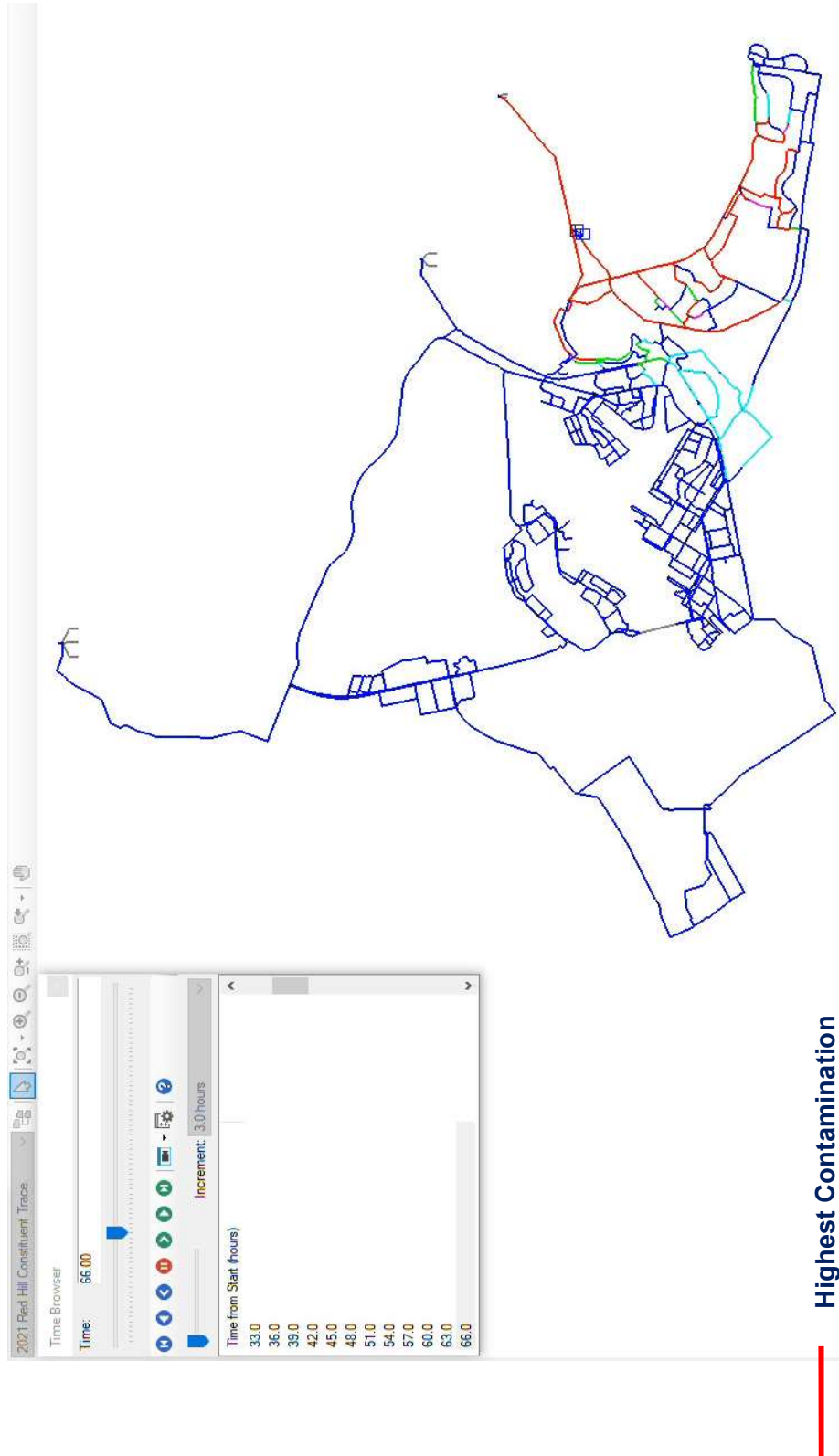


JBP HH Hydraulic Model



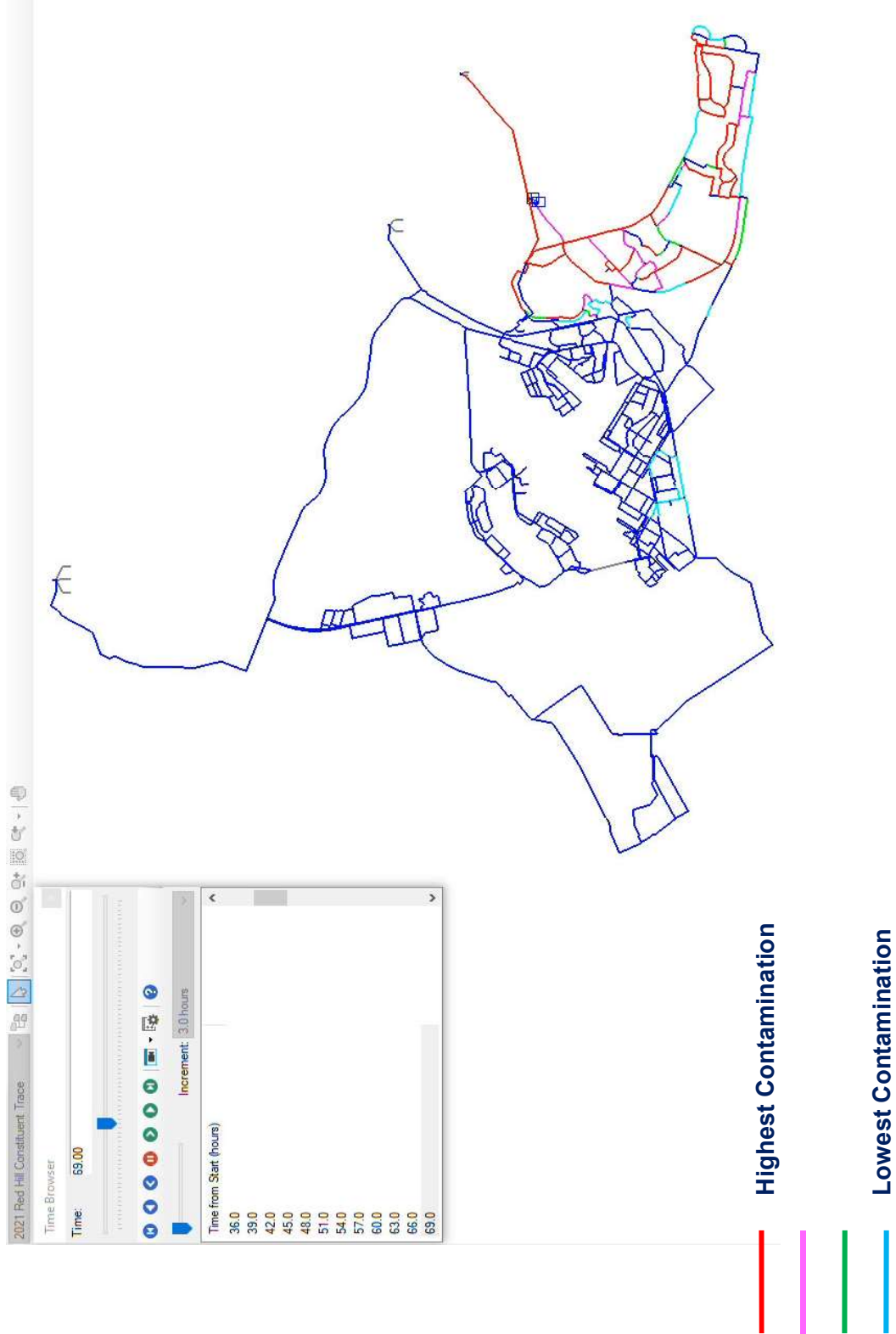


JBP HH Hydraulic Model

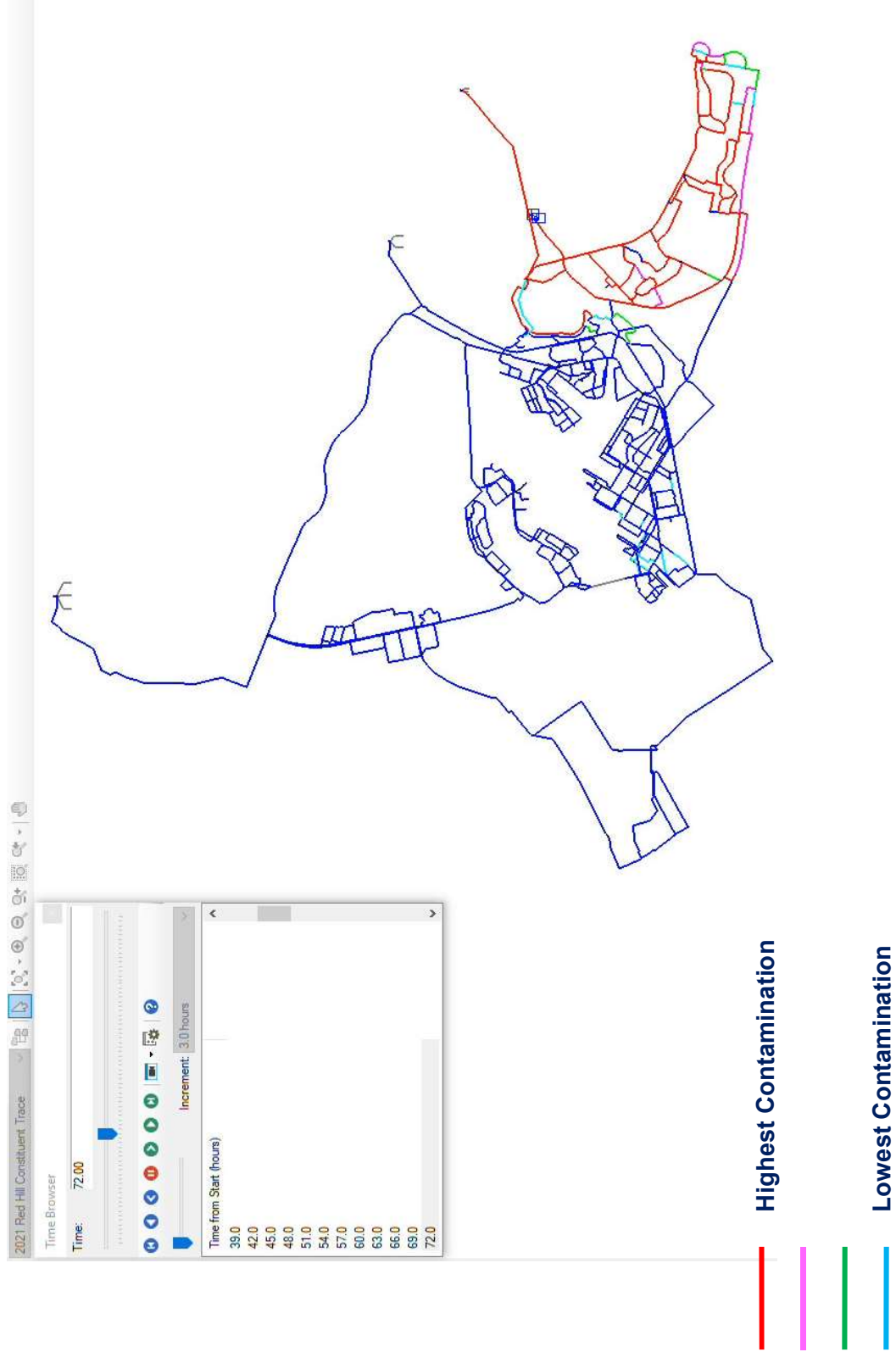




JBP HH Hydraulic Model

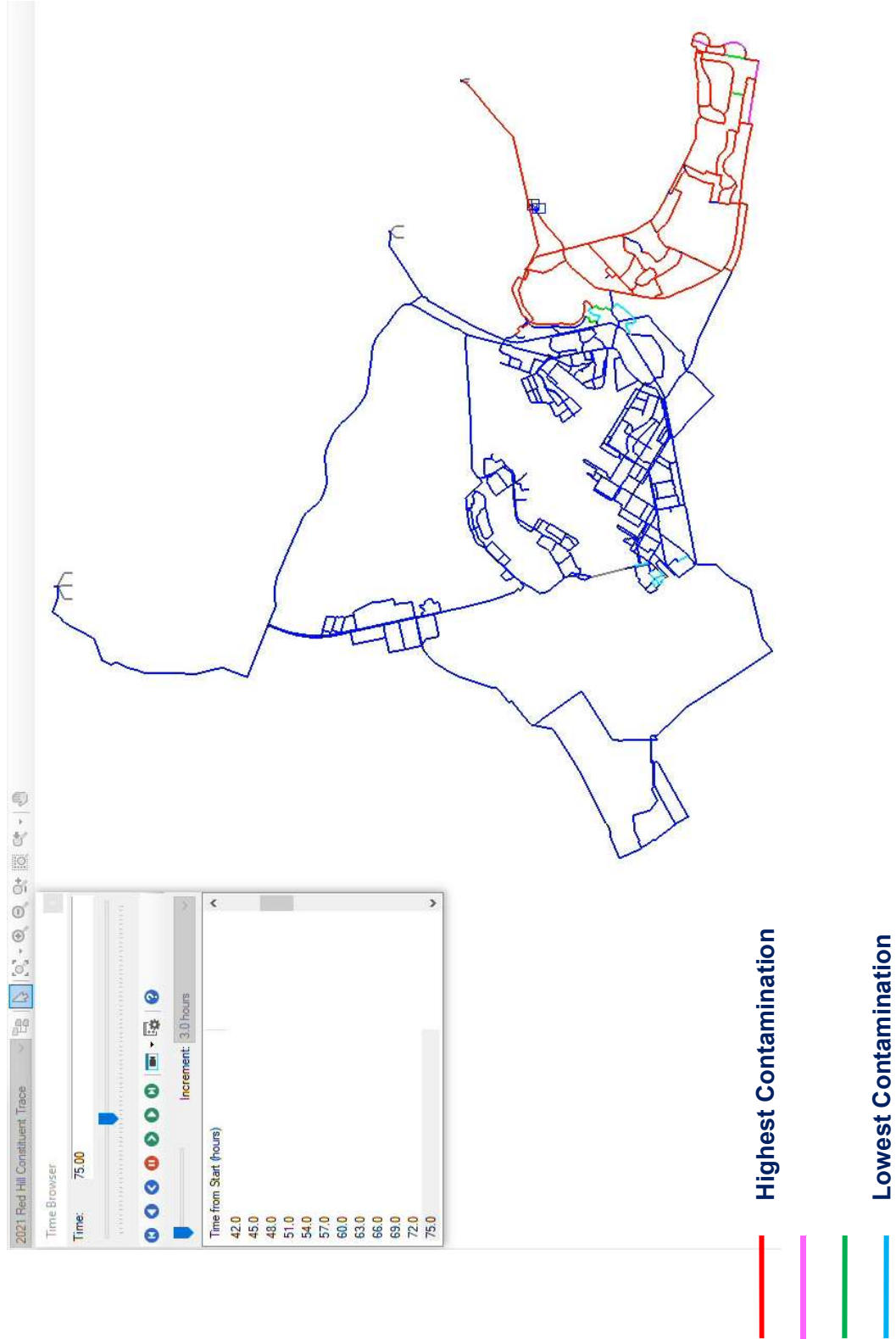


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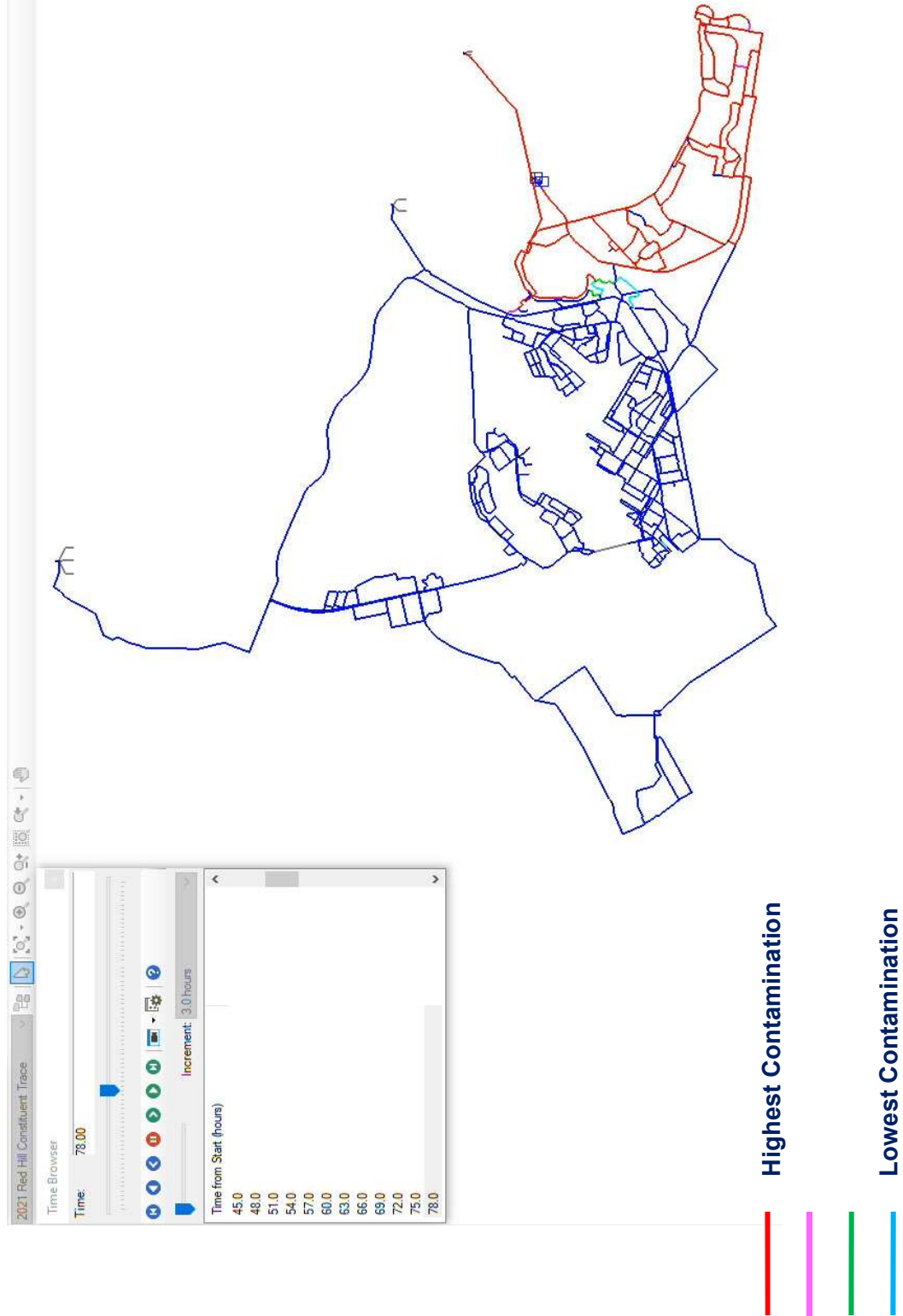


JBP HH Hydraulic Model



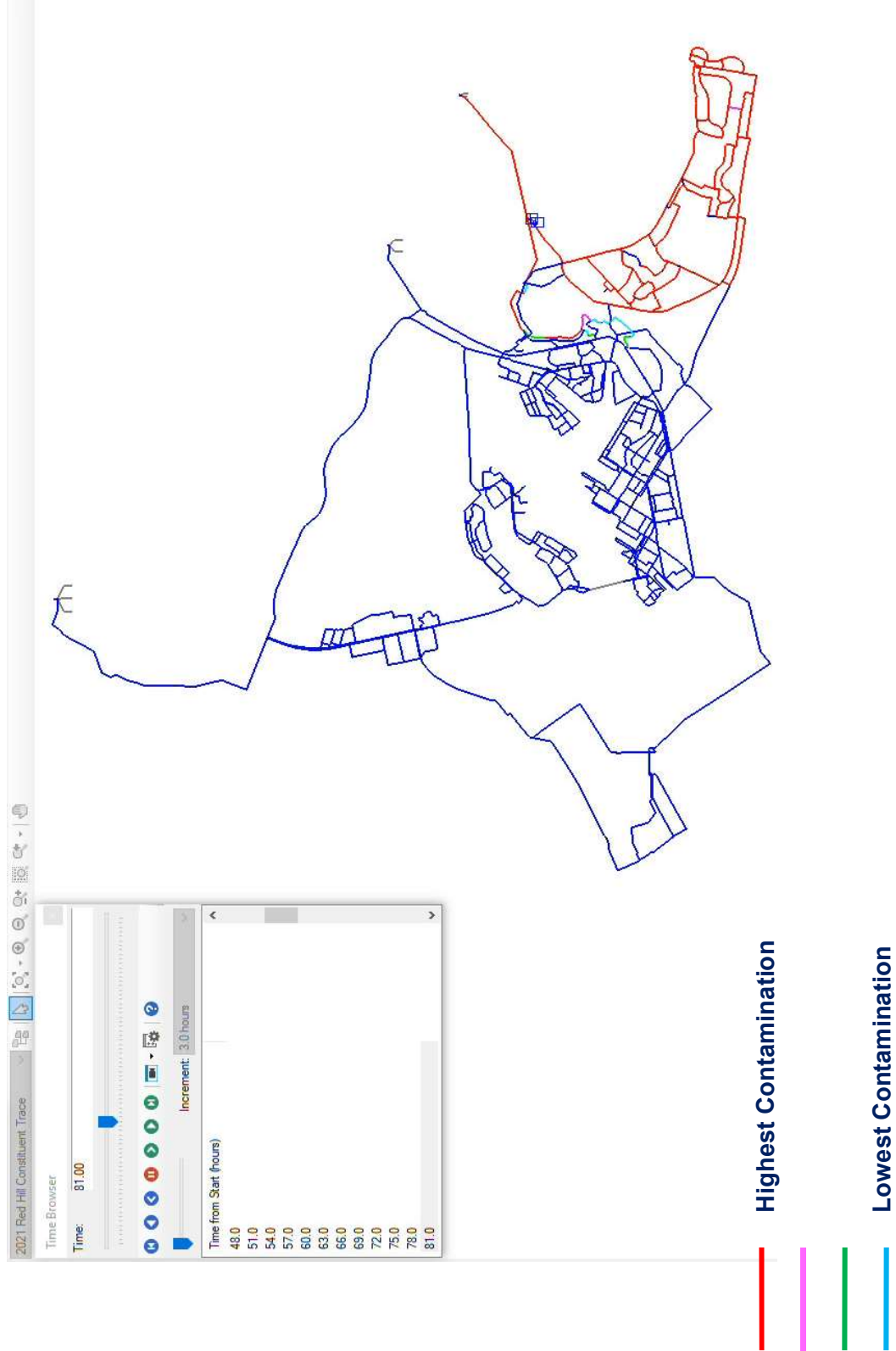


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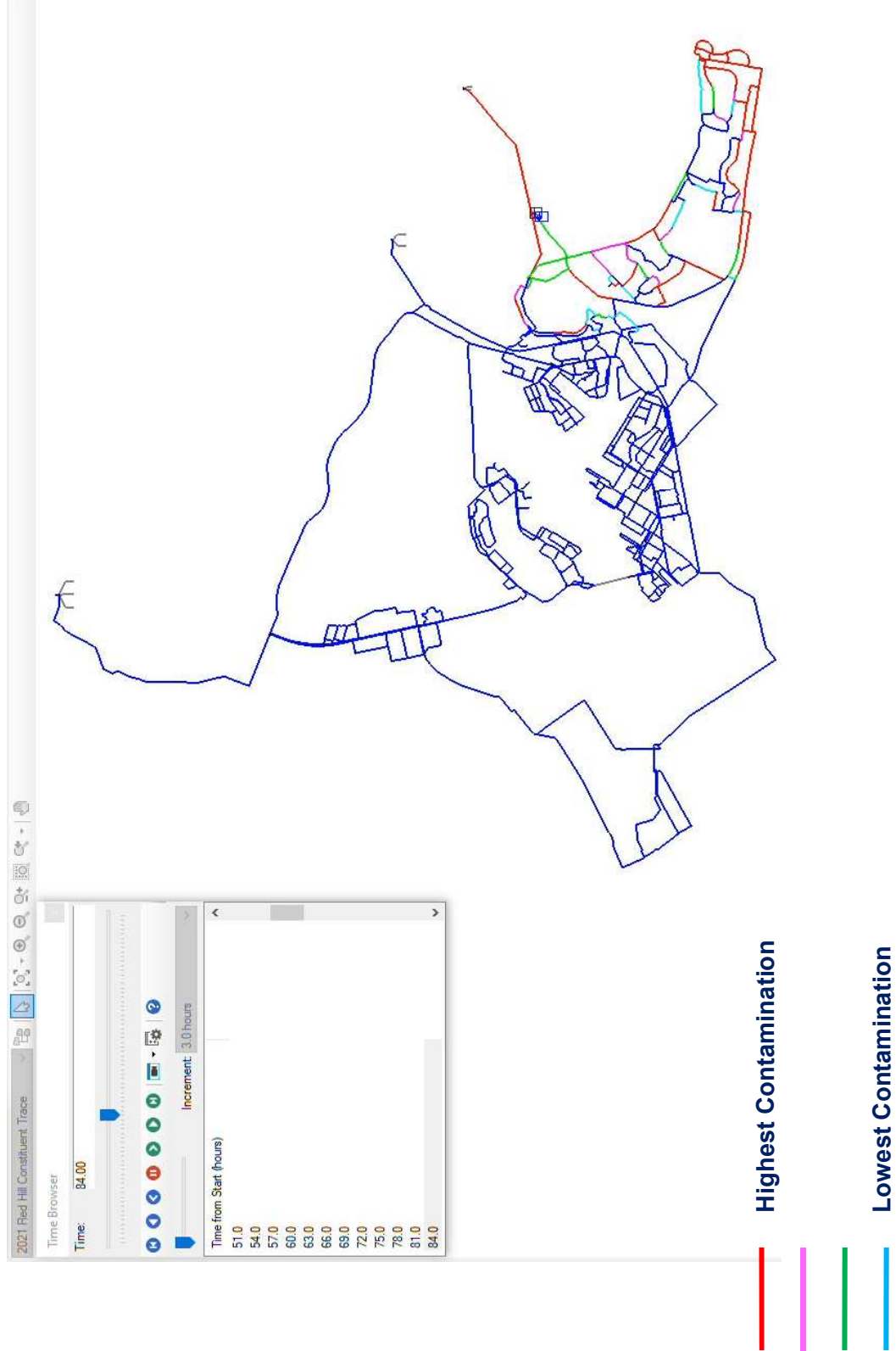


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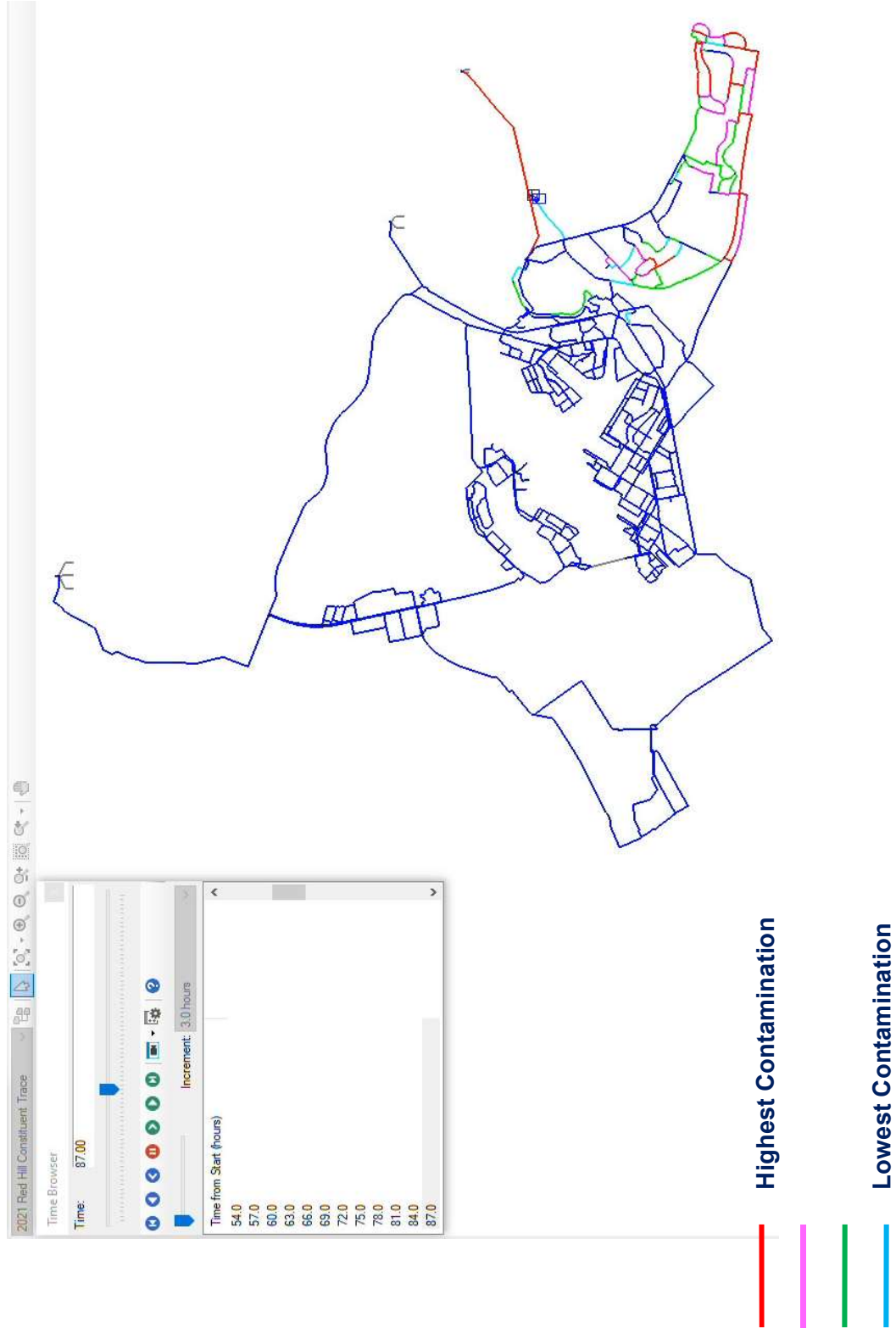


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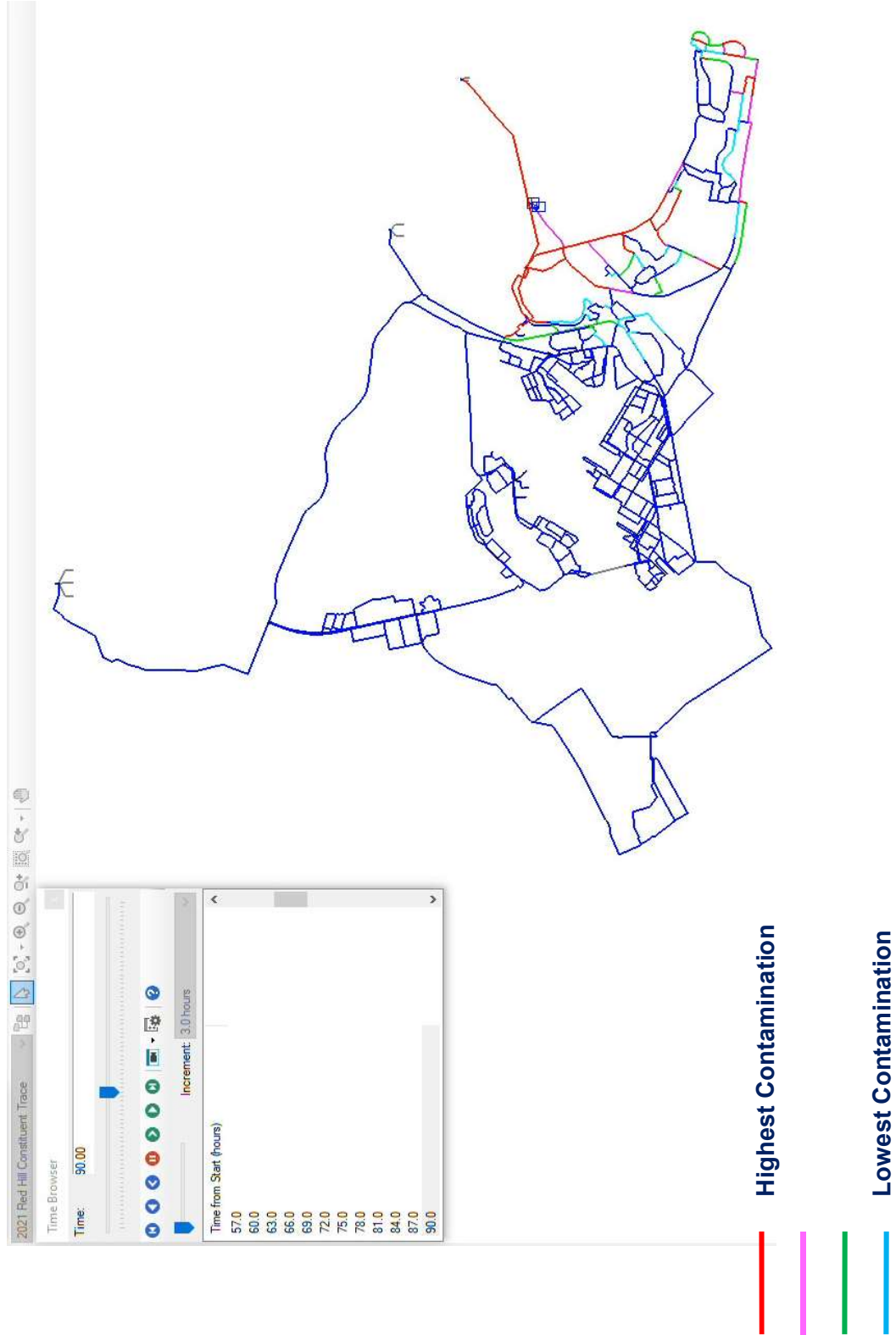


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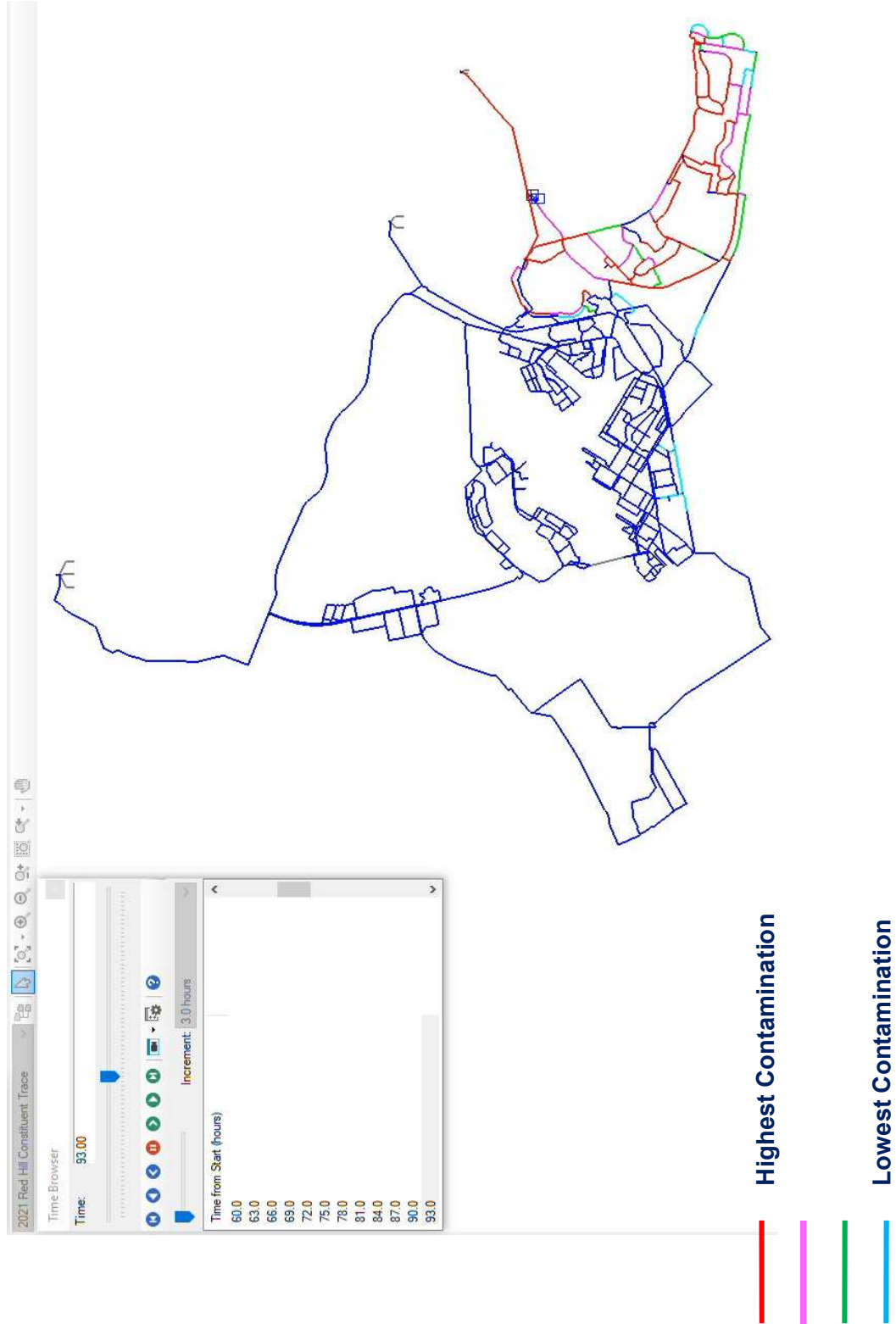


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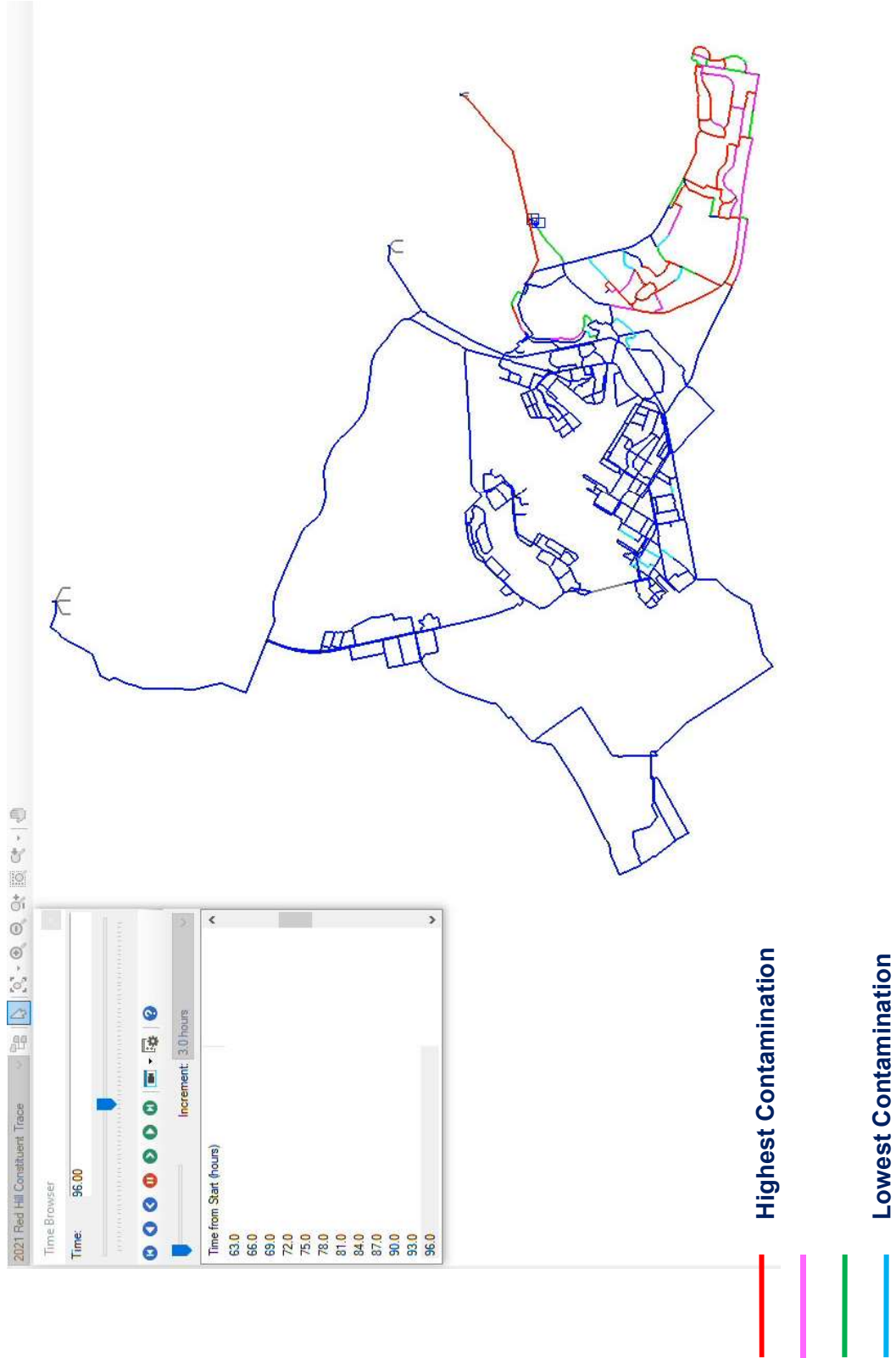


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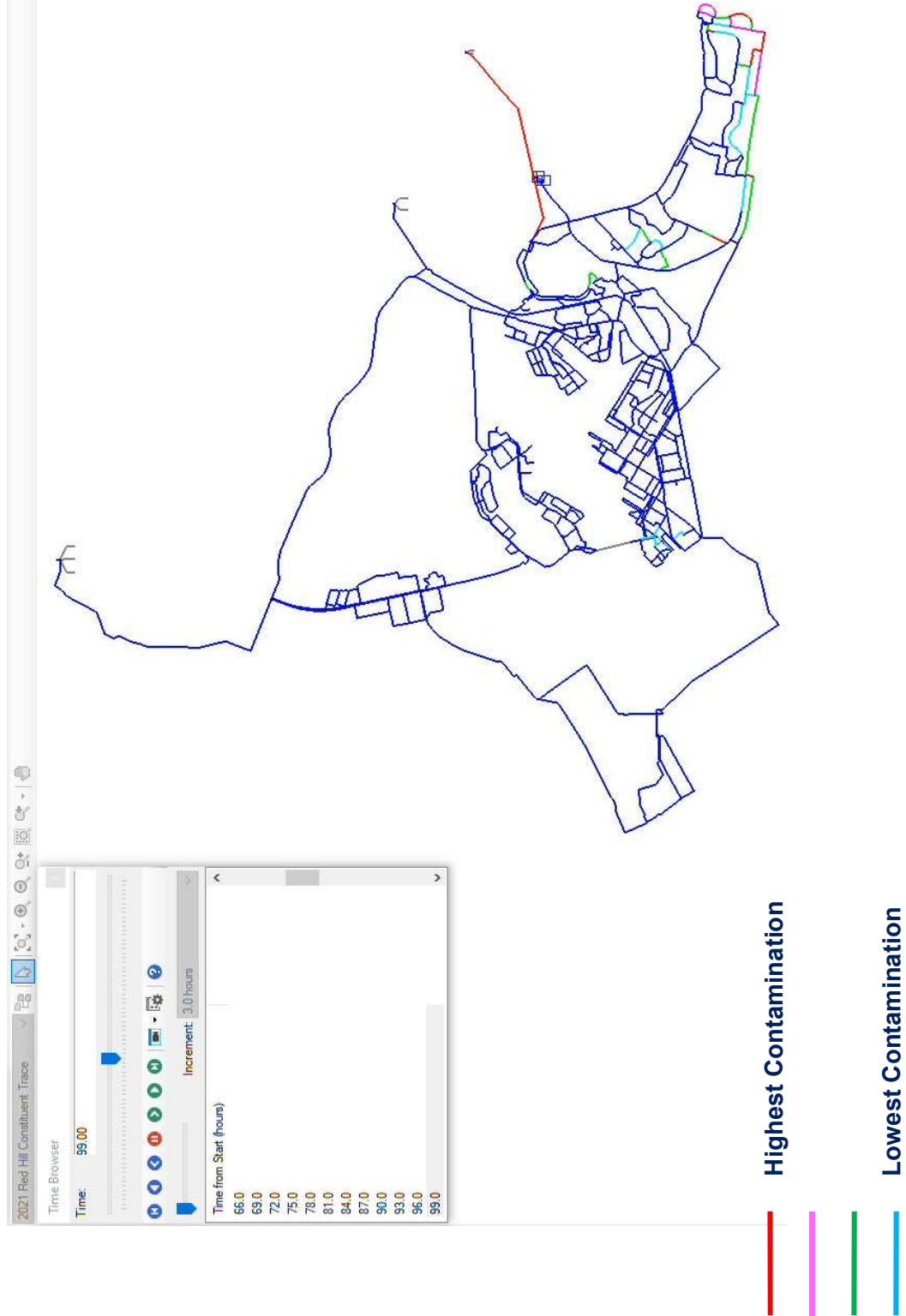


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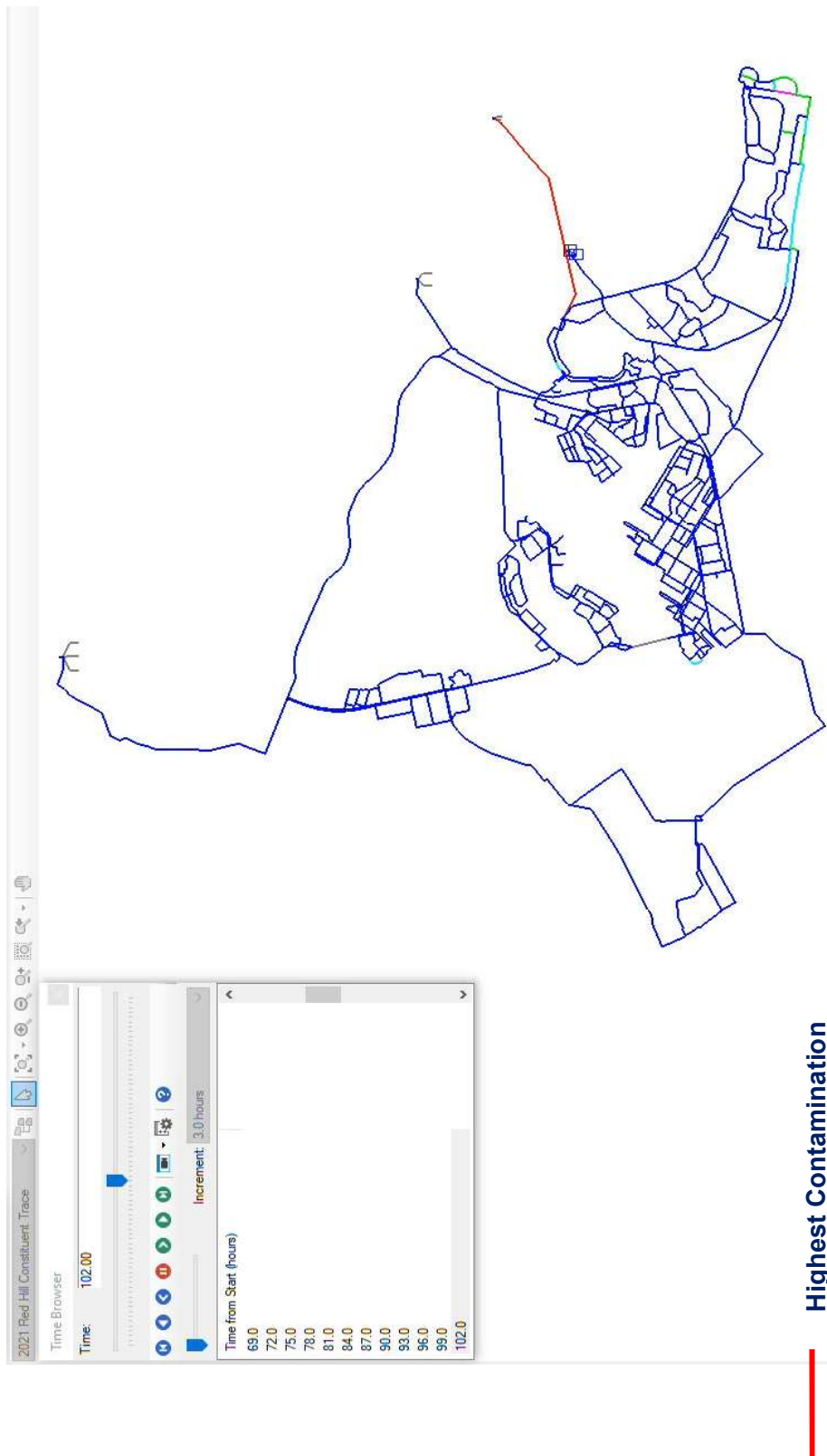


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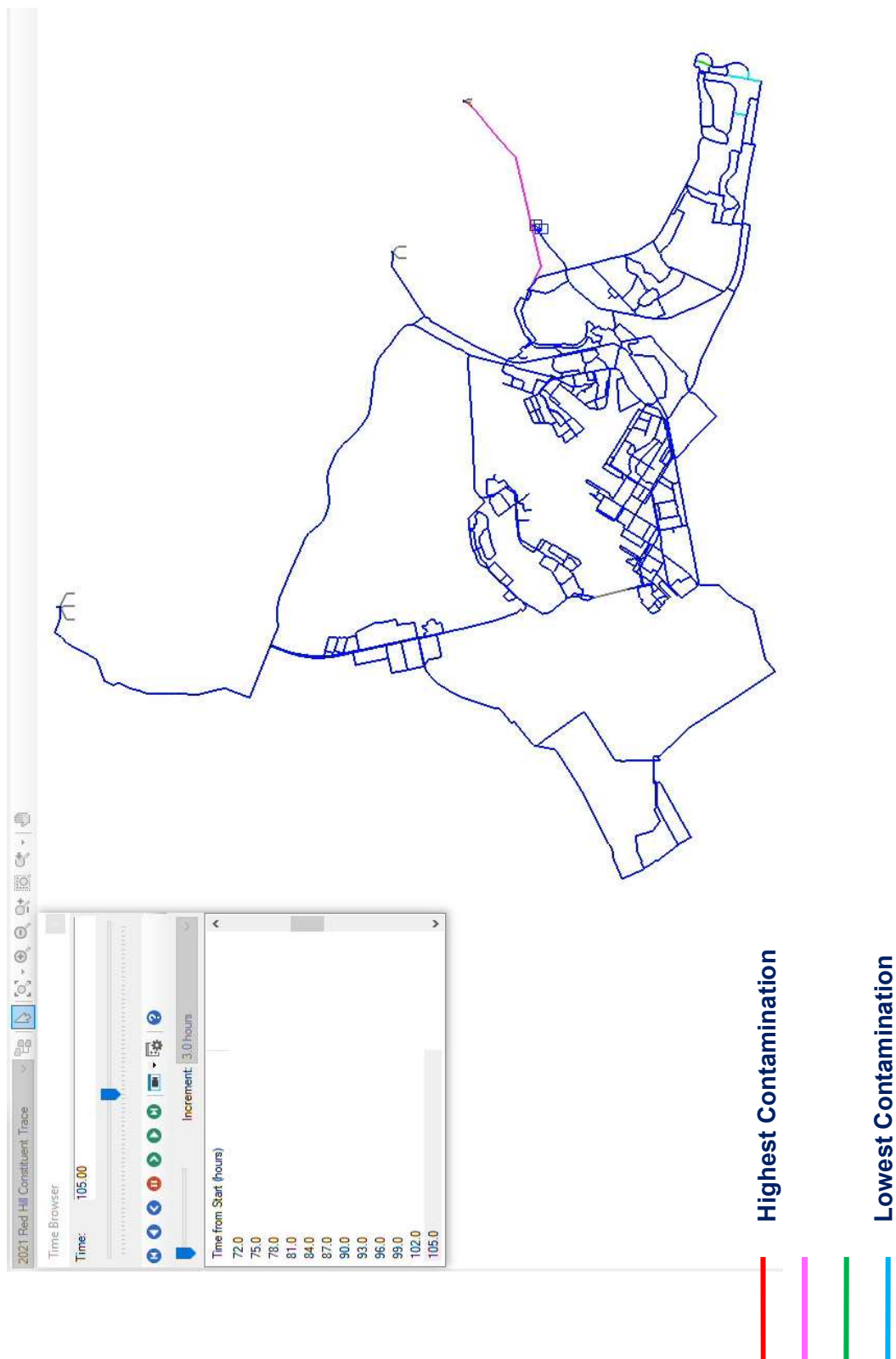


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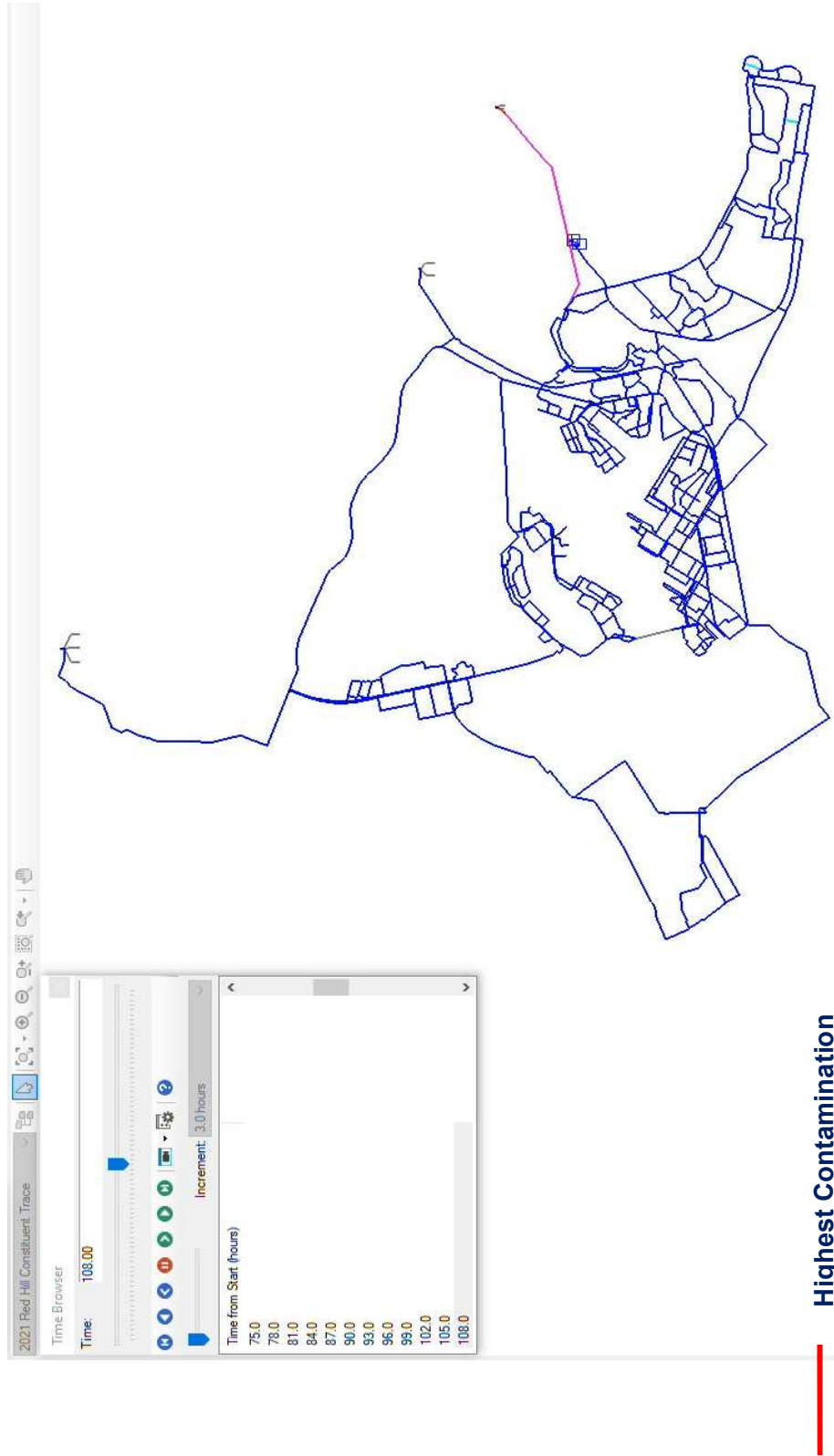




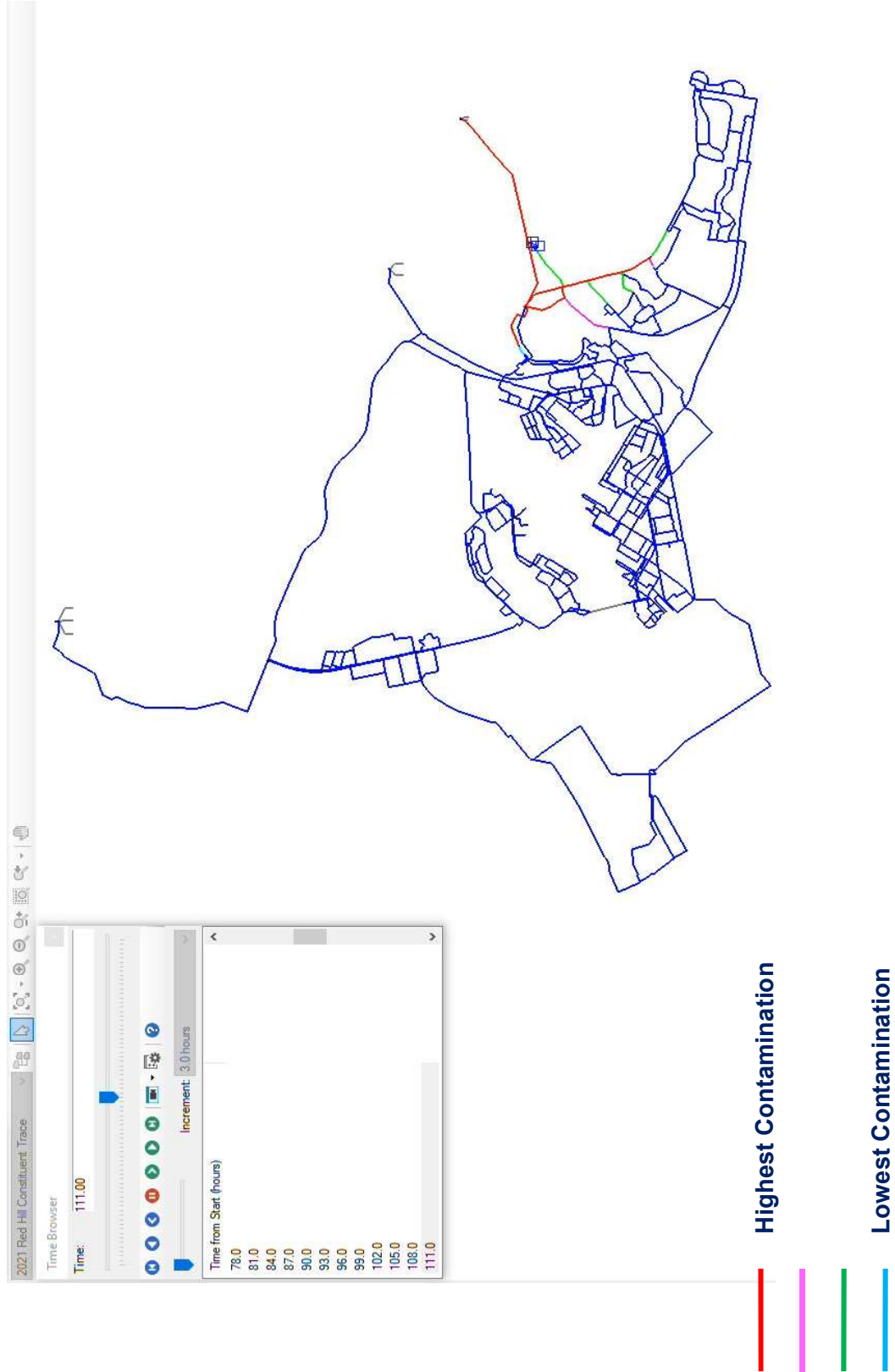
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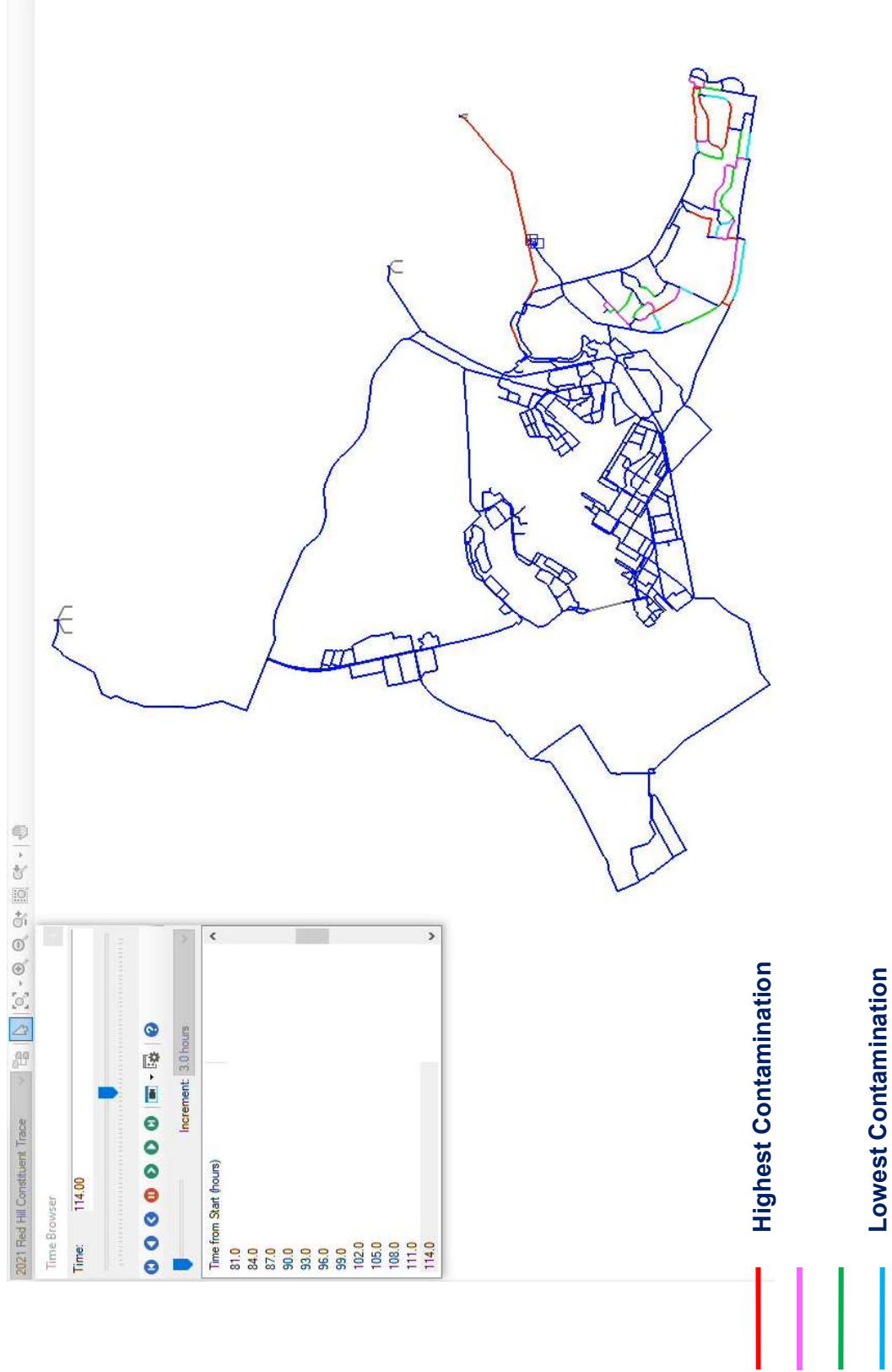
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JBP HH Hydraulic Model

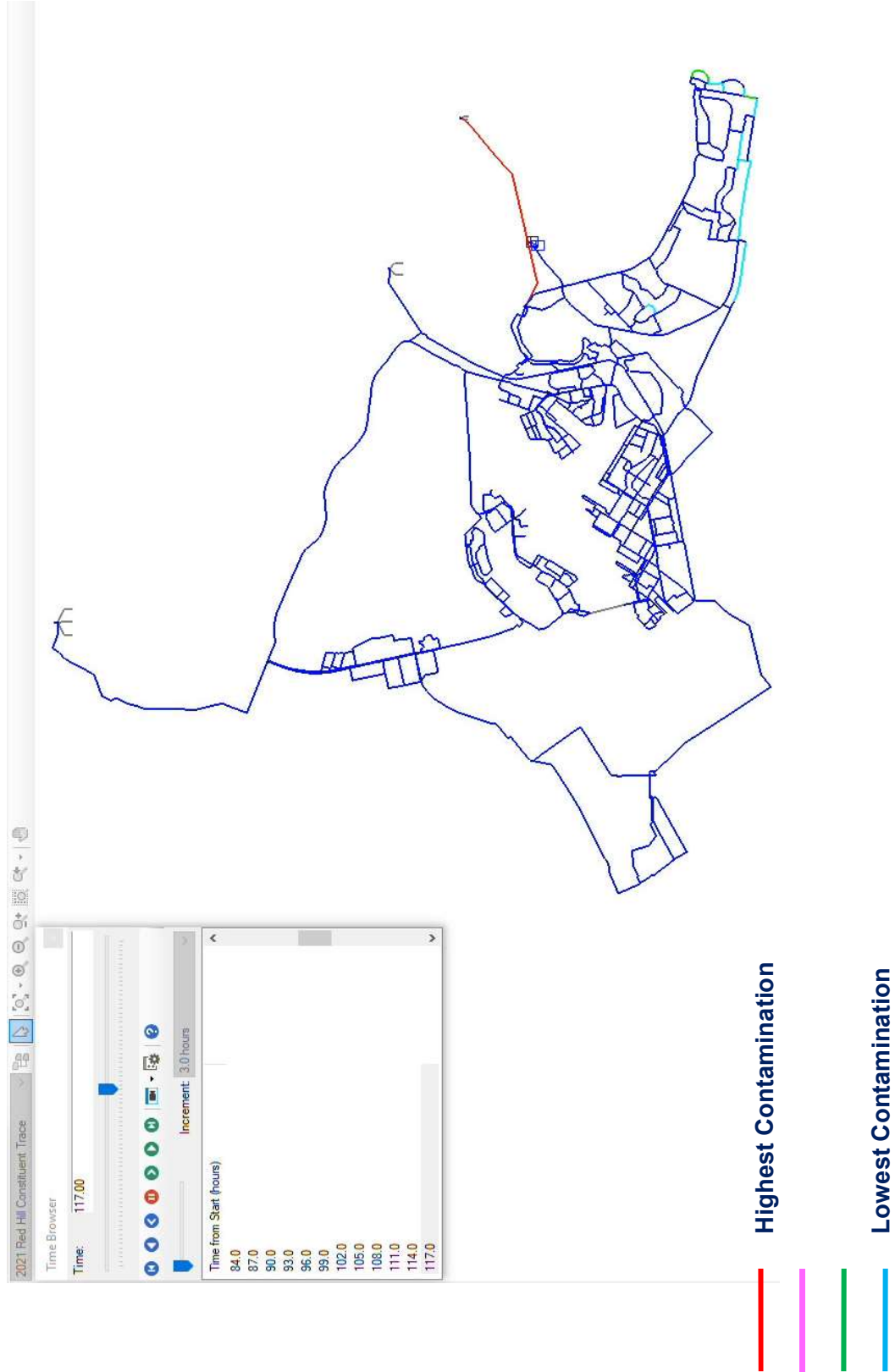


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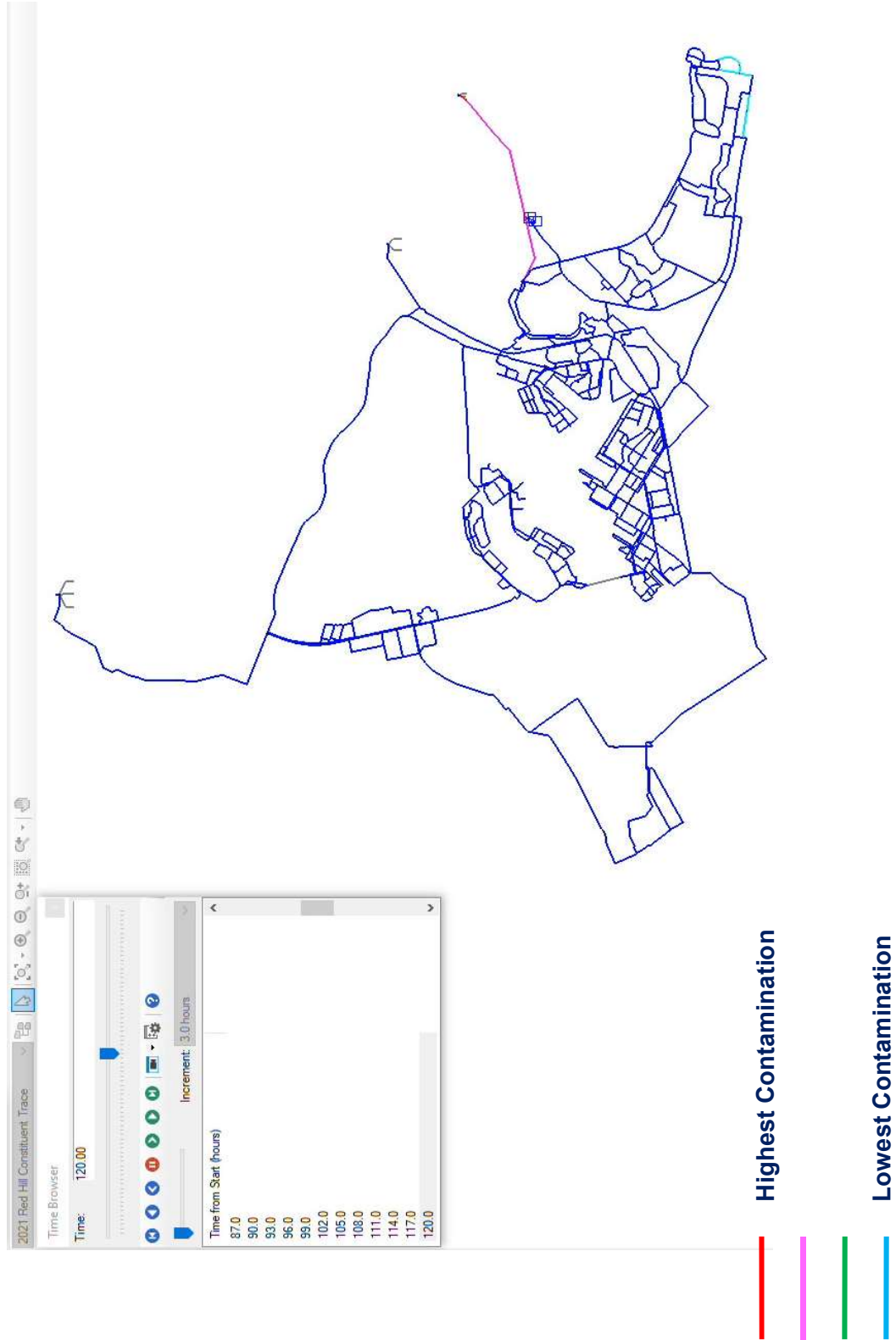


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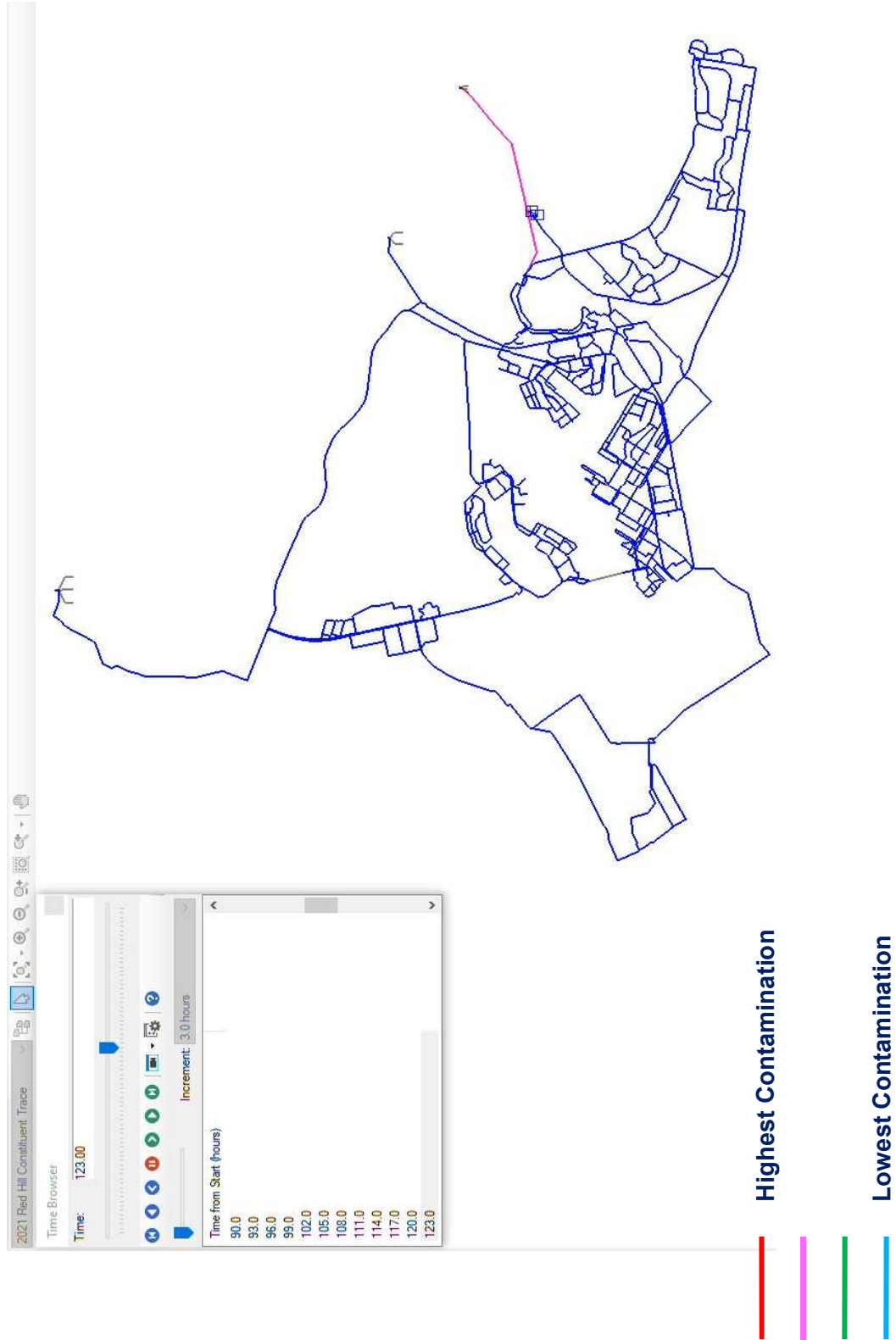


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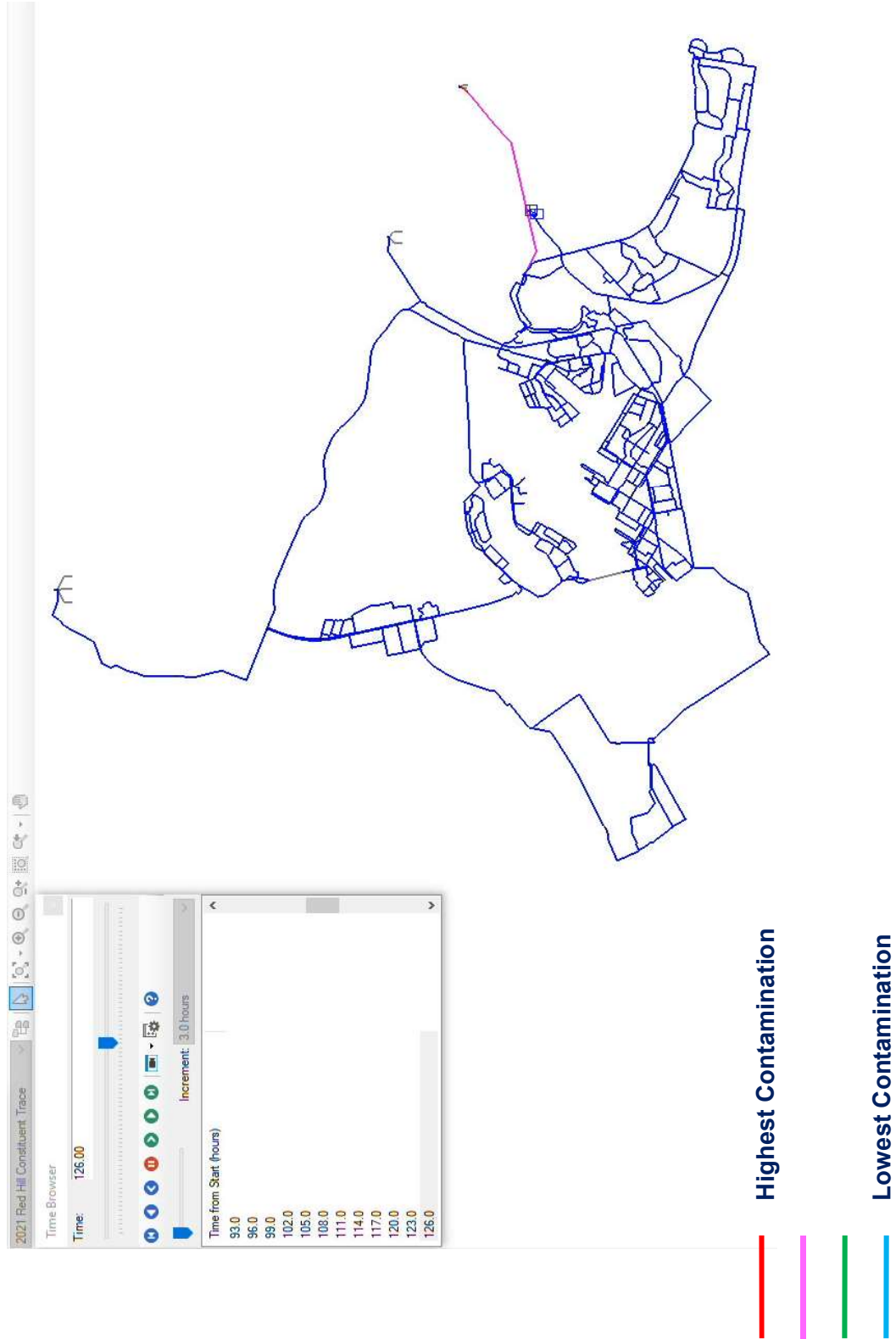




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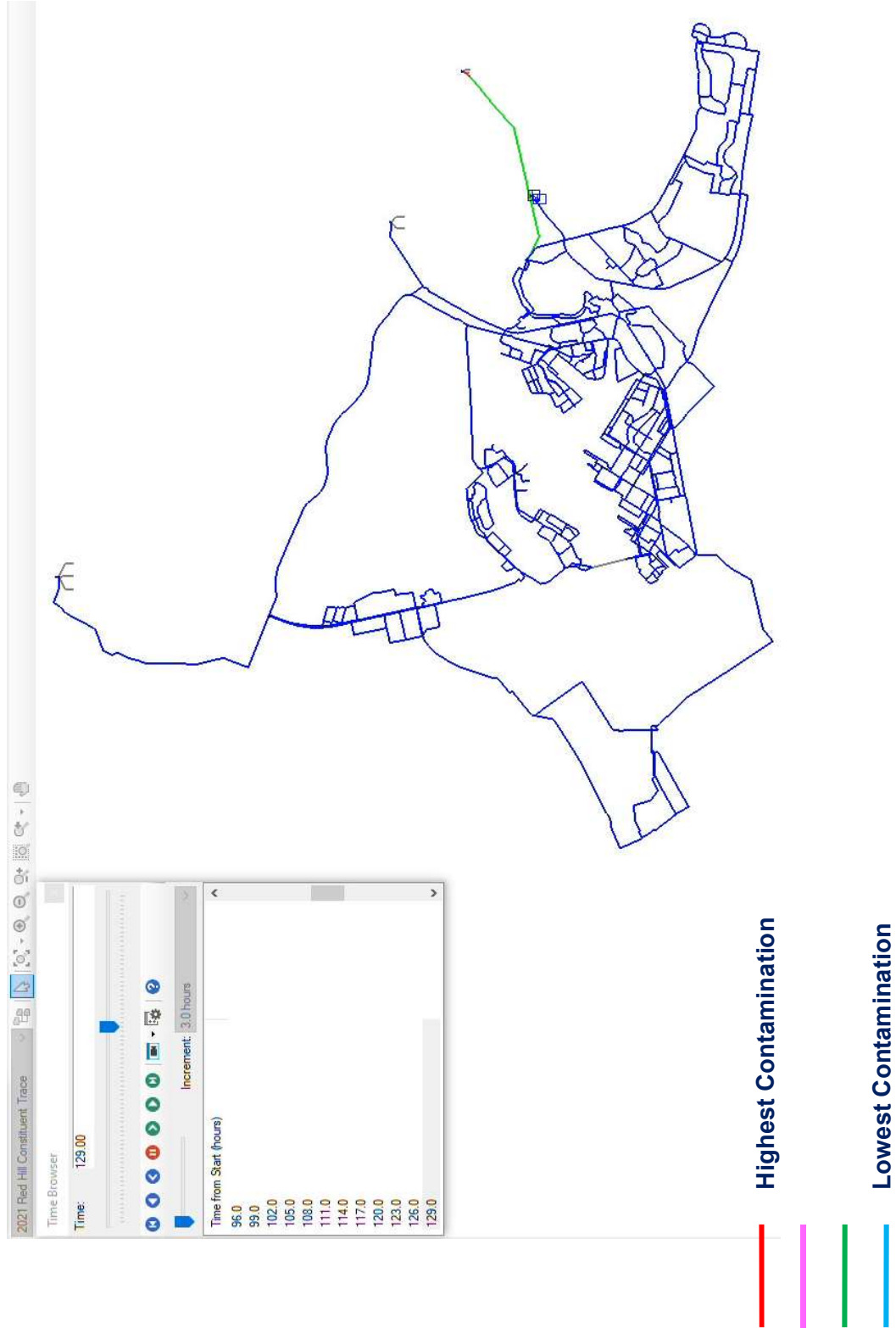


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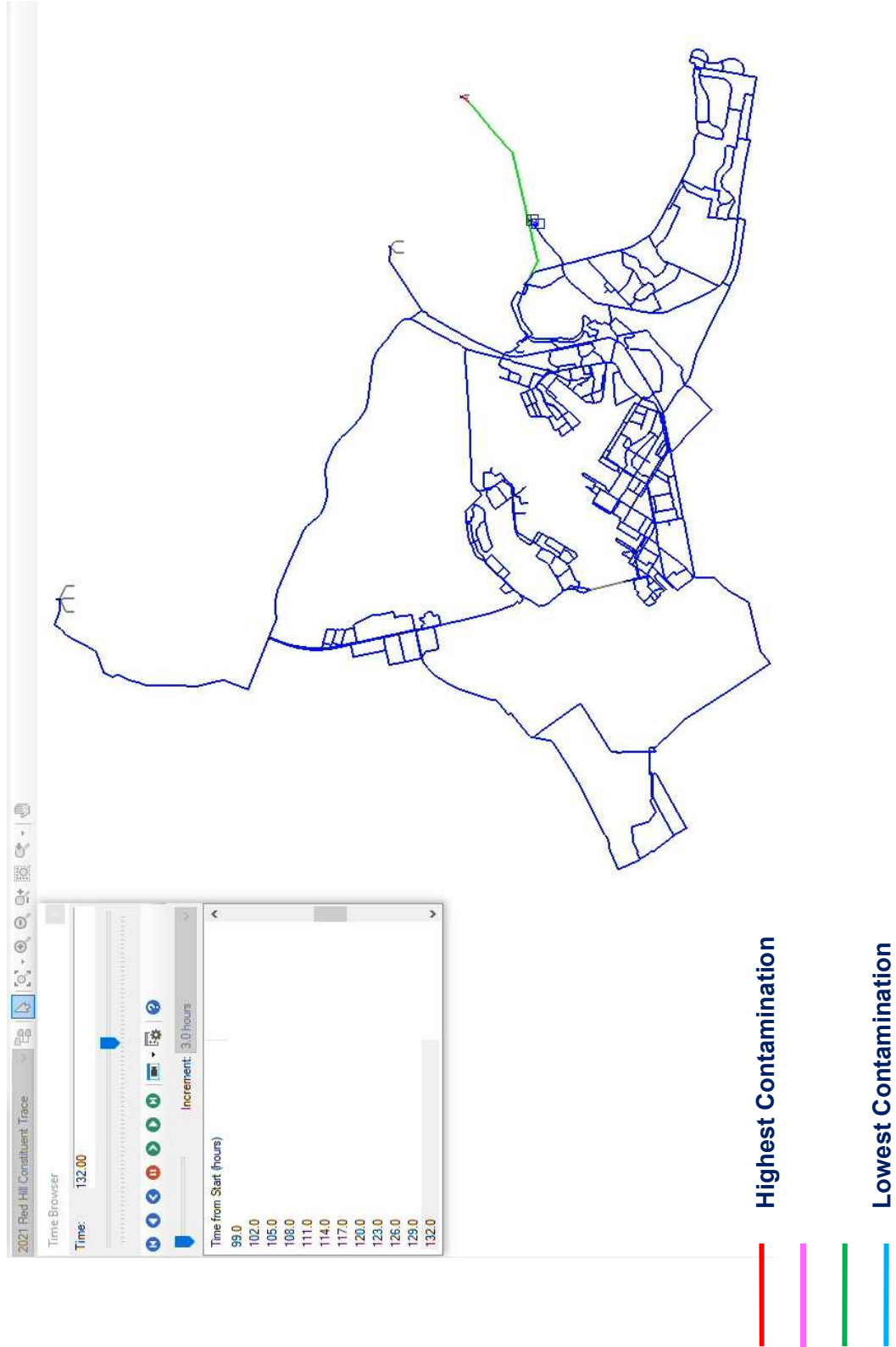


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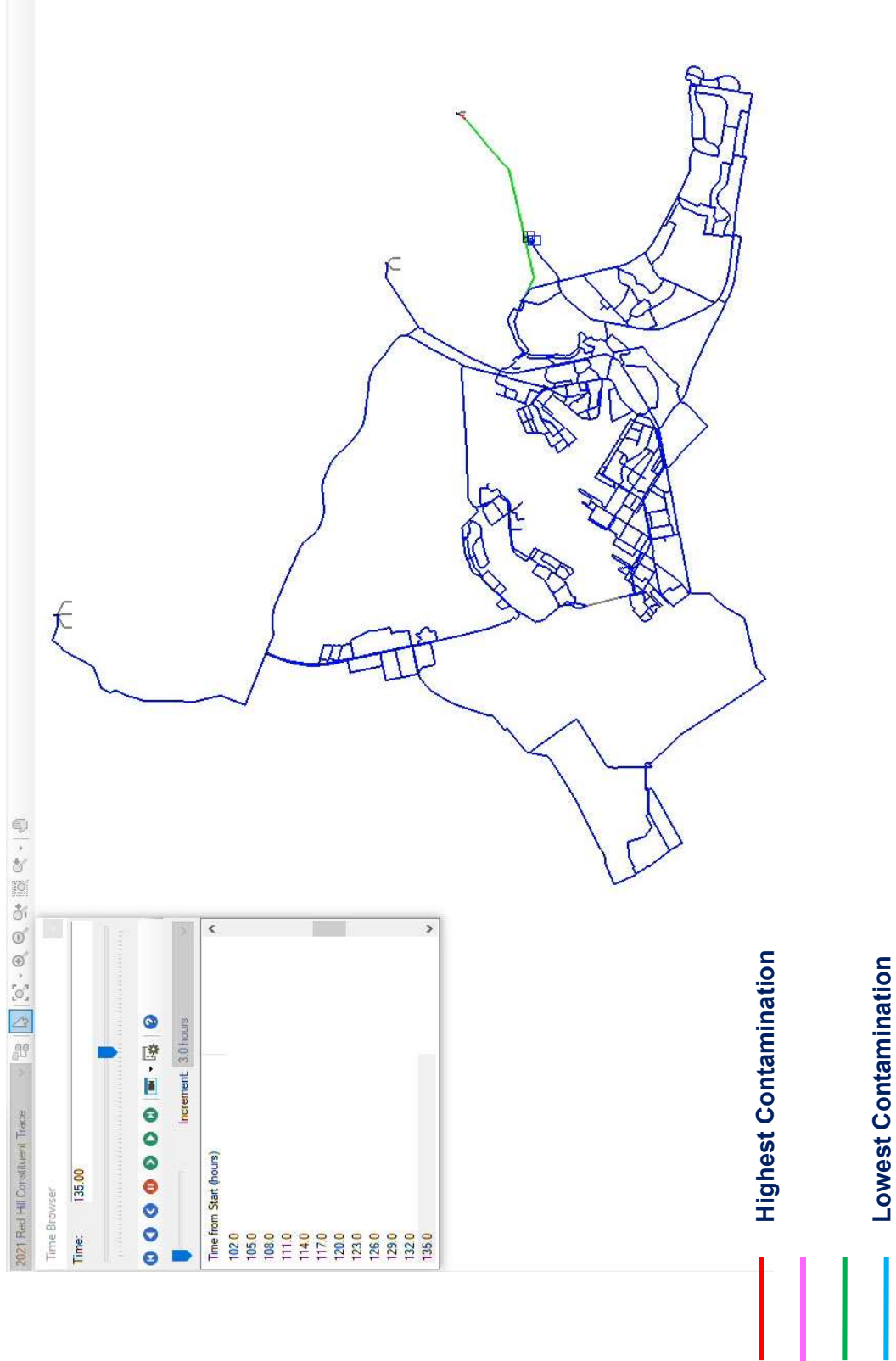


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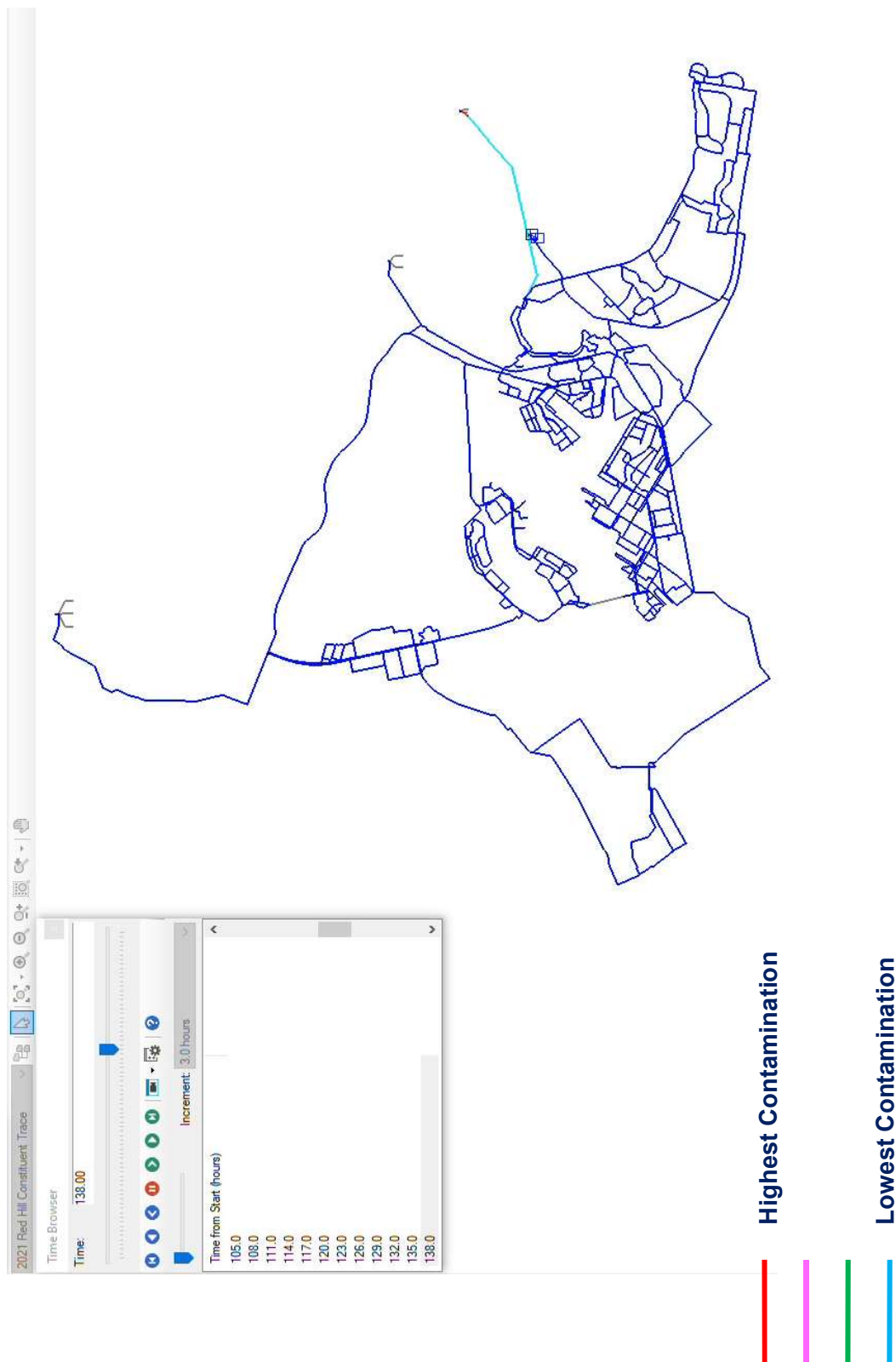


JBP HH Hydraulic Model





JBP HH Hydraulic Model



1 March 2022

MEMORANDUM

From: Naval Facilities Engineering Systems Command Representative, EWG Team
To: Interagency Drinking Water System Team

Subj: RECORDS OF COMPLETED DISTRIBUTION SYSTEM FLUSHING ZONE F2

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Distribution System Flushing Records Zone F2

1. The completed records as shown in Enclosure (1), document the flushing of 14 hydrants in Zone F2 in accordance with Reference (a).
2. Field logs documenting the completion of the distribution flushing are summarized below demonstrate fulfillment of the criterion established in Reference (a):

Hydrant Location ID	Discharge Location Type	Flushed Volume (gallons)
1N	Storm Drain	170,400
1S	Storm Drain	214,000
5	Storm Drain	192,200
7	Sanitary Sewer (CCH)	177,625
13	Storm Drain	226,000
17	Storm Drain	273,400
19	Storm Drain	269,000
25	Sanitary Sewer (CCH)	178,625
33	Storm Drain	226,000
34	Storm Drain	196,400
40	Storm Drain	245,800
48	Storm Drain	234,400
50	Storm Drain	212,000
51	Land Application	100,200

Total: 2,916,050 gallons

3. Zone F2 was required to flush 1,450,000 gallons per Reference (a), para 2.5.1.8, which was exceeded.

Very respectfully,



DALY.JOHN.FRANCIS.III
.1365462468
2022.03.01 10:35:40
-10'00'

J. F. DALY III
LCDR, CEC, USN

TABLE OF CONTENTS

Section A - Utilitiesmen Flushing Log Roll-up

Section A contains a summary of the information from the Utilitiesmen log books and a calculation of the volume of water flushed based on actual times.

Section B - Utilitiesmen Log During Volumetric Exchange

Section B contains the scanned Navy log books that recorded location and time of flushing during distribution system flushing.

Section C – Officer in Charge of Flushing Daily Report

Section C contains the Officer in Charge of Flushing's daily report to his chain of command summarizing information received from the field.

1 N	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
2-Jan	20:00	8:00	20:18		0:49 20220102 2000-0800	N/A
3-Jan	8:00	20:00	10:30		2:30 20220103 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 14:12 VOLUME 170400 Gallons </div>						

1 S	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
2-Jan	8:00	20:00	17:10		2:50 20220102 0800-2000	Y
2-Jan	20:00	8:00			12:00 20220102 2000-0800	N/A
3-Jan	8:00	20:00	11:00		3:00 20220103 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 17:50 VOLUME 214000 Gallons </div>						

5	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
5-Jan	8:00	20:00	16:53		3:07 20220105 0800-2000	Y
5-Jan	20:00	8:00			12:00 20220105 2000-0800	N/A
6-Jan	8:00	20:00	8:54		0:54 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 200 TIME 16:01 VOLUME 192200 Gallons </div>						

7	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
5-Jan	8:00	20:00	13:34	17:15	3:41 20220105 0800-2000	Y
5-Jan	8:00	20:00	19:21		0:39 20220105 0800-2000	Y
5-Jan	20:00	8:00			12:00 20220105 2000-0800	N/A
6-Jan	8:00	20:00	16:00		8:00 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 100 TIME 23:41 VOLUME 177625 Gallons </div>						

13	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
4-Jan	8:00	20:00	16:13		3:47 20220104 0800-2000	N/A
4-Jan	20:00	8:00			12:00 20220104 2000-0800	N/A
5-Jan	8:00	20:00	11:03		3:03 20220105 0800-2000	Y
<div> TOTAL RUN @ FLOW of 200 TIME 18:50 VOLUME 226000 Gallons </div>						

17	Shift		Flush Time		Documentation	
	Begin	End	Start	Stop	RunTime	UT Log
5-Jan	8:00	20:00	9:53		10:07 20220105 0800-2000	Y
5-Jan	20:00	8:00			12:00 20220105 2000-0800	N/A
6-Jan	8:00	20:00	8:40		0:40 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 200 TIME 22:47 VOLUME 273400 Gallons </div>						

19	Shift		Flush Time		Documentation	
	Date	Begin End	Start	Stop	RunTime	Email Summary UT Log
	5-Jan	8:00 20:00	10:35		9:25 20220105 0800-2000	Y
	5-Jan	20:00 8:00			12:00 20220105 2000-0800	N/A
	6-Jan	8:00 20:00		9:00	1:00 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 200 TIME 22:25 VOLUME 269000 Gallons </div>						

34	Shift		Flush Time		Documentation	
	Date	Begin End	Start	Stop	RunTime	Email Summary UT Log
	2-Jan	8:00 20:00		16:55	3:05 20220102 0800-2000	Y
	2-Jan	20:00 8:00			12:00 20220102 2000-0800	N/A
	3-Jan	8:00 20:00		9:17	1:17 20220103 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 16:22 VOLUME 196400 Gallons </div>						

25	Shift		Flush Time		Documentation	
	Date	Begin End	Start	Stop	RunTime	Email Summary UT Log
	5-Jan	8:00 20:00	14:25	17:22	2:57 20220105 0800-2000	Y
	5-Jan	8:00 20:00	19:38		0:22 20220105 0800-2000	Y
	5-Jan	20:00 8:00			12:00 20220105 2000-0800	N/A
	6-Jan	8:00 20:00		16:30	8:30 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 100 TIME 23:49 VOLUME 178625 Gallons </div>						

40	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
2-Jan	8:00	20:00		9:17	12:46	3:29 20220102 0800-2000	Y
2-Jan	8:00	20:00		17:30		2:30 20220102 0800-2000	Y
2-Jan	20:00	8:00				12:00 20220102 2000-0800	N/A
3-Jan	8:00	20:00		10:30		2:30 20220103 0800-2000	N/A
TOTAL RUN @ FLOW of 200							
TIME 20:29							
VOLUME 245800 Gallons							

33	Shift		Flush Time		Documentation	
	Date	Begin End	Start	Stop	RunTime	Email Summary UT Log
	5-Jan	8:00 20:00	14:42		5:18 20220105 0800-2000	Y
	5-Jan	20:00 8:00			12:00 20220105 2000-0800	N/A
	6-Jan	8:00 20:00		9:32	1:32 20220106 0800-2000	Y
<div> TOTAL RUN @ FLOW of 200 TIME 18:50 VOLUME 226000 Gallons </div>						

48	Shift		Flush Time		Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
4-Jan	8:00	20:00		15:13		4:47 20220104 0800-2000	N/A
4-Jan	20:00	8:00			12:00 20220104 2000-0800		N/A
5-Jan	8:00	20:00		10:45	2:45 20220105 0800-2000		N/A
<div><div>TOTAL RUN @ FLOW of 200</div><div><div>TIME</div><div>19:32</div></div><div><div>VOLUME</div><div>234400 Gallons</div></div></div>							

50		Shift		Flush Time		Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
4-Jan	8:00	20:00	19:20		0:40	20220104 0800-2000	N/A
4-Jan	20:00	8:00			12:00	20220104 2000-0800	N/A
5-Jan	8:00	20:00		13:00	5:00	20220105 0800-2000	N/A
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME 17:40</div><div>VOLUME 212000 Gallons</div></div>							

51		Shift		Flush Time		Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
3-Jan	20:00	8:00	0:18		7:42	20220103 2000-0800	N/A
4-Jan	8:00	20:00		8:39	0:39	20220104 0800-2000	N/A
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME 8:21</div><div>VOLUME 100200 Gallons</div></div>							

Hydrant	Volume
1 N	170,400
1 S	214,000
5	192,200
7	177,625
13	226,000
17	273,400
19	269,000
25	178,625
33	226,000
34	196,400
40	245,800
48	234,400
50	212,000
51	100,200
TOTAL	2,916,050

02 JAN 2022

2 JAN 22

08001	START OF NEW DAY.	1313	18(C.S.) OFF
0820	WATER LEVEL 29.9, NAUFAC (MATH)	1316	26(68) OFF
	NOTIFIED.	1415	DEVED 473/23 FOR TESTING
0827	WATER LEVEL 28.7.	1445	CLOSED 473/23
0830	SENT LOGBOOK ENTRIES TO EOC.	1500	UTI RAHNE RELIEVED AS DUTY UT. VT 2
0812	WATER LEVEL 28.1.		DOMANSKI ASSUMES DUTY UT.
0835	UT STIEFERMANN RELIEVED BY UT RUINE	1520	RESUME ALL OPERATIONS. PER LT CRUZ.
0845	CHECKED W WITH VES	1522	FH-405, FH-426, FH-1, OPERATIONAL.
0840	BEGAN ROE.	1554	FH-405 OPEN.
0827	FH 1 STARTED IN FZ	1600	FH-473 OPEN.
0859	FH 18 (FAMILY S.) ON	1600	WATER LEVEL 26.2.
0947041	FH 40 (FZ) ON	1650	FH-202 OPEN.
0947041	FH 42 (FZ) ON	1655	FH-34 OPEN.
1050	THROTTLED 40(FZ) FOR TESTING	1710	FH-1 OPEN AND SAMPLED. "SOUTH"
1055	RESUMED 10501 ON 40(FZ)	1730	FH-40 OPEN.
1105	THROTTLED 1 IN FZ FOR TESTING.	1746	FH-42 OPEN AND SAMPLED.
1110	RESUMED NORMAL PRESSURE OF FH 1 IN FZ	1750	FH-11A OPEN.
1237	202 OFC (D3)	1807	FH-21 OPEN.
1240	40-266 (FZ)	1807	GAC 18 FH-426, FLAT TRAILER TIRE. DEEMED
1249	34 OFC (FZ)		OPERATIONAL PER LT CRUZ.
1253	1-055 FZ	1806	FH-426 OPEN.
1300	11A OFC	1801	FH-36A OPEN.
1305	21 OFF	1818	FH-606 OPEN.
1309	42000	1818	FH-42 CLOSED UNTIL FURTHER NOTICE DUE
1315	19		TO HIGH PH LEVELS.
03109	36A	1831	FH-18204 F1 OPEN.
1320	606	1906	G1 FH-18 OPEN.
		1925	G1 FH-26 OPEN.

02 JAN 22

1945 191 SATURATED. UT CONTRACTOR WATCH SEVER
1945 WATER LEVEL 30'
2017 FH-1 NORTH OPEN.
2040 WATER LEVEL 28'.
2227 UT DOMANSKI RELIEVED BY UT STIEFERMANN
2350 HYDRANT 405 CLOSED DUE TO FLOODING.
2359 END OF DAY.

03 JAN 2022

0001 START OF NEW DAY.
0135 HYDRANT 405 OPENED. VCC/EOC NOTIFIED.
0213 VCC REPORTED BURST HOSE FH G1 B.
0233 HYDRANT FH G1 B CLOSED. DAMAGED
SECTION OF HOSE ROLLED AND PLACED
WITH GAC. VCC/EOC NOTIFIED.
0527 LOGBOOK ENTRIES SUBMITTED TO EOC.
0528 WATER LEVEL 31.7'
0645 UT STIEFERMANN RELIEVED BY UT RHINE
0700 CHECKED INS AT VCC.
0715 BEGAN RAIN
0909 405 SHUT DOWN
0942 426 SHUT DOWN
0957 34 SHUT DOWN
1016 1 NORTH SHUT DOWN
1029 1 SOUTH SHUT DOWN
1009 202 SHUT DOWN
1030 273 SHUT DOWN
1024 LE LE CRACK CHECKED TO CLOSE ALL HYDRANT
FOR FLOOD WARNING
1038 26(GS) CLOSED
1050 11 A CLOSED
1054 21 CLOSED
1059 36A CLOSED (WILL BE FOR G.H.R.T.)
1105 606 CLOSED
1120 18 CLOSED
1720 REQUIRED CALL TO OPEN HYDRANTS

NRKETP
41 (G.W. H. STIEFERMANN)

3 JAN 32

1306 18 - OPENED
 1317 606 - OPENED
 1325 21 - OPENED NO WATCH ON SITE
 1346 ARMY WATCH ON SITE.
 1351 11A - OPENED
 1405 26 (C.S.) OPENED.
 1500 81 ACTIVATED
 1431 191 ACTIVATED
 1530 VTI RHINE RELIEVED AS DUTY UT. VTI DOMANSKI ASSUMED
 1642 FH-26A OPEN.
 1700 FH-191 CLOSED DUE TO FLOODING STREET.
 1750 WATER LEVEL 27.9'.
 1913 WATER LEVEL 27.8'.
 1940 FH-410 OPEN.
 2000 FH-465 OPEN.
 2100 FH-400
 2200 FH-191 OPEN.
 2245 UT² DOMANSKI RELIEVED BY UT¹ STIEFERMANN
 2334 FH-442 OPENED BY CONTRACTORS.
 2359 END OF DAY.

N FETD

UT¹ (END) STIEFERMANN
 UT² (END) STIEFERMANN

04 JAN 2022

0001 START OF NEW DAY.
 0211 FH-540 OPENED.
 0334 FH-118 CLOSED DUE TO FLOODING.
 0345 FH-126 CLOSED DUE TO FLOODING
 0450 WATER LEVEL 34.1'
 0530 SUBMITTED LOGBOOK ENTRIES TO EOC
 0630 VTI RHINE PASSED DUTIES ASSIGNED
 0645 FH-26 (C.S.) OPENED
 0900 PASSED AECOM WITESTING ON
 0955 442
 0935 ASSIGNED AECOM WITESTING ON
 465
 0950 ASSIGNED WITESTING ON 410.
 1033 RECEIVED WORD TO SHUT ALL SITES
 1040 DOWN DUE TO FLOODING.
 1040 SHUT DOWN 606;
 1015 42. SHUT DOWN 410
 1215 SHUT OFF FH-118 (FI)
 1315 RECEIVED WORD TO START HYDRAULIC
 1400 STARTED 476.
 1425 STARTED FLOODING SHUT OFF 476
 1450 STARTED 48
 1456 STARTED 13
 1540 STARTED 26 (C.S.)
 1500-1505 STARTED TESTING ON 78.13
 1622 VTI DOMANSKI ASSUMES DUTY UT. VTI RHINE PROPERLY RELIEVED
 1640 FH-127 OPEN.
 1700 FH-1705 OPEN.
 1705 FH-542 OPEN.

045AN22

05 JAN 2022

1746	WATER LEVEL 28.	0001	START OF NEW DAY,
1750	FH-535 OPEN.	0030	START RONE,
1805	FH-143 OPEN.	0150	OPEN FH 812, VCC/EOC NOTIFIED.
1837	FH-535 OPEN. FH-542	0251	CLOSED FH 812. WATER AT TOP
1853	FH-500 OPEN.		OF SEWER, VCC/EOC NOTIFIED.
1910	FH-26 "G" CLOSED, DUE TO FLOODING.	0427	CLOSED FH 143 DUE TO FLOODING.
2019	FH-8103 OPEN.		VCC/EOC NOTIFIED.
2019	FH-812 OPEN. CHANGED FROM 23.	0507	HYDRANT 26 OPENED, VCC/EOC NOTIFIED.
2049	FH-801 MOVED TO 803 OPEN.	0522	WATER LEVEL 53.8'
2040	FH-804 MOVED TO 805 OPEN.	0530	LOGBOOK ENTRIES SUBMITTED TO EOC
2043	BACK LOG TO 1543. - FH-503 OPEN	0640	UT RHINE ASSUMES DUTIES AS ADJUT.
2057	1700 "BACK LOG" - FH-476 OPEN	0700	CHECKS IN AT VCC
2126	FH-302 OPEN	0730	RESERVED CALL 542 FLOODING OUT.
2212	FH-512 MOVED TO FH-511 OPEN.	0740	ARRIVED AT SITE, CLOSED 542, SENT WARNING
2250	FH-812 CLOSED, DUE TO FLOODING. WASTE WATER		TO VCC,
2300	WILL COME TO CLEAR LINE IN MORNING.	0817	503 SHUT DOWN
2359	UT ² DOMANSKY RELIEVED BY UT ¹ STINEFELMAN	0936	535 SHUT DOWN
	END OF DAY.	0917	123 SHUT DOWN
		1917	476 SHUT DOWN
		1024	143 SHUT DOWN
		1035	FH 14 (EZ) OPEN
		1042	FH 14 (EZ) OPEN
		1124	FH 13 SHUT DOWN
		1131	FH 504 SHUT DOWN
		1142	FH 8103 SHUT DOWN
		1151	FH 805 SHUT DOWN
		1206	FH 803 SHUT DOWN

NOTED
 (Signature)
 STEVEN HAN

5 JAN 22

05 JAN 2022

1210	CAUSED TO OPEN FH7.	1245	UT DOMANSKI RELIEVED BY UT STIEFFERMAN
1215	AT FUR HYDRANT 7, NO HOSE ON	2350	END OF DAY.
	SITE, ASLON, DEPT SAN STATION ON		
	SITE		
1305	NAVFAE BRUNG HOSES, TESTING BEHUB		
	100 G.P.M.		
1334	FH17 OPENED.		
1345	ARRIVE AT FH25, NO ASLON		
	ON SITE FOR TESTING.		
1420	ASLON ARRIVES, CONDUITS TESTING		
1347	300' 318 OPERATIONAL		
1425	FH25 OPERATIONAL		
1442	FH38 IS OPERATIONAL		
1443	FH382 CLOSED		
1444	FH812 CLOSED		
1505	FH511 CLOSED		
1530	UTZ DOMANSKI ASSUMES DUTIES ASUT		
	UT,		
1542	UT DOMANSKI ASSUMES DUTY UT. UTILITINE RELIEVED IN DUTY UT.		
1622	WATER LEVEL 28'.		
1652	FH-457 OPEN.		
1715	FH-7 CLOSED DUE TO FLOOD ADVISORY.		
1722	FH-25 CLOSED DUE TO FLOOD ADVISORY.		
1746	FH-926, START UP ATTEMPTED, LEAKING CAN LOCK AS		
	WELL AS CLOGGED STORM DRAIN.		
1840	FH-926 OPEN, SITE TESTED.		
1921	FH-7 OPEN.		
1940	FH-25 OPEN.		

NFETP
UT (Gen/Ext) STIEFFERMAN

06 JAN 2022

08001	START OF NEW DAY.	1146	TURNED OFF 179 FOR FLOODING.
08145	START RQVE.	1147	TRACED NEW STORM DRAIN, PERIOD
08317	WATER LEVEL 34'		DISCHARGE.
083			
08450	FH 168 CLOSED DUE TO LACK OF PERSONNEL WITH FLIGHTLINE ACCESS.	1204	TURNED ON 179.
08530	UCC NOTIFIED, LT CARZ NOTIFIED.	1201	931 REPORTED FLOODING.
08645	LOGBOOK SUBMITTED TO EOC.	1202	TURNED OFF 931.
08700	LT STIEFFERMANN RELIEVED BY UT RHINE	1152 LL	457 SHUT DOWN
08729	CHECKED IN AT UCC	1215	TURNED ON 4 FOR TESTING.
08805	931 OPENED	1238	TURNED ON 4 FOR 200 GPM.
08905	924 SHUT DOWN	1240	TURNED OFF 4 DUE TO WATER FLOOD FROM TOP OF GAL.
09005	PERMITS AT 931 TO WAIT FOR WATCH STANDARDS.	1250	243 ON.
09040	ARMY ARRIVED AT 931	1400	TURNED ON 337. NO WATCHES ON SITE.
09040	14 SHUT DOWN	1420	WATCHES ARRIVE; DUTY UT DEPARTS
09057	5 SHUT DOWN	1500	UT/DOMANSHI ASSUMES DUTY UT. TURBINE REVIEWED AT DUTY UT.
09060	924 SHUT DOWN	1540	FH-931 CLOSED. DUE TO FLOODING.
09080	19 SHUT DOWN	1600	FH-7 CLOSED.
09080	33 SHUT DOWN	1640	FH-25 CLOSED.
09080	318 SHUT DOWN	1712	FH-942 OPEN.
09080	927 OPEN	1725	FH-488 CONTACT INFO: MIKE-(789) 289-4118
09080	214 OPENED. CALL 220-2746	1802	FH-230 OPEN.
09080	FOR ACCESS	1806	FH-243 CLOSED, DUE TO FLOODING.
09080	1315 SHUT DOWN	1840	FH-3 OPEN.
09080	TURNED ON 179 FOR TESTING	1920	FH-111 OPEN.
09080	TURNED ON 179 200 GPM.	1950	FH-488 OPEN.
09080		2006	FH-725 OPEN.
09080		2245	FH-18 A2 OPEN.

06 JAN 2022

VP DOMANSKI RELIEVED BY UT STIEFERMANN

END OF DAY.

07 JAN 2022

0041	START OF NEW DAY,
0028	HYDRANT 26 CLOSED DUE TO FLOODING
0303	WATCH STANDER AT HYDRANT 26 REPORTS
	STILL FLOODING,
0315	WATER LEVEL 36'
0440	WATCH STANDER REPORTED FLOODING
	STOPPED AT FH-26.
0445	HYDRANT 498 CLOSED, SCHEDULED CLOSE,
0522	FH-26 OPEN, ULL NOTIFIED.
0530	LOGBOOK ENTRIES SUBMITTED TO
	BOC,
0645	UT STIEFERMANN RELIEVED BY UT RUINE,
0700	CHECKS IN AT ULL
0830	214 SHUT DOWN
0833	243 SHUT DOWN
0901	337 SHUT DOWN
0904	225 SHUT DOWN
0910	111 SHUT DOWN
0948	637 OPEN
0956	933 SHUT DOWN
0959	ARMY OPSITE 637 FOR WORK
1015	236 SHUT DOWN
1015	567 OPEN
1021	230 SHUT DOWN
1042	942 SHUT DOWN
1043	637 OFF DUE TO TOO HIGH PH
LE 759	26 SHUT DOWN

VF EST D
UT STIEFERMANN

7 JAN 22

1109	✓ 3 SHUT DOWN
1132	✓ 4 SHUT DOWN
1142	✓ 18 SHUT DOWN
1207	✓ 179 SHUT DOWN
1400	✓ 946 OPEN
1530	✓ 8 OPEN
1613	✓ WATCH ON
1434	✓ 86 OPEN
1617	✓ 5 OPEN
1444	✓ 34 OPEN
1715	✓ 50 CLOSED
1644	✓ 2 OPEN
1700	✓ 950 OPEN
N/A	✓ BETWEEN 1700-1830 129, 135, 128
1847	✓ AND 119 ON
1900	✓ 2 CLOSED REOPEN WHEN 2000
2015	✓ WATCH GETS ON 2087#
2100	✓ UTZ DONGHAI ASSUMES DUTY UT. UT. ALINE RELIEVED AS DUTY UT.
2115	✓ FH-11 OPEN, (PM-2)
2100	✓ FH-11 CLOSE (PM-2)
2224	✓ FH-129, FH-109, FH-135, FH-108, FH-110
2224	✓ FH-945 CLOSED
2225	✓ FH-5 CLOSED
2255	✓ FH-8 CLOSED
2308	✓ FH-990 CLOSED
2308	✓ FH-567 CLOSED
2345	✓ FH-637 CLOSED
2350	✓ UTZ ZIEHLING, KI ASSUMES DUTY UT. UT. DONGHAI RELIEVED

2359

END OF DAY.

N.F.E.T.P.
UTZ ZIEHLING

06 JAN 2022

08001	START OF NEW DAY.	06 JAN 2022	
08145	START RQVE.	1146	TURNED OFF 179 FOR FLOODING.
08317	WATER LEVEL 34'	1147	TRACED NEW STORM DRAIN, PERIOD
08			DISCHARGE.
08450	FH 168 CLOSED DUE TO LACK OF PERSONNEL WITH FLIGHTLINE ACCESS.	1204	TURNED ON 179.
08530	UCC NOTIFIED, LT CARZ NOTIFIED.	1201	931 REPORTED FLOODING.
08645	LOGBOOK SUBMITTED TO EOC.	1202	TURNED OFF 931.
08700	LT STIEFFERMANN RELIEVED BY UT RHINE	1152 LL	457 SHUT DOWN
08729	CHECKED IN AT UCC	1215	TURNED ON 4 FOR TESTING.
08805	931 OPENED	1238	TURNED ON 4 FOR 200 GPM.
08905	924 SHUT DOWN	1240	TURNED OFF 4 DUE TO WATER FLOOD FROM TOP OF GAL.
08905	PERMITS AT 931 TO WAIT FOR WATCH STANDARDS.	1250	243 ON.
08940	ARMY ARRIVED AT 931	1400	TURNED ON 337. NO WATCHES ON SITE.
08940	14 SHUT DOWN	1420	WATCHES ARRIVE; DUTY UT DEPARTS.
08954	5 SHUT DOWN	1500	UT/DOMANSHI ASSUMES DUTY UT. TURBINE REVIEWED AT DUTY UT.
08957	924 SHUT DOWN	1540	FH-931 CLOSED. DUE TO FLOODING.
08960	19 SHUT DOWN	1600	FH-7 CLOSED.
08982	33 SHUT DOWN	1640	FH-25 CLOSED.
10000	318 SHUT DOWN	1712	FH-942 OPEN.
10001	927 OPEN	1725	FH-488 CONTACT INFO: MIKE-(789) 289-4118
10004	214 OPENED. CALL 220-2746 FOR ACCESS	1802	FH-230 OPEN.
10033	1315 SHUT DOWN	1806	FH-243 CLOSED, DUE TO FLOODING.
1104	TURNED ON 179 FOR TESTING	1840	FH-3 OPEN.
1105	TURNED ON 179 200 GPM.	1920	FH-111 OPEN.
		1950	FH-488 OPEN.
		2006	FH-725 OPEN.
		2245	FH-18 A2 OPEN.

06 JAN 2022

VP DOMANSKI RELIEVED BY UT STIEFERMANN

END OF DAY.

07 JAN 2022

0041	START OF NEW DAY,
0028	HYDRANT 26 CLOSED DUE TO FLOODING
0303	WATCH STANDER AT HYDRANT 26 REPORTS
	STILL FLOODING,
0315	WATER LEVEL 36'
0440	WATCH STANDER REPORTED FLOODING
	STOPPED AT FH-26.
0445	HYDRANT 498 CLOSED, SCHEDULED CLOSE,
0522	FH-26 OPEN, ULL NOTIFIED.
0530	LOGBOOK ENTRIES SUBMITTED TO
	BOC,
0645	UT STIEFERMANN RELIEVED BY UT RUINE,
0700	CHECKS IN AT ULL
0830	214 SHUT DOWN
0833	243 SHUT DOWN
0901	337 SHUT DOWN
0904	225 SHUT DOWN
0910	111 SHUT DOWN
0948	637 OPEN
0956	933 SHUT DOWN
0959	ARMY OPSITE 637 FOR WORK
1015	236 SHUT DOWN
1015	567 OPEN
1021	230 SHUT DOWN
1042	942 SHUT DOWN
1043	637 OFF DUE TO TOO HIGH PH
LE 759	26 SHUT DOWN

VF EST D
UT STIEFERMANN

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 1:44 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Sunday/Monday, 02/03 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / Flushing Paused 2350L and Resumed 0135L
D3 / 426 / 18 / Continuous Flushing This Period
D3 / 202 / 19 / Continuous Flushing This Period
D3 / 273 / 16 / Continuous Flushing This Period
F1 / 36A / 6 / Continuous Flushing This Period
F1 / 21 / 7 / Continuous Flushing This Period
F1 / 11A / 8 / Continuous Flushing This Period
F1 / 42 / 9 / Continuous Flushing This Period
F1 / 18 / 3 / Continuous Flushing This Period
F1 / 606 / 1 / Continuous Flushing This Period
F2 / 1 South / 10 / Continuous Flushing This Period
F2 / 1 North / 12 / Flushing Resumed 2018L
F2 / 34 / 11 / Continuous Flushing This Period
F2 / 40 / 5 / Continuous Flushing This Period
F2 / 51 / 20 / Flushing Paused This Period
G1 / 18 / 17 / Flushing Paused 0234L (Ruptured Hose)
G1 / 26 / 4 / Continuous Flushing This Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 9:39 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 03 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 03 Jan 2022 - 0800L 2000L - Flush Reports.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Monday, 03 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

F1 / 36A / 6 / Continuous Flushing This Period
 F1 / 21 / 7 / Continuous Flushing This Period
 F1 / 11A / 8 / Continuous Flushing This Period
 F1 / 42 / 9 / Flushing Paused – High PH level
 F1 / 18 / 3 / Continuous Flushing This Period
 F1 / 606 / 1 / Continuous Flushing This Period
 F2 / 51 / 20 / Flushing Paused (24/7 manning required for the gates)
 G1 / 18 / 17 / Flushing Resumed 1902
 G1 / 26 / 4 / Continuous Flushing This Period
 C1 / 410 / 12 / Flushing (First Start – 1902)
 C1 / 442 / 18 / Flushing (First Start – 1902)
 C1 / 465 / 14 / Flushing (First Start – 1554)
 C1 / 548 / 25 / Flushing (First Start – 1734)
 D3 / 191 / 23 / Flushing Paused, requires additional hose to prevent overflow

F2/1 N flushing stopped at 10:30 per flush log

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Kelly, Austin A 1st Lt USAF 647 ABG (USA)
Sent: Sunday, January 2, 2022 10:12 PM
To: Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamar T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Wiley, Scottie R Capt USAF 647 ABG (USA)
Cc: 647 CES/UCC
Subject: INFO: 02 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 02 Jan 2022 0800L - 2000L JBPHH DWDSRP FLUSH REPORT.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Sunday, 02 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / ON 15:22
D3 / 426 / 18 / ON 18:06
D3 / 202 / 19 / ON 16:50
D3 / 273 / 16 / ON 16:00
F1 / 36A / 6 / ON 18:11
F1 / 21 / 7 / ON 18:03
F1 / 11A / 8 / ON 17:58
F1 / 42 / 9 / OFF due to 10:40on, 13:09 off, 17:46 on, 18:28 off
F1 / 18 / 3 / ON 13:15on. 13:43 off. 18:31 on
F1 / 606 / 1 / ON 13:30 off. 18:18 on
F2 / 1 South / 10 / ON 17:10
F2 / 1 North / 12 / ON 20:17
F2 / 34 / 11 / ON 12:49 off 16:55 on
F2 / 40 / 5 / ON 0917 on. 12:46 off. 17:30 on.
F2 / 51 / 20 / OFF
G1 / 18 / 17 / ON 19:06

Times from UT Log

G1 / 26 / 4 / ON 19:25

Very Respectfully,

Austin Kelly, 1st Lt, USAF
Airfield Deputy Assistant Public Works Officer
Naval Facilities Engineering Systems Command HI
Public Works Department, JBPHH



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 1:44 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220103 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Sunday/Monday, 02/03 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / Flushing Paused 2350L and Resumed 0135L
D3 / 426 / 18 / Continuous Flushing This Period
D3 / 202 / 19 / Continuous Flushing This Period
D3 / 273 / 16 / Continuous Flushing This Period
F1 / 36A / 6 / Continuous Flushing This Period
F1 / 21 / 7 / Continuous Flushing This Period
F1 / 11A / 8 / Continuous Flushing This Period
F1 / 42 / 9 / Continuous Flushing This Period
F1 / 18 / 3 / Continuous Flushing This Period
F1 / 606 / 1 / Continuous Flushing This Period
F2 / 1 South / 10 / Continuous Flushing This Period
F2 / 1 North / 12 / Flushing Resumed 2018L
F2 / 34 / 11 / Continuous Flushing This Period
F2 / 40 / 5 / Continuous Flushing This Period
F2 / 51 / 20 / Flushing Paused This Period
G1 / 18 / 17 / Flushing Paused 0234L (Ruptured Hose)
G1 / 26 / 4 / Continuous Flushing This Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 9:39 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]; Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 03 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 03 Jan 2022 - 0800L 2000L - Flush Reports.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Monday, 03 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

F1 / 36A / 6 / Continuous Flushing This Period
 F1 / 21 / 7 / Continuous Flushing This Period
 F1 / 11A / 8 / Continuous Flushing This Period
 F1 / 42 / 9 / Flushing Paused – High PH level
 F1 / 18 / 3 / Continuous Flushing This Period
 F1 / 606 / 1 / Continuous Flushing This Period
 F2 / 51 / 20 / Flushing Paused (24/7 manning required for the gates)
 G1 / 18 / 17 / Flushing Resumed 1902
 G1 / 26 / 4 / Continuous Flushing This Period
 C1 / 410 / 12 / Flushing (First Start – 1902)
 C1 / 442 / 18 / Flushing (First Start – 1902)
 C1 / 465 / 14 / Flushing (First Start – 1554)
 C1 / 548 / 25 / Flushing (First Start – 1734)
 D3 / 191 / 23 / Flushing Paused, requires additional hose to prevent overflow

F2/1 S flushing stopped at 11:00 per flush log

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status		
F2	FH 5 / 20	Flushing Started	on at 16:53	UT Watch
C2	FH 318 / 25	Flushing Started	on at 13:47	UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47	UT LOG
C2	FH 315 / 10	Flushing Started	on at 13:46	UT Watch
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35	Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42	UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53	Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34	closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25	closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00	Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52	UT LOG
E1	FH 924	Flushing Resumed	on at 18:40	UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
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Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

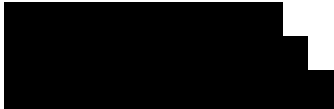
Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamarita T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.


Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing
E1	FH ID 931 / 18	Flushing
C3	FH 179 / 7	Flushing
B1	FH 4 / 22	Flushing
E1	FH 933 / 11	Flushing
C2	FH 337 / 17	Flushing
F2	FH 214 / 8	Flushing Complete
C2	FH 225 / 5	Flushing
A3	FH 18 / 14	Flushing
C2	FH 243 / 6	Flushing
D4	FH 488 / 16	Flushing
C3	FH 230 / 23	Flushing
E1	FH 942 / 20	Flushing
C3	FH 111 / 10	Flushing
B1	FH 3 / 12	Flushing
C3	FH 236 / 25	Flushing

Time	Source
0921	UT Log
On 0729-Off 1202	UT Log
1200	UT Log
1033	UT Log
1400	UT Log
1004	UT Log
2006	UT Log
2245	UT Log
On 1250-Off 1806	UT Log
1950	UT Log
1802	UT Log
1719	UT Log
1920	UT Log
1830	UT Log
0450	UT Log
0805	UT Log

D4	FH 168	Flushing Complete
E1	FH 924	Flushing Complete

Project Programmer/ ICAP Engineer
NAVFAC HI, FMD JBPHH
647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	
F2	FH 5 / 20	Flushing Started	
C2	FH 318 / 25	Flushing Started	on at 13:47 UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47 UT LOG
C2	FH 315 / 10	Flushing Started	
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35 Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42 UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53 Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34 closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25 closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00 Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52 UT LOG
E1	FH 924	Flushing Resumed	on at 18:40 UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
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Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamarita T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing	Time 0921	Source UT Log
E1	FH ID 931 / 18	Flushing	On 0729-Off 1202	UT Log
C3	FH 179 / 7	Flushing	1200	UT Log
B1	FH 4 / 22	Flushing	1033	UT Log
E1	FH 933 / 11	Flushing		
C2	FH 337 / 17	Flushing	1400	UT Log
F2	FH 214 / 8	Flushing Complete	1004	UT Log
C2	FH 225 / 5	Flushing	2006	UT Log
A3	FH 18 / 14	Flushing	2245	UT Log
C2	FH 243 / 6	Flushing	On 1250-Off 1806	UT Log
D4	FH 488 / 16	Flushing	1950	UT Log
C3	FH 230 / 23	Flushing	1802	UT Log
E1	FH 942 / 20	Flushing	1719	UT Log
C3	FH 111 / 10	Flushing	1920	UT Log
B1	FH 3 / 12	Flushing	1830	UT Log
C3	FH 236 / 25	Flushing		
D4	FH 168	Flushing Complete	0450	UT Log
E1	FH 924	Flushing Complete	0805	UT Log

Project Programmer/ ICAP Engineer

NAVFAC HI, FMD JBPHH

647 CES/CEN



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Tuesday, January 4, 2022 9:53 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: RE: INFO: 04 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: SKM_C36822010420490.pdf
Signed By: [REDACTED]

Attached is the flush report for Tuesday, 04 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / Flushing started (First time 1910)
 C2 / 123 / 11 / Flushing started (First time 1647)
 D3 / 143 / 18 / Flushing started 1801
 D3 / 382 / NO GAC / Flushing started (First time 2134)
 D3 / 476 / 16 / Flushing started 1753
 D3 / 803 / NO GAC / Flushing started (First time 2108)
 D3 / 805 / NO GAC / Flushing started (First time 2054)
 D3 / 812 / NO GAC / Flushing started (First time 2032)
 D3 / 8103 / NO GAC / Flushing started (First time 2029)
 G1 / 26 / 4 / Flushing resumed 2020
 F2 / 13 / 19 / Flushing started 1613
 F2 / 48 / 5 / Flushing started (First time 1513)
 F2 / 50 / 20 / Flushing started 1920
 C1 / 503 / 8 / Offline (projected to start in current shift)
 C1 / 512 / NO GAC / Offline (projected to start in current shift)
 C1 / 542 / 7 / Offline (projected to start in current shift)

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, January 5, 2022 2:28 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Szczepanik, Brittany A 2d LT USAF (USA)
Cc: 647 CES/UCC
Subject: INFO: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Monday/Tuesday, 04/05 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / No change
 C2 / 123 / 11 / No change
 D3 / 143 / 18 / No change
 D3 / 382 / NO GAC / No change
 D3 / 476 / 16 / No change
 D3 / 803 / NO GAC / No change
 D3 / 805 / NO GAC / No change
 D3 / 812 / NO GAC / No change
 D3 / 8103 / NO GAC / No change
 G1 / 26 / 4 / No change
 F2 / 13 / 19 / No change
 F2 / 48 / 5 / No change
 F2 / 50 / 20 / No change
 C1 / 503 / 8 / Flushing began
 C1 / 512 / NO GAC / Flushing began
 C1 / 542 / 7 / Flushing began

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.


Current Location Summary:

Zone	Hydrant / GAC	Latest Status		
F2	FH 5 / 20	Flushing Started	on at 16:53	UT Watch
C2	FH 318 / 25	Flushing Started	on at 13:47	UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47	UT LOG
C2	FH 315 / 10	Flushing Started	on at 13:46	UT Watch
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35	Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42	UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53	Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34	closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25	closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00	Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52	UT LOG
E1	FH 924	Flushing Resumed	on at 18:40	UT LOG

Section C Officer-in-Charge of Flushing Daily Report

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
F2	FH 13	Flushing stopped	11:03	Flush LOG

Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamarita T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	
F2	FH 5 / 20	Flushing Started	
C2	FH 318 / 25	Flushing Started	on at 13:47 UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47 UT LOG
C2	FH 315 / 10	Flushing Started	
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35 Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42 UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53 Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34 closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25 closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00 Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52 UT LOG
E1	FH 924	Flushing Resumed	on at 18:40 UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
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Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing	Time 0921	Source UT Log
E1	FH ID 931 / 18	Flushing	On 0729-Off 1202	UT Log
C3	FH 179 / 7	Flushing	1200	UT Log
B1	FH 4 / 22	Flushing	1033	UT Log
E1	FH 933 / 11	Flushing		
C2	FH 337 / 17	Flushing	1400	UT Log
F2	FH 214 / 8	Flushing Complete	1004	UT Log
C2	FH 225 / 5	Flushing	2006	UT Log
A3	FH 18 / 14	Flushing	2245	UT Log
C2	FH 243 / 6	Flushing	On 1250-Off 1806	UT Log
D4	FH 488 / 16	Flushing	1950	UT Log
C3	FH 230 / 23	Flushing	1802	UT Log
E1	FH 942 / 20	Flushing	1719	UT Log
C3	FH 111 / 10	Flushing	1920	UT Log
B1	FH 3 / 12	Flushing	1830	UT Log
C3	FH 236 / 25	Flushing		
D4	FH 168	Flushing Complete	0450	UT Log
E1	FH 924	Flushing Complete	0805	UT Log

Project Programmer/ ICAP Engineer

NAVFAC HI, FMD JBPHH

647 CES/CEN



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	
F2	FH 5 / 20	Flushing Started	
C2	FH 318 / 25	Flushing Started	on at 13:47 UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47 UT LOG
C2	FH 315 / 10	Flushing Started	
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35 Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42 UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53 Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34 closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25 closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00 Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52 UT LOG
E1	FH 924	Flushing Resumed	on at 18:40 UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
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Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing	Time 0921	Source UT Log
E1	FH ID 931 / 18	Flushing	On 0729-Off 1202	UT Log
C3	FH 179 / 7	Flushing	1200	UT Log
B1	FH 4 / 22	Flushing	1033	UT Log
E1	FH 933 / 11	Flushing		
C2	FH 337 / 17	Flushing	1400	UT Log
F2	FH 214 / 8	Flushing Complete	1004	UT Log
C2	FH 225 / 5	Flushing	2006	UT Log
A3	FH 18 / 14	Flushing	2245	UT Log
C2	FH 243 / 6	Flushing	On 1250-Off 1806	UT Log
D4	FH 488 / 16	Flushing	1950	UT Log
C3	FH 230 / 23	Flushing	1802	UT Log
E1	FH 942 / 20	Flushing	1719	UT Log
C3	FH 111 / 10	Flushing	1920	UT Log
B1	FH 3 / 12	Flushing	1830	UT Log
C3	FH 236 / 25	Flushing		
D4	FH 168	Flushing Complete	0450	UT Log
E1	FH 924	Flushing Complete	0805	UT Log

Project Programmer/ ICAP Engineer

NAVFAC HI, FMD JBPHH

647 CES/CEN



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status		
F2	FH 5 / 20	Flushing Started		
C2	FH 318 / 25	Flushing Started	on at 13:47	UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47	UT LOG
C2	FH 315 / 10	Flushing Started		
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35	Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42	UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53	Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34	closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25	closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00	Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52	UT LOG
E1	FH 924	Flushing Resumed	on at 18:40	UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
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Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing	Time 0921	Source UT Log
E1	FH ID 931 / 18	Flushing	On 0729-Off 1202	UT Log
C3	FH 179 / 7	Flushing	1200	UT Log
B1	FH 4 / 22	Flushing	1033	UT Log
E1	FH 933 / 11	Flushing		
C2	FH 337 / 17	Flushing	1400	UT Log
F2	FH 214 / 8	Flushing Complete	1004	UT Log
C2	FH 225 / 5	Flushing	2006	UT Log
A3	FH 18 / 14	Flushing	2245	UT Log
C2	FH 243 / 6	Flushing	On 1250-Off 1806	UT Log
D4	FH 488 / 16	Flushing	1950	UT Log
C3	FH 230 / 23	Flushing	1802	UT Log
E1	FH 942 / 20	Flushing	1719	UT Log
C3	FH 111 / 10	Flushing	1920	UT Log
B1	FH 3 / 12	Flushing	1830	UT Log
C3	FH 236 / 25	Flushing		
D4	FH 168	Flushing Complete	0450	UT Log
E1	FH 924	Flushing Complete	0805	UT Log

Project Programmer/ ICAP Engineer

NAVFAC HI, FMD JBPHH

647 CES/CEN



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	
F2	FH 5 / 20	Flushing Started	
C2	FH 318 / 25	Flushing Started	on at 13:47 UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47 UT LOG
C2	FH 315 / 10	Flushing Started	
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35 Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42 UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53 Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34 closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25 closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00 Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52 UT LOG
E1	FH 924	Flushing Resumed	on at 18:40 UT LOG

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
----	-----------	------------------	-----------------	-----------

Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, January 6, 2022 2:10 PM
To: Szczepanik, Brittany A 2d LT USAF (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday/Thursday, 05/06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status
F2	FH 5 / 20	No Change
C2	FH 318 / 25	No Change
C2	FH 300 / 23	No Change
C2	FH 315 / 10	No Change
F2	FH 19 / 12	No Change
F2	FH 33	No Change
F2	FH 14 / 17	No Change
F2	FH 7	No Change
F2	FH 25	No Change
D4	FH 168 / 14	Flushing Complete (0450L)
D4	FH 457	No Change
E1	FH 924	No Change

G1	FH 26 / 4	No Change
E1	FH ID 927 / 19	Flushing Began (0730L)
E1	FH ID 931 / 18	Flushing Began (0730L)

r/

SCOTT R. WILEY, Major, USAF
Facilities Sustainment Division Deputy Director – PRJ3
Naval Facilities Engineering Systems Command, Hawaii
400 Marshall Road JBPHH HI 96860-3139



Parada, John J LT USN NCG 1 (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Thursday, January 6, 2022 10:36 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] scott.d.wieser; Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
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 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220106 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Thursday, 06 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.

Current Location Summary:

Zone	Hydrant / GAC	Latest Status	Time	Source
F2	FH 5 / 20	Flushing Complete	0854	UT Log
C2	FH 318 / 25	Flushing Complete	1000	UT Log
C2	FH 300 / 23	Flushing Complete		
C2	FH 315 / 10	Flushing Complete	1033	UT Log
F2	FH 19 / 12	Flushing Complete	0900	UT Log
F2	FH 33	Flushing Complete	0932	UT Log
F2	FH 14 / 17	Flushing Complete	0840	UT Log
F2	FH 7	Flushing Complete	1600	UT Log
F2	FH 25	Flushing Complete	1630	UT Log
D4	FH 457	Flushing Complete	1152	UT Log
E1	FH 926	Flushing Complete		
G1	FH 26 / 4	Flushing		

E1	FH ID 927 / 19	Flushing	Time 0921	Source UT Log
E1	FH ID 931 / 18	Flushing	On 0729-Off 1202	UT Log
C3	FH 179 / 7	Flushing	1200	UT Log
B1	FH 4 / 22	Flushing	1033	UT Log
E1	FH 933 / 11	Flushing		
C2	FH 337 / 17	Flushing	1400	UT Log
F2	FH 214 / 8	Flushing Complete	1004	UT Log
C2	FH 225 / 5	Flushing	2006	UT Log
A3	FH 18 / 14	Flushing	2245	UT Log
C2	FH 243 / 6	Flushing	On 1250-Off 1806	UT Log
D4	FH 488 / 16	Flushing	1950	UT Log
C3	FH 230 / 23	Flushing	1802	UT Log
E1	FH 942 / 20	Flushing	1719	UT Log
C3	FH 111 / 10	Flushing	1920	UT Log
B1	FH 3 / 12	Flushing	1830	UT Log
C3	FH 236 / 25	Flushing		
D4	FH 168	Flushing Complete	0450	UT Log
E1	FH 924	Flushing Complete	0805	UT Log

Project Programmer/ ICAP Engineer

NAVFAC HI, FMD JBPHH

647 CES/CEN

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Kelly, Austin A 1st Lt USAF 647 ABG (USA)
Sent: Sunday, January 2, 2022 10:12 PM
To: Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamar T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Wiley, Scottie R Capt USAF 647 ABG (USA)
Cc: 647 CES/UCC
Subject: INFO: 02 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 02 Jan 2022 0800L - 2000L JBPHH DWDSRP FLUSH REPORT.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Sunday, 02 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / ON 15:22
D3 / 426 / 18 / ON 18:06
D3 / 202 / 19 / ON 16:50
D3 / 273 / 16 / ON 16:00
F1 / 36A / 6 / ON 18:11
F1 / 21 / 7 / ON 18:03
F1 / 11A / 8 / ON 17:58
F1 / 42 / 9 / OFF due to 10:40on, 13:09 off, 17:46 on, 18:28 off
F1 / 18 / 3 / ON 13:15on. 13:43 off. 18:31 on
F1 / 606 / 1 / ON 13:30 off. 18:18 on
F2 / 1 South / 10 / ON 17:10
F2 / 1 North / 12 / ON 20:17
F2 / 34 / 11 / ON 16:55 on
F2 / 40 / 5 / ON 0917 on. 12:46 off. 17:30 on.
F2 / 51 / 20 / OFF
G1 / 18 / 17 / ON 19:06

Times from UT Log

G1 / 26 / 4 / ON 19:25

Very Respectfully,

Austin Kelly, 1st Lt, USAF
Airfield Deputy Assistant Public Works Officer
Naval Facilities Engineering Systems Command HI
Public Works Department, JBPHH



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 1:44 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Sunday/Monday, 02/03 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / Flushing Paused 2350L and Resumed 0135L
D3 / 426 / 18 / Continuous Flushing This Period
D3 / 202 / 19 / Continuous Flushing This Period
D3 / 273 / 16 / Continuous Flushing This Period
F1 / 36A / 6 / Continuous Flushing This Period
F1 / 21 / 7 / Continuous Flushing This Period
F1 / 11A / 8 / Continuous Flushing This Period
F1 / 42 / 9 / Continuous Flushing This Period
F1 / 18 / 3 / Continuous Flushing This Period
F1 / 606 / 1 / Continuous Flushing This Period
F2 / 1 South / 10 / Continuous Flushing This Period
F2 / 1 North / 12 / Flushing Resumed 2018L
F2 / 34 / 11 / Continuous Flushing This Period
F2 / 40 / 5 / Continuous Flushing This Period
F2 / 51 / 20 / Flushing Paused This Period
G1 / 18 / 17 / Flushing Paused 0234L (Ruptured Hose)
G1 / 26 / 4 / Continuous Flushing This Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 9:39 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 03 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 03 Jan 2022 - 0800L 2000L - Flush Reports.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Monday, 03 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

F1 / 36A / 6 / Continuous Flushing This Period
 F1 / 21 / 7 / Continuous Flushing This Period
 F1 / 11A / 8 / Continuous Flushing This Period
 F1 / 42 / 9 / Flushing Paused – High PH level
 F1 / 18 / 3 / Continuous Flushing This Period
 F1 / 606 / 1 / Continuous Flushing This Period
 F2 / 51 / 20 / Flushing Paused (24/7 manning required for the gates)
 G1 / 18 / 17 / Flushing Resumed 1902
 G1 / 26 / 4 / Continuous Flushing This Period
 C1 / 410 / 12 / Flushing (First Start – 1902)
 C1 / 442 / 18 / Flushing (First Start – 1902)
 C1 / 465 / 14 / Flushing (First Start – 1554)
 C1 / 548 / 25 / Flushing (First Start – 1734)
 D3 / 191 / 23 / Flushing Paused, requires additional hose to prevent overflow

F2/34 flushing stopped at 09:17 per UT log

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Kelly, Austin A 1st Lt USAF 647 ABG (USA)
Sent: Sunday, January 2, 2022 10:12 PM
To: Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamar T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Wiley, Scottie R Capt USAF 647 ABG (USA)
Cc: 647 CES/UCC
Subject: INFO: 02 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 02 Jan 2022 0800L - 2000L JBPHH DWDSRP FLUSH REPORT.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Sunday, 02 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / ON 15:22
D3 / 426 / 18 / ON 18:06
D3 / 202 / 19 / ON 16:50
D3 / 273 / 16 / ON 16:00
F1 / 36A / 6 / ON 18:11
F1 / 21 / 7 / ON 18:03
F1 / 11A / 8 / ON 17:58
F1 / 42 / 9 / OFF due to 10:40on, 13:09 off, 17:46 on, 18:28 off
F1 / 18 / 3 / ON 13:15on. 13:43 off. 18:31 on
F1 / 606 / 1 / ON 13:30 off. 18:18 on
F2 / 1 South / 10 / ON 17:10
F2 / 1 North / 12 / ON 20:17
F2 / 34 / 11 / ON 12:49 off 16:55 on
F2 / 40 / 5 / ON 0917 on. 12:46 off. 17:30 on.
F2 / 51 / 20 / OFF
G1 / 18 / 17 / ON 19:06

Times from UT Log

G1 / 26 / 4 / ON 19:25

Very Respectfully,

Austin Kelly, 1st Lt, USAF
Airfield Deputy Assistant Public Works Officer
Naval Facilities Engineering Systems Command HI
Public Works Department, JBPHH



Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 1:44 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220103 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Sunday/Monday, 02/03 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 405 / 14 / Flushing Paused 2350L and Resumed 0135L
D3 / 426 / 18 / Continuous Flushing This Period
D3 / 202 / 19 / Continuous Flushing This Period
D3 / 273 / 16 / Continuous Flushing This Period
F1 / 36A / 6 / Continuous Flushing This Period
F1 / 21 / 7 / Continuous Flushing This Period
F1 / 11A / 8 / Continuous Flushing This Period
F1 / 42 / 9 / Continuous Flushing This Period
F1 / 18 / 3 / Continuous Flushing This Period
F1 / 606 / 1 / Continuous Flushing This Period
F2 / 1 South / 10 / Continuous Flushing This Period
F2 / 1 North / 12 / Flushing Resumed 2018L
F2 / 34 / 11 / Continuous Flushing This Period
F2 / 40 / 5 / Continuous Flushing This Period
F2 / 51 / 20 / Flushing Paused This Period
G1 / 18 / 17 / Flushing Paused 0234L (Ruptured Hose)
G1 / 26 / 4 / Continuous Flushing This Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Monday, January 3, 2022 9:39 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M TSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 03 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 03 Jan 2022 - 0800L 2000L - Flush Reports.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Monday, 03 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

F1 / 36A / 6 / Continuous Flushing This Period
 F1 / 21 / 7 / Continuous Flushing This Period
 F1 / 11A / 8 / Continuous Flushing This Period
 F1 / 42 / 9 / Flushing Paused – High PH level
 F1 / 18 / 3 / Continuous Flushing This Period
 F1 / 606 / 1 / Continuous Flushing This Period
 F2 / 51 / 20 / Flushing Paused (24/7 manning required for the gates)
 G1 / 18 / 17 / Flushing Resumed 1902
 G1 / 26 / 4 / Continuous Flushing This Period
 C1 / 410 / 12 / Flushing (First Start – 1902)
 C1 / 442 / 18 / Flushing (First Start – 1902)
 C1 / 465 / 14 / Flushing (First Start – 1554)
 C1 / 548 / 25 / Flushing (First Start – 1734)
 D3 / 191 / 23 / Flushing Paused, requires additional hose to prevent overflow

F2/40 flushing stopped at 10:30 per flush log

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Tuesday, January 4, 2022 9:53 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: RE: INFO: 04 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: SKM_C36822010420490.pdf
Signed By: [REDACTED]

Attached is the flush report for Tuesday, 04 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / Flushing started (First time 1910)
 C2 / 123 / 11 / Flushing started (First time 1647)
 D3 / 143 / 18 / Flushing started 1801
 D3 / 382 / NO GAC / Flushing started (First time 2134)
 D3 / 476 / 16 / Flushing started 1753
 D3 / 803 / NO GAC / Flushing started (First time 2108)
 D3 / 805 / NO GAC / Flushing started (First time 2054)
 D3 / 812 / NO GAC / Flushing started (First time 2032)
 D3 / 8103 / NO GAC / Flushing started (First time 2029)
 G1 / 26 / 4 / Flushing resumed 2020
 F2 / 13 / 19 / Flushing started 1613
 F2 / 48 / 5 / Flushing started (First time 1513)
 F2 / 50 / 20 / Flushing started 1920
 C1 / 503 / 8 / Offline (projected to start in current shift)
 C1 / 512 / NO GAC / Offline (projected to start in current shift)
 C1 / 542 / 7 / Offline (projected to start in current shift)

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, January 5, 2022 2:28 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Szczepanik, Brittany A 2d LT USAF (USA)
Cc: 647 CES/UCC
Subject: INFO: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Monday/Tuesday, 04/05 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / No change
 C2 / 123 / 11 / No change
 D3 / 143 / 18 / No change
 D3 / 382 / NO GAC / No change
 D3 / 476 / 16 / No change
 D3 / 803 / NO GAC / No change
 D3 / 805 / NO GAC / No change
 D3 / 812 / NO GAC / No change
 D3 / 8103 / NO GAC / No change
 G1 / 26 / 4 / No change
 F2 / 13 / 19 / No change
 F2 / 48 / 5 / No change
 F2 / 50 / 20 / No change
 C1 / 503 / 8 / Flushing began
 C1 / 512 / NO GAC / Flushing began
 C1 / 542 / 7 / Flushing began

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.


Current Location Summary:

Zone	Hydrant / GAC	Latest Status	
F2	FH 5 / 20	Flushing Started	
C2	FH 318 / 25	Flushing Started	on at 13:47 UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47 UT LOG
C2	FH 315 / 10	Flushing Started	
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35 Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42 UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53 Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34 closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25 closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00 Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52 UT LOG
E1	FH 924	Flushing Resumed	on at 18:40 UT LOG

Section C Officer-in-Charge of Flushing Daily Report

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
F2	FH 48	Flushing stopped	10:45	Flush LOG

Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Tuesday, January 4, 2022 9:53 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: RE: INFO: 04 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: SKM_C36822010420490.pdf
Signed By: [REDACTED]

Attached is the flush report for Tuesday, 04 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / Flushing started (First time 1910)
 C2 / 123 / 11 / Flushing started (First time 1647)
 D3 / 143 / 18 / Flushing started 1801
 D3 / 382 / NO GAC / Flushing started (First time 2134)
 D3 / 476 / 16 / Flushing started 1753
 D3 / 803 / NO GAC / Flushing started (First time 2108)
 D3 / 805 / NO GAC / Flushing started (First time 2054)
 D3 / 812 / NO GAC / Flushing started (First time 2032)
 D3 / 8103 / NO GAC / Flushing started (First time 2029)
 G1 / 26 / 4 / Flushing resumed 2020
 F2 / 13 / 19 / Flushing started 1613
 F2 / 48 / 5 / Flushing started (First time 1513)
 F2 / 50 / 20 / Flushing started 1920
 C1 / 503 / 8 / Offline (projected to start in current shift)
 C1 / 512 / NO GAC / Offline (projected to start in current shift)
 C1 / 542 / 7 / Offline (projected to start in current shift)

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, January 5, 2022 2:28 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Szczepanik, Brittany A 2d LT USAF (USA)
Cc: 647 CES/UCC
Subject: INFO: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220105 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Monday/Tuesday, 04/05 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / No change
 C2 / 123 / 11 / No change
 D3 / 143 / 18 / No change
 D3 / 382 / NO GAC / No change
 D3 / 476 / 16 / No change
 D3 / 803 / NO GAC / No change
 D3 / 805 / NO GAC / No change
 D3 / 812 / NO GAC / No change
 D3 / 8103 / NO GAC / No change
 G1 / 26 / 4 / No change
 F2 / 13 / 19 / No change
 F2 / 48 / 5 / No change
 F2 / 50 / 20 / No change
 C1 / 503 / 8 / Flushing began
 C1 / 512 / NO GAC / Flushing began
 C1 / 542 / 7 / Flushing began

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: SZCZEPANIK, BRITTANY A 2d Lt USAF AETC 71 STUS/STU <[REDACTED]>
Sent: Wednesday, January 5, 2022 10:13 PM
To: Wiley, Scottie R Maj USAF 647 ABG (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA);
 [REDACTED] Duarte, Israel A MSgt USAF (USA); [REDACTED]
 [REDACTED] Williams, Malcolm J Capt USAF 647 ABG (USA);
 [REDACTED] Gruber, Marjorie J LCDR
 USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT
 USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII
 PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche,
 Brennan W LT USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC
 (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA);
 [REDACTED] Baranowski, Phillip J CPO USN
 NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY
 WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA);
 Johnson, Jamaría T PO2 USN (USA); [REDACTED] Lett, Julius J SMSgt
 USAF (USA); [REDACTED] Asistio, Maria Angela
 Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt
 USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry,
 Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA);
 CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Cc: 647 CES/UCC
Subject: INFO: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20220105 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Attached is the flush report for Wednesday, 05 Jan 22, 0800L – 2000L. Below is a summary of current distribution flushing.


Current Location Summary:

Zone	Hydrant / GAC	Latest Status		
F2	FH 5 / 20	Flushing Started		
C2	FH 318 / 25	Flushing Started	on at 13:47	UT LOG
C2	FH 300 / 23	Flushing Started	on at 13:47	UT LOG
C2	FH 315 / 10	Flushing Started		
F2	FH 19 / 12	Flushing Started (First Time)	on at 10:35	Flush LOG
F2	FH 33	Flushing Started (First Time)	on at 14:42	UT LOG
F2	FH 14 / 17	Flushing Started	on at 09:53	Flush LOG
F2	FH 7	Flushing Resumed	on at 13:34	closed at 17:15 on at 19:21 UT LOG
F2	FH 25	Flushing Resumed	on at 14:25	closed at 17:22 on at 19:38 UT LOG
D4	FH 168 / 14	Flushing Started	on at 12:00	Flush LOG
D4	FH 457	Flushing Started (First Time)	on at 16:52	UT LOG
E1	FH 924	Flushing Resumed	on at 18:40	UT LOG

Section C Officer-in-Charge of Flushing Daily Report

G1	FH 26 / 4	Flushing Started	closed at 08:20	Flush LOG
F2	FH 50	Flushing stopped	13:00	Flush LOG

Very Respectfully,

BRITTANY A. SZCZEPANIK, 2d Lt, USAF
 Project Programmer/ ICAP Engineer
 NAVFAC HI, FMD JBPHH
 647 CES/CEN


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Maj USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, January 4, 2022 1:11 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN 647 CES/UCC
Cc:
Subject: INFO: 20220104 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20220104 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Attached is the flush report for Sunday/Monday, 03/04 Jan 22, 2000L – 0800L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

F1 / 36A / 6 / Continuous Flushing This Period
 F1 / 21 / 7 / Continuous Flushing This Period
 F1 / 11A / 8 / Continuous Flushing This Period
 F1 / 42 / 9 / Flushing Paused This Period (High PH level)
 F1 / 18 / 3 / Continuous Flushing This Period
 F1 / 606 / 1 / Continuous Flushing This Period
 F2 / 51 / 20 / Flushing Resumed 0018L
 G1 / 18 / 17 / Flushing Paused 0335L (Flooding)
 G1 / 26 / 4 / Flushing Paused 0345L (Flooding)
 C1 / 410 / 12 / Continuous Flushing This Period
 C1 / 442 / 18 / Continuous Flushing This Period
 C1 / 465 / 14 / Continuous Flushing This Period
 C1 / 548 / 25 / Flushing Resumed 0212L
 D3 / 191 / 23 / Flushing Paused 2152L; Flushing Resumed 2205L (Re-position discharge hose)

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Sent: Tuesday, January 4, 2022 9:53 PM
To: Kelly, Austin A 1st Lt USAF 647 ABG (USA); Joseph, Craig M MSgt USAF (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A CMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: RE: INFO: 04 Jan 22 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: SKM_C36822010420490.pdf
Signed By: [REDACTED]

Attached is the flush report for Tuesday, 04 Jan 22, 0800L – 2000L. Also below is a summary on distribution flushing below.

Current Location Summary:

Zone / FH# / GAC # / Flushing Status

C1 / 535 / 6 / Flushing started (First time 1910)
 C2 / 123 / 11 / Flushing started (First time 1647)
 D3 / 143 / 18 / Flushing started 1801
 D3 / 382 / NO GAC / Flushing started (First time 2134)
 D3 / 476 / 16 / Flushing started 1753
 D3 / 803 / NO GAC / Flushing started (First time 2108)
 D3 / 805 / NO GAC / Flushing started (First time 2054)
 D3 / 812 / NO GAC / Flushing started (First time 2032)
 D3 / 8103 / NO GAC / Flushing started (First time 2029)
 G1 / 26 / 4 / Flushing resumed 2020
 F2 / 13 / 19 / Flushing started 1613
 F2 / 48 / 5 / Flushing started (First time 1513)
 F2 / 50 / 20 / Flushing started 1920
 C1 / 503 / 8 / Offline (projected to start in current shift)
 C1 / 512 / NO GAC / Offline (projected to start in current shift)
 C1 / 542 / 7 / Offline (projected to start in current shift)

F2/51 down at
08:39 per flush log

February 26, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: WATER STORAGE FACILITIES AND WATER SOURCE FOR ZONES A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3, AND I1

Ref: (a) Drinking Water Sampling Plan, December 2021
(b) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Joint Base Pearl Harbor Hickam Potable Water System Description
(2) S1 and S2 Water Storage Tank Flushing Report Memo
(3) Inspection, Maintenance, and Cleaning of Potable Water Tanks Memo
(4) Ford Island/Shipyard Water Transmission Line Status
(5) JBPHH/Iroquois Point Water Transmission Line Status
(6) Board of Water Supply Interconnection Status

1. This letter and associated enclosures describes and documents the flushing of the water storage facilities that serve the Joint Base Pearl Harbor Hickam (JBPHH) public water system (PWS No. 360). The flushing of the JBPHH water storage facilities and distribution system was completed in accordance with reference (a) and (b). Enclosure (1) describes the JBPHH public water system and storage tanks associated with the system. Page 8 of reference (a) has the flushing zones and water storage facilities located in each zone. The flushing of each zone identified in phase 1 of reference (a) included five volumetric turnovers. The volumetric turnover requirement included the water tank storage and distribution system volume for each zone. The water testing of the distribution system after flushing a zone's water storage tank and distribution system was the confirmation that contamination was removed from the system and that the water tanks was not a source of contamination. Enclosure (2) documents the Hawaii Department of Health's approved change from reference (a) for the flushing of Halawa S-1 and Halawa S-2.

2. Zones A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3 and I1 are currently fed by the Waiawa Shaft water supply source. The pumps from the shafts generally run continuous and range from 6,000 to 14,000 gallons per minute based on the demand of the JBPHH potable water system. The pressure throughout the JBPHH distribution system is aided by the two Halawa water storage tanks. The Halawa S-1 tank is currently in service and the Halawa S-2 tank has been taken offline for maintenance as documented in enclosure (2). Enclosure (3) documents the planned timeline associated with the inspection, maintenance and cleaning of the Navy owned water storage tanks. The planned work is scheduled to be completed before the end of this calendar year. The inspection of the water storage tanks will be conducted in accordance with American Water Works Association (AWWA) Standard for Inspecting and Repairing Steel Water Tanks, Standpipes, Reservoirs, and Elevated Tanks by personnel with the requisite qualifications outlined in this AWWA standard. Zone I1 (Red Hill) is served by Navy owned water storage tanks. The Army operates the consecutive Aliamanu public water system (PWS No. 337) which receives its water from the JBPHH public water

SUBJ: WATER STORAGE FACILITIES AND WATER SOURCE FOR ZONES A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3, AND I1

system. The Army's public water system serves the Aliamanu Military Reservation (AMR). The AMR area was subdivided into three flushing zones which included Zones H1, H2, and H3. The planned timeline associated with the inspection, maintenance, and cleaning of the Army owned water storage tanks will be submitted as part of the removal action reports for Zones H1, H2, H3.

3. At this time, there are two water transmission lines that are not in operation. The water transmission line between Ford Island and the Shipyard was offline at the time of the incident as described in Enclosure (3) and is currently going through repairs. The valves at each end of the underwater water transmission line between JBPHH and Iroquois Point were closed on December 5, 2021 and the valves have remained closed since that date as documented in Enclosure (4). Enclosure (5) documents the method for reopening the underwater water transmission line between JBPHH and Iroquois Point to prevent potential contamination and adverse water quality issues. The Navy will notify the Hawaii Department of Health prior to reopening the underwater water transmission line the between JBPHH and Iroquois Point. Additional interconnections with Board of Water Supply (BWS) are described in Enclosure (6). Water being distributed in the system and being stored in water storage tanks that maintain pressure in Zones A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, and F2 have been flushed in accordance with reference (b) and the distribution system tested in accordance with reference (a). The removal action reports for Zones H1, H2, H3, and I1 document the flushing of the water storage tanks that specifically serve those zones.

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL | Digitally signed by
.WAYNE.JR.1088 | MENO.MICHAEL.WAYNE.JR
310035 | -1088310035
Date: 2022.02.26 17:41:31
-10'00'

M. W. Meno
CAPT, CEC, USN

Joint Base Pearl Harbor Hickam (JBPHH) Potable Water Description

Major components of the JBPHH potable water system include:

- Supply sources
 - Waiawa Shaft/Pumping Station
 - Red Hill Shaft/Pumping Station
 - Halawa Shaft/Pumping Station
 - Emergency Interconnections (2 locations)
- Water storage facilities
- 2-6,000,000 gallon steel storage tanks at Halawa
 - 2-200,000 gallon concrete storage tanks at Camp Smith
 - 1-250,000 gallon glass-fused steel storage tank at Camp Smith with a usable storage capacity of 140,000 gallons
 - 2-250,000 gallon glass-fused steel storage tank at Red Hill
- Distribution system
 - Camp Smith Booster Pump (to convey water to the Camp Smith water system)
 - Red Hill Booster Pumps (to convey water to the storage tank)
 - Moanalua Terrace Booster Pumps (to pressurize the water system serving the Moanalua Terrace Housing area)
 - Boneyard Booster Pumps (to pressurize the water system serving the upper elevation of Moanalua Terrace Housing area)
 - Manana Booster Pumps (to pressurize the water system serving the Manana Housing area)
 - A network of pipes, meters, valves, and hydrants for distribution and fire protection

Water Storage Facilities:

Fresh water storage facilities store water for normal, fire, and maximum demand use, and serve to maintain relatively constant pressure in the water system. The JBPHH water system is equipped with two welded steel tanks, each with a storage capacity of six million gallons. These tanks are identified as the Halawa storage tanks S-1 and S-2. Both of these tanks are located adjacent to the Aliamanu Military Reservation at a ground elevation of 140 feet. The diameter of the tanks are 164 feet each, with a nominal height of 48 feet. The spillway elevations of the S-1 and S-2 tanks are 178.5 feet. The tanks are interconnected by a 10-inch line. Water from each of the tanks discharges through separate 24-inch mains and combines to a single 30-inch transmission main.

Other water storage tanks in the JBPHH system include the three tanks at Camp Smith, a storage tank serving the Red Hill Housing area, and three storage tanks serving the Army's Aliamanu Housing area. The Red Hill and Aliamanu tanks are supplied by separate booster pump stations located at the Red Hill Water Pumping Station and the Halawa Storage Tanks, respectively. These tanks are dedicated to serving these two non-Navy housing areas.

February 11, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: S1 AND S2 WATER STORAGE TANK FLUSHING REPORT

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

1. This letter documents the current status of the S1 and S2 water storage tanks. In accordance with reference (a), the S1 and S2 water storage tanks were part of the Zone F1 flushing plan. The flushing plan for Zone F1 included both water storage tanks in the five volumetric turnover calculations. The calculated turnover volume was 61.35 million gallons of water. The S1 tank was flushed by cycling the water tank for five volumetric flushes. In order to conserve the amount of water being used in the flushing of Zone F1, the S2 water storage tank was taken out of service and remains out of service to date. This decision resulted in the conservation of approximately 25 million gallons of water. The Hawaii Department of Health (HDOH) was notified of the Navy's modified flushing plan and provided concurrence. The S2 water storage tank is being scheduled for cleaning and maintenance. The Navy will provide details to HDOH on the method and procedures for cleaning and maintenance of the S2 water storage tank prior to the start of work. The Navy will notify the HDOH upon completion of the work and the tank being placed back into service.

2. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL.WAYNE.JR.10883100
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Digitally signed by
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M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

ENCL(2)

25 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Inspection, Maintenance, and Cleaning of Potable Water Tanks

1. This Memorandum for Record (MFR) is to document the summary processes for inspection, maintaining, and cleaning storage tanks within the Joint Base Pearl Harbor-Hickam potable water system. There are seven potable water storage tanks. Each tank holds water that is consistently in flux – rising and falling according to the dynamic demands for water under certain pressures at specific times. As such, the tanks are continually cycling fresh water recently pumped from the well and chlorinated at the treatment plant. JBPH-H does not drain and clean the tanks per a schedule, however the following records indicate recent cleaning. Tank cleaning follows AWWA M42 - Steel Water Storage Tanks.
 - a. S1 tank inspected and cleaned in 2010, cleaned by in-house EV remediation shop, mainly to remove sediment from the tank floor.
 - b. S2 tank inspected and cleaned 2007, cleaned by in-house remediation shop, mainly to remove sediment from the tank floor.
 - c. Red Hill tank No. 685 was inspected in 2013, via remote camera vehicle
 - d. Red Hill tank No. 316 was installed in 2017 and has not yet been inspected
 - e. Camp Smith tanks (3) were inspected and cleaned in 2013.
2. As the seven tanks have not been inspected a group for several years, the Public Works Department shall funds and contract a complete inspection and cleaning for all tanks in accordance with AWWA standards by then end CY 2022.
3. Tanks are monitored and operated using a Supervisory Control and Data Acquisition (SCADA) system to ensure that they are at the right levels and pumps and valves are operating at prescribed times and speeds, overseen by Utilities staff 24/7. Our field team is regularly physically engaged with these tanks to ensure functionality, condition, and security of the tanks. There are frequent field actions near and connected to the tanks – they are routinely inspected per the requirements to manage the system.
4. As the tank hardware ages and requires repair and replacement, a tank may be isolated, drained and taken out of service to conduct this work. At these times, when work involved the interior of the tank, a full cleaning and refilling is conducted. This is typically done with a contract.
5. The S2 tank, a 6 MG tank that, with the S1 tank, provides the ability to keep pressurized water in the system for firefighting while serving the domestic demand, has been secured from the rest of the system since December 22, 2021. The water in the tank has been sampled and the results have shown a non-detect for TPH. Public work will make repairs and clean this tank within the next 90 days. The process to flush, clean and return the tank to the system is as follows:
 - a. Repair S1/S2 overflow 24" drain line with Cured-in-Place Pipe
 - b. Drain S2 tank via existing drain line, leading to the city storm drainage system
 - c. Clean and Disinfect S2 tank (Following ANSI/AWWA C652-02: Disinfection of Water-Storage Facilities)
 - d. Perform bacteriological and TPH sampling and testing
 - e. Return S2 tank to service

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Public Works Officer
Joint Base Pearl Harbor Hickam

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22 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Ford Island/Shipyard Water Transmission Line Status

1. This Memorandum for Record (MFR) is to document the status of the underwater crossing water transmission line (pipe) that connects the Ford Island and Shipyard areas of the Joint Base Pearl Harbor-Hickam Potable Water System.
2. As part of the P-209 Dry Dock 3 Replacement design effort, a contractor was performing soil borings at Hospital Point near the Shipyard. The contractor damaged the 24-inch underwater crossing during one of their borings on 15 June 21, by drilling through the casing and pipe.
3. JBPHH has begun plans for repairing or replacing this damaged line. A Design consultant is scheduled to start the design on the repairs in March of 2022. Construction funds for the repair are allocated for Fiscal Year 2023.
4. The water transmission line was secured from the JBPHH system via an isolation valve on the Ford Island side, and physical pipe removal on the Shipyard side. Enclosure [1] is a picture taken on 22 January 2022 of the physical pipe removal at Hospital Point.
5. The Ford Island isolation valve is less than 5 years old, and PWD personnel have verified in the field that there are no indications of leak-by, via audible tests and noting the lack of vibrations.
6. a pitot-style flow meter that has been sending false readings is located in the currently isolated section is, as there is no water flow in this not-in-service piping. Isolation was performed with in-house NAVFAC forces on 5 Dec 2021. PWD has not explored the root cause of the false reading, as the piping is isolated, and the meter is not used for any other purposes. Possible cause of the flow readings may be air trapped in the lines that shows pressure differentials as tide changes.

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam



25 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Joint Base Pearl Harbor-Hickam – Iroquois Point Water Connection

ENCL.: (1) Interconnection line drainage schematic

1. This Memorandum for Record (MFR) is to document the process to reopen and flush the 24" potable water system interconnection line between Iroquois Point and Bishop Point on Joint Base Pearl Harbor-Hickam.
2. Like most looped systems, the water in this interconnection flows in both directions depending on demand. On work days, when residents are typically not on Iroquois Point and the Joint Base is operating, water typically flows from west to east. On nights and weekends, the water may flow from east to west, depending on if the Kapilina Homes in Iroquois Point is operating the irrigation system, and similarly, what the demand is on the Joint Base proper from housing communities near Bishop Point. The long-term closure of the line is possible because each zone has multiple feeds. The presence of these looped interconnections allows redundancy – if one feed goes off-line for maintenance or unexpectedly, the area has a redundant feed to continue service.
3. The interconnection was secured on 05 Dec. 2021 by closing the gate valve on each end (shore) of the interconnection. The water between these valves has not moved since then. When we bring this section back online, the process will be as follows, and according to the diagram in Enclosure (1).
 - a. Secure two additional valves (126 and 130 at West Loch). See Enclosure (1).
 - b. Open valve 128 (currently shut) at West Loch
 - c. Open valve at Hickam that is currently shut
 - d. Open and flush from hydrant no. 64 at West Loch, located between valves 126 and 128.
 - e. Flush transmission line for 6-8 hours to the sanitary sewer.
 - f. Flushing, chlorination and testing of the transmission main will follow ANSI/AWWA C651-05: Disinfecting Water Mains.
 - g. Collect first sample for bacteriological testing after flushing.
 - h. Collect second sample (at least 24 hours after first sample) for bacteriological testing.
 - i. Open valves 126 and 130 and valves on Bishop Point, completing the loop.

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ENCL(5)

The diagram is a hand-drawn schematic of a water distribution system. It features several key components and annotations:

- Top Section:** A horizontal line represents a main water line. A blue arrow points down to it from the top edge. Below this line, handwritten text reads "INST. 1953" and "20\" B.W. ACROSS CHANNEL FROM HICKAM".
- Left Side:** A vertical line is labeled "DEWATERING". To its left, a red box contains the text "Flush from fire hydrant 64 inside EOD Compound". A red arrow points from this box to a circled node labeled "64".
- Central Nodes:** Several nodes are marked with circles and numbers: "128", "127", "126", "130", and "131". A blue box with the text "Valve 128 currently shut, will need to open to flush through hydrant 64" has a blue arrow pointing to node "128".
- Bottom Section:** A horizontal line runs across the lower part of the diagram. A blue box with the text "Will need to shut valves 130 and 126 (currently open)" has a blue arrow pointing to node "126".
- Other Features:**
 - A "METER" is indicated near node "126".
 - A "PLUG" is marked on a line segment.
 - Two rectangular blocks are labeled "0391" and "0345".
 - A dashed line is labeled "FW 2\" PVC".
 - The bottom right corner is labeled "ENCLOSURE 1".

22 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Board of Water Supply Interconnection Status

Ref: [1] Management Inquiry Into Manana Booster/BWS dtd 29 Dec 2021

1. This Memorandum for Record (MFR) is to document the status of the Board of Water Supply (BWS) interconnections with the Joint Base Pearl Harbor Hickam Potable Water System. The JBPHH system has four interconnection points with BWS: (1) Puuloa Road, (2) Halawa Heights Road, (3) Manana Housing, and (4) Red Hill.
2. BWS physically removed the meters from two of the interconnections, creating an “air gap” between the BWS system and the Navy system at both the Puuloa Road location and the Halawa Heights Road location. BWS performed that work on or around 10 December 2021. PWD personnel confirmed that the meters were removed on 14 December 2021.
3. Red Hill and Manana Housing BWS interconnections are still physically connected. The Red Hill interconnection is isolated on both the BWS side and Navy side of the connection. Manana interconnection was opened on 16 November 2021, and is feeding Manana housing. Isolation valves have been secured from the Navy supply to Manana, to isolate Manana Housing from the JBPHH System (Reference [1]).
4. Prior to December 2017, there was a fifth BWS interconnection with the JBPHH system, located at Geiger Road. The Kalaeloa area of the JBPHH water system was transferred from Navy to the Kalaeloa Water Company in December 2017. The BWS interconnection was included in the transfer. Shortly after the transfer, PWD Utilities personnel physically removed the connection from West Loch to Geiger Road piping, “air gapping” the KWC system and the JBPHH system.

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Public Works Officer
Joint Base Pearl Harbor Hickam

ENCL(6)

March 7, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE F2 DISTRIBUTION SYSTEM SAMPLE AND EXCEEDANCE RESAMPLE REPORT

Encl: (1) Zone F2 Stage 2 Distribution Sampling Report
(2) Zone F2 ISP or MCL Exceedance Resample Report
(3) Laboratory Report, SDG 580-109090-2, Level 2, Eurofins FGS, Seattle, 2022-02-09
(4) AECOM Technical Review of BCEE in sample results dtd 05 MAR 2022
(5) Eurofins Corrective Action Memo for AECOM bis (2-Chloroethyl) ether false positives
(6) DoH's Guidance on the Approach to Amending the Public Health Advisory, Addendum 1 dtd 12 FEB 2022
(7) DoH SVOC Sample Results for Zone F2 Distribution System
(8) DoH TPH Sample Results for Zone F2 Distribution System and Residences

1. The Zone F2 Distribution System sampling results are listed in enclosures (1) and (2). Enclosure (1) contains the initial distribution system sample results for Zone F2. Enclosure (2) documents additional distribution samples that were taken in Zone F2. The samples of the distribution system were taken at the hydrants. The categories of the results are broken down into non-detect, detect below limit levels, and exceedance. A non-detect occurs when the laboratory does not detect a measurable amount of an analyte. A detect below limit levels occurs when the laboratory detects a measurable amount of an analyte below Incident Specific Parameters (ISPs), Department of Health (DoH) Environmental Action Levels (EALs) or Maximum Contaminant Levels (MCLs), or Environmental Protection Agency (EPA) MCLs. An exceedance occurs when the laboratory detects a chemical and the amount detected is higher than established acceptable thresholds. All chemical and metal detections are shown in enclosures (1) and (2). The various agency limits are listed for reference and the result along with the location of the exceedance sample is listed in tabular form. Results highlighted in yellow exceed the ISP. Results in purple font also exceed the EAL. Results in green font also exceed the DOH MCL. Results in blue font also exceed the EPA MCL.

2. Bis (2-chloroethyl) ether (BCEE) was detected in the Zone F2 screening samples taken on January 6, 2022 as shown in enclosure (1). The detection of this compound seemed to be an anomaly. As a result of this possibility, AECOM conducted a technical review of the lab procedure and found an error that resulted in a false detect. AECOM notified the laboratory of their technical review. On page 3 of enclosure (3) of the laboratory report states that:

“02/07/2022: The report has been revised to report the 8270E analyte Bis (2-chloroethyl) ether as ND after further review of the data. Samples were initially reported to contain Bis (2-chloroethyl) ether above the reporting limit. Upon further review, these results do contain ions 93 and 95 in adequate ratios and at a satisfactory retention time; however, the results do not contain

SUBJ: ZONE F2 DISTRIBUTION SYSTEM SAMPLE AND EXCEEDANCE RESAMPLE
REPORT

ion 63 at an adequate ratio, nor does the overall fragmentation pattern match that of Bis (2-chloroethyl) ether. Therefore, these detections have been identified as false positives and the status of Bis (2-chloroethyl) ether has been revised as non-detect.”

As a precaution, the Navy took samples at the hydrants that were previously taken and the results were non-detect for BCEE. This is fully documented in enclosure (2) which reflects the corrected BCEE sample results for the screening sample taken on January 6, 2022. Enclosure (2) shows the resamples taken on February 4, 2022 were non-detect for BCEE. Enclosure (4) documents the technical review conducted by AECOM. The EPA stated in IDWST deliberations their concurrence with the conclusion of a false detect after independent review from the Region 9 laboratory and contractor resources. Enclosure (5) provides amplifying information from Eurofins Laboratory regarding the false detection of BCEE. Based upon the amplifying information from Eurofins Laboratory and discussion among the IDWST, it was concluded that neither BCEE nor the misidentified by-products of chlorine and the stabilizer of the lab's extraction agent, 2-methyl-2-butene (amylene), were in the sampled water. A reaction of normal chlorination in the water and the stabilizer of the lab's extraction agent caused the formation of a polychlorinated amylene that was misidentified as BCEE. This compound could not form in the distribution system in the presence of chlorine because the stabilizer in the lab's extraction agent would not be present to cause that reaction.

3. Enclosure (6) sets the DOH project screening level for copper at the action level of 1,300 parts per billion (ppb). Enclosure (7) and enclosure (8) are the test results for samples taken by DoH. Enclosure (8) indicates that a sample taken had a sheen but the test result was below the ISP for total petroleum hydrocarbon (TPH). There were no exceedances above the MCL and no exceedances of ISPs that required further action. Based on all of the information presented above, no further action was required regarding the distribution system for Zone F2. The laboratory reports will be made publicly available at <https://jbphh-safewaters.org/> upon amendment of the health advisory for Zone F2.

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

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M. W. Meno
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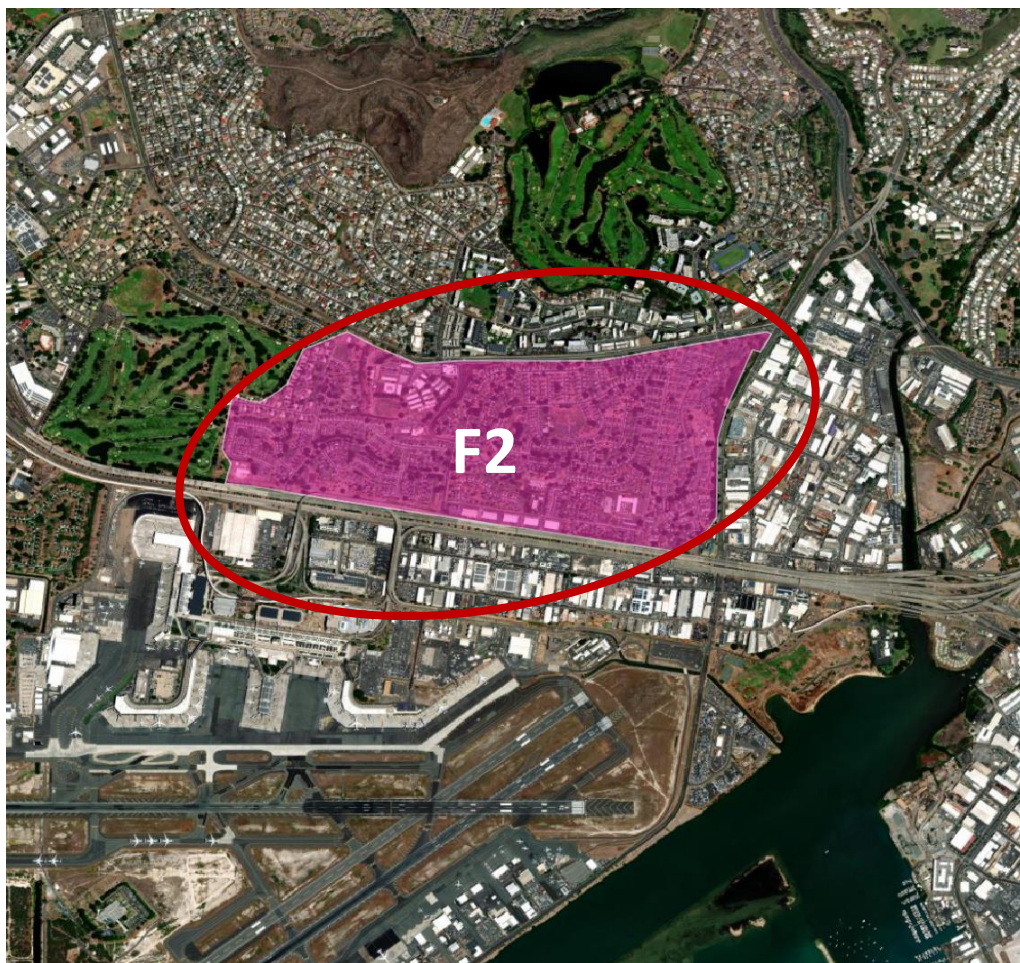


Interagency Drinking Water System Team

Drinking Water Distribution System Recovery Plan: *Stage 2 Sampling* *Results for Zone F2*

Joint Base Pearl Harbor-Hickam (JBPHH)

29 January 2022



Neighborhoods included in Zone F2: Catlin Park, Doris Miller Park, Halsey Terrace, Maloelap, and Radford Terrace

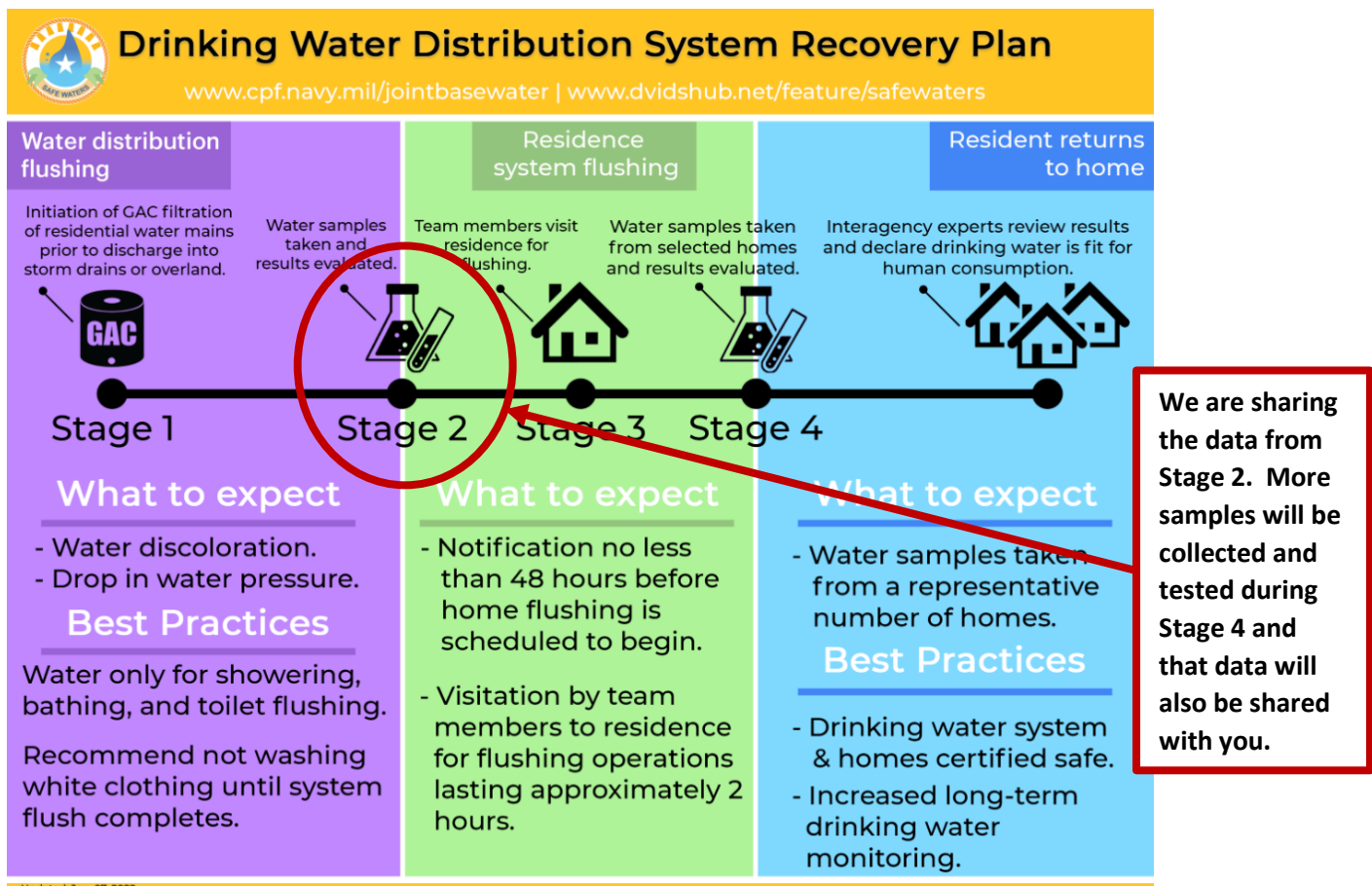


EXECUTIVE SUMMARY FOR ZONE F2

The State of Hawaii Department of Health's (DOH) November 29, 2021 [Public Health Advisory for the JPBHH Public Water System](#) for Zone F2 remains in effect. DOH recommends all Navy water system users should avoid using the water for drinking, cooking, or oral hygiene. This includes consumption by pets. Navy water system users who detect a fuel-like odor from their water should also avoid using the water for bathing, dishwashing or laundry.

We have thoroughly flushed, sampled, and tested the water distribution system lines (Water Mains) in Zone F2. This Zone has moved to Stage 3–Building Flushing/Stage 4–Building Sampling, in the Drinking Water Distribution System Recovery Plan (see the Figure below). Based on the samples collected and tested, to date, this water meets all U.S. Environmental Protection Agency (EPA) and State of Hawaii Department of Health (DOH) standards that are applicable to the Navy Water System Incident.

No final conclusions or recommendations can be made at this time for the drinking water in your zone because more drinking water samples are being collected and tested from Water Mains, residences, buildings, schools, and child development centers (after they have been flushed). We are sharing this information to keep you updated on our progress towards restoring the water supply being provided to your community.



For additional information, please visit: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.



Table 1. Contaminants Detected in Drinking Water Samples Collected from Water Mains in Zone F2

Contaminant	Sampling Date	Units	DOH Project Screening Level	Basis of DOH Screening Level ²	Highest Level Detected	Meets DOH Screening Level? (Yes / No)	Typical Source of Contaminant
Contaminants of Concern¹							
Benzene	01/07/2022	ppb	5	MCL	ND	Yes	Discharge from factories; Leaching from gas storage tanks and landfills
Ethylbenzene	01/07/2022	ppb	700	MCL	ND	Yes	Discharge from petroleum refineries
Toluene	01/07/2022	ppb	1000	MCL	ND	Yes	Discharge from petroleum factories
m,p-Xylenes	01/07/2022	ppb	10000	MCL	ND	Yes	Discharge from petroleum factories; Discharge from chemical factories
o-Xylenes	01/07/2022	ppb	10000	MCL	ND	Yes	
1-Methylnaphthalene	01/07/2022	ppb	2.1	ISP	ND	Yes	Used to make other chemicals such as dyes, and resins; also, present in cigarette smoke, wood smoke, tar, asphalt, and at some hazardous waste sites
2-Methylnaphthalene	01/07/2022	ppb	4.7	ISP	0.00986	Yes	Used to make other chemicals such as dyes, and resins; also used to make vitamin K; and is present in cigarette smoke, wood smoke, tar, asphalt, and at some hazardous waste sites
Naphthalene	01/07/2022	ppb	12	ISP	ND	Yes	Naphthalene is found in coal tar or crude oil and is used in the manufacture of plastics, resins, fuels, and dyes, and as a fumigant
Lead	01/07/2022	ppb	15	ISP	0.387	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Total Petroleum Hydrocarbons (TPH)-Gasoline (C6-C12)	01/07/2022	ppb	200	ISP	ND	Yes	Gasoline is a petroleum product that can contaminate drinking water through spills and other releases into the environment
TPH-Diesel (C9-C25)	01/07/2022	ppb	200	ISP	ND	Yes	Diesel is a petroleum product that can contaminate drinking water through spills and other releases into the environment
TPH-Oil (C24-C40)	01/07/2022	ppb	200	ISP	ND	Yes	Oil is a petroleum product that can contaminate drinking water through spills and other releases into the environment
Total Organic Carbon (TOC)	01/07/2022	ppb	2000	ISP	ND	Yes	Naturally present in the environment, but also can be an indicator of contamination, including petroleum or other sources

JBPHH – Interagency Drinking Water System Team



Contaminant	Sampling Date	Units	DOH Project Screening Level	Basis of DOH Screening Level ²	Highest Level Detected	Meets DOH Screening Level? (Yes / No)	Typical Source of Contaminant
Metals							
Barium	01/07/2022	ppb	2000	MCL	2.85	Yes	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	01/07/2022	ppb	100	MCL	1.46	Yes	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; Runoff from waste batteries and paints
Copper	01/07/2022	ppb	1300	AL	6.44	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Selenium	01/07/2022	ppb	50	MCL	0.0703	Yes	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Volatile Organic Compounds							
Total Trihalomethanes (TTHM)	01/07/2022	ppb	80	MCL	0.54	Yes	By-product of drinking water disinfection
Synthetic Organic Compounds (SOCs) or Semi-Volatile Organic Compounds (SVOCs)							
Bis(2-Chloroethyl)ether	01/06/2022	ppb	0.014	EAL	1.6	No ⁵	Man-made intermediate chemical used in other compounds or pesticides; It can also be used as a solvent, cleaner, component of paint and varnish, and rust inhibitor; Enters the environment as the result of manufacture and use

Notes:

1. These contaminants are listed whether detected or non-detected (ND) because these are incident specific. All other contaminants are only listed if detected.
2. DOH uses multiple criteria to assess the safety of the drinking water including maximum contaminant levels (MCLs) previously established environmental action levels (EALs) and incident specific parameters (ISPs).
3. Acronyms and explanation of terms used in this table are presented on the following pages. For assistance in understanding and interpreting information in this table, refer to FACT SHEET, Understanding You Water Quality Summary Table, available online at: <https://www.cdf.navy.mil/JBPHH-Water-Updates/>.
4. For more information regarding Total Petroleum Hydrocarbons, refer to the FACT SHEET What Are Petroleum Hydrocarbons?, available online at: https://health.hawaii.gov/about/files/2021/12/21.12.16_What-Are-Petroleum-Hydrocarbons.pdf.
5. In addition to testing drinking water for contaminants regulated under the Safe Drinking Water Act, we also tested for some contaminants that are not regulated. Unregulated contaminants do not have legal limits for drinking water (i.e., they do not have MCLs) but may have a screening level (e.g., Tier 1 EAL). Tier 1 EALs are concentrations of contaminants in drinking water and other media (e.g., soil, soil gas, and groundwater) below which the contaminants are assumed to not pose a significant threat to human health or the environment. Exceeding the Tier 1 EAL does not necessarily indicate that contamination at the site poses environmental hazards and may be set at levels that are impossible for water systems to meet (for example, large-scale treatment technology may not exist for a given contaminant). Per DOH's 12/30/2021 DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory, if the Tier 1 EAL is exceeded, the Navy shall investigate the source(s) of the contamination under direction of the DOH. The DOH EAL is based on the EPA tapwater Regional Screening Level for Bis(2-

<https://www.atsdr.cdc.gov/toxprofiles/tp127.pdf>.



Drinking Water Distribution System Recovery Plan: Stage 2 Sampling Results for Zone F2

What is the purpose of this Stage 2 Sampling Results Report?

This is a progress report and presents the testing results from drinking water distribution system samples that have been collected, to date, from the water distribution system lines (Water Mains) in your Zone. These samples were collected after extensive flushing of the distribution system was performed using clean water from the Navy Waiawa Shaft. This is Stage 2 of the 4-Stage process described in the [Drinking Water Distribution System Recovery Plan](#).

No final conclusions or recommendations can be made at this time for the drinking water in your zone because more drinking water samples are being collected and tested from Water Mains, residences, buildings, schools, and child development centers. We are sharing this information to keep you updated on our progress towards restoring the water supply being provided to your community.

What was found?

The table presented above (Table 1) presents all contaminants that were detected in drinking water samples that have been collected, to date, from the Water Mains in your Zone during Stage 2. Hawaii DOH used multiple standards/criteria (called DOH Project Screening Levels) to assess the safety of the drinking water to include:

- EPA and Hawaii DOH Maximum Contaminant Levels (MCLs) standards for drinking water,
- Previously established Environmental Action Levels (EALs); and
- Incident Specific Parameters (ISPs).

Based on these data, this Zone moved to Stage 3–Building/Home Flushing, in the [Drinking Water Distribution System Recovery Plan](#).

What contaminants were tested?

Drinking water, including bottled water, can contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants tested can be obtained by calling the Hawaii DOH Safe Drinking Water Branch at 808-586-4258.

In order to ensure that drinking water is safe to drink, EPA and Hawaii DOH regulate the amount of certain contaminants in water provided by public water systems. The primary categories of monitored contaminants include volatile organic compounds (VOCs), synthetic organic chemicals (SOCs)/semi-volatile organic compounds (SVOCs), metals, Total Petroleum Hydrocarbons (TPH), Total Organic Carbon (TOC) chlorine and pH. A description of these contaminant categories can be found under Explanation of Terms located at the end of this report. The full list of contaminants that were tested for are



presented in the laboratory reports are located at: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.

What happened leading up to Public Health Advisory being issued?

After receiving reports of a fuel-like smell or visual sheen in the drinking water from residents of Joint Base Pearl Harbor – Hickam (JBPHH) on November 28, 2021, the Navy immediately stopped using water from the Red Hill Shaft. Out of abundance of caution, the Navy also stopped using water from the Navy Aiea Halawa Shaft. The Navy's water system provides drinking water to JBPHH, including the Army, Air Force, Marine Corps, and Hawaii residents in some neighborhoods close to JBPHH. The Hawaii DOH issued a [Public Health Advisory on November 29, 2021](#). The Hawaii DOH, the United States Environmental Protection Agency (EPA), Navy, and Marine Corps Public Health Center, and Army formed the Interagency Drinking Water System Team (IDWST) to work on a coordinated effort to restore safe drinking water to all Navy Water System users.

Has the Public Health Advisory been amended or lifted?

No. Please continue to follow the Public Health Advisory for Navy Water System users and only use your drinking water for non-consumptive purposes as long as your water does not have a visible sheen and remains odor free. Your service may have provided more restrictive guidance. As stated above, we are at Stage 2 of the 4-Stage process described in the Drinking Water System Recovery Plan and the Public Health Advisory will be re-evaluated by Hawaii DOH after Stage 4 in the process.

Where does our water come from?

The source of all water for all Navy Water System users now comes only from the Navy Waiawa Shaft, which was not impacted by the release of Jet Fuel (JP-5) that occurred at Red Hill in late November 2021. The Waiawa Shaft has been sampled and EPA and DOH confirmed that it meets all federal and state drinking water standards and it will continue to be sampled in accordance with EPHA and DOH requirements.

What is the IDWST doing to clean the drinking water distribution system?

The IDWST evaluated multiple options for cleaning the Navy drinking water distribution system and determined that high-volume flushing of the Navy drinking water distribution system (all water mains/laterals/buildings) with 3 to 5 volumes of clean water from the Waiawa Shaft, followed by extensive testing to confirm that flushing worked, would restore safe drinking water to all Navy Water System users.

When was Water Main flushing conducted in Zone F2?

The final round of distribution water main flushing in Zone F2 was completed on January 05, 2022.



How much water was flushed through the water distribution system in Zone F2?

From January 02 – 05, 2022, a total of 1.5 million gallons was flushed through Zone F2.

Where can I get more information about the potential health effects associated with these contaminants?

Hawaii Department of Health (DOH)

<https://health.hawaii.gov/about/navy-water-system-quality-updates/>.

Call the DOH Safe Drinking Water Branch at 808-586-4258

US Environmental Protection Agency (EPA)

<https://www.epa.gov/ground-water-and-drinking-water/forms/online-form-epas-office-ground-water-and-drinking-water>.

Call EPA Region 9's Environmental Information Center at 1-866-372-9378

See the FACT SHEET, Understanding Your Water Quality Summary Table, available online at: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.

Acronyms used in the Table

AL	Action Level (for Lead and Copper)
DOH	Hawaii Department of Health
EAL	Environmental Action Level
EPA	U.S. Environmental Protection Agency
ISP	Incident Specific Parameter
MCL	Maximum Contaminant Level
ND	Non-Detect
ppb	parts per billion (or ug/L)
SDWA	Safe Drinking Water Act
SOCs	Synthetic Organic Compounds (also known as SVOCs)
SVOCs	Semi-Volatile Organic Compounds (same as SOC)
TPH	Total Petroleum Hydrocarbons
TOC	Total Organic Carbon
ug/L	micrograms per liter (or ppb)
VOCs	Volatile Organic Compounds

Explanation of Terms used in this Report

Action Level (AL). This AL is for Lead and Copper. The AL is a measure of the effectiveness of the corrosion control treatment in water systems. The AL is not a standard for establishing a safe level of lead or copper. The AL is the point at which certain provisions of the proposed standards must be initiated.

Contaminant. Contaminant is any physical, chemical, biological, or radiological substance or matter in water, and can be either healthy or unhealthy, depending on the particular substance and concentration. It could also be a physical parameter monitored like pH or temperature.



Incident Specific Parameters (ISP). To more comprehensively monitor and respond to this specific petroleum contamination of drinking water, the DOH identified contaminants that require additional action prior to amending the Health Advisory. The ISP is used as a line of evidence to evaluate the data generated in each Zone during the investigation conducted by the IDWST.

Maximum Contaminant Level (MCL). An MCL is the maximum permissible level of a contaminant in water which is delivered to any user of a public water system. The MCL is set to protect the public from acute and chronic health risks associated with consuming water containing these contaminants.

Metals. Metals are chemicals that are not derived from living sources and in general do not contain carbon. Metals include antimony, arsenic, asbestos, barium, beryllium, cadmium, chromium, copper, cyanide, fluoride, lead, mercury, nitrate, nitrite, selenium, and thallium. These contaminants get into drinking water supplies through industrial discharge or spills, erosion of natural deposits, corrosion, sewage discharge, fertilizer runoff, and other sources.

Project Specific Screening Level. DOH uses multiple criteria to assess the safety of the drinking water including maximum contaminant levels (MCLs), previously established environmental action levels (EALs) and incident specific parameters (ISPs).

Synthetic Organic Compounds (SOCs)/Semi-Volatile Organic Compounds (SVOCs). SOCs and SVOCs may be used interchangeably and are man-made, organic (carbon-based) chemicals that are less volatile than Volatile Organic Contaminants (VOCs). They are used as pesticides, defoliants, fuel additives, and as ingredients for other organic chemicals.

Tier 1 Environmental Action Level (EAL). Tier 1 Environmental Action Levels (Tier 1 EALs) are concentrations of contaminants in drinking water and other media (e.g., soil, soil gas, and groundwater) below which the contaminants are assumed to not pose a significant threat to human health or the environment. Exceeding the Tier 1 EAL does not necessarily indicate that contamination at the site poses environmental hazards but generally warrants additional investigation.

Total Petroleum Hydrocarbons (TPH). TPH is a term used to describe a large family of several hundred chemical compounds that come from crude oil. Crude oil is used to make petroleum products, which can contaminate the environment. TPH is grouped by TPH-Gasoline, TPH-Diesel, and TPH-Oil.

Total Organic Carbon (TOC). TOC is naturally present in the environment, but also can be an indicator of contamination, including petroleum or other sources.

Units. A unit is the concentration of contaminant found in the water. For this report, the units are expressed in U.S. Standard Units.

U.S. Standard Unit (Name)	Acronym	Equivalent International System of Units (Name)	Acronym
parts per million	ppm*	milligrams per Liter	mg/L
parts per billion	ppb*	micrograms per Liter	ug/L

*One (1) part per million (ppm) is 1,000 parts per billion (ppb).

Volatile Organic Compounds (VOCs). VOCs are a class of chemicals that contain carbon and evaporate, or volatilize, easily into air at room temperature. VOCs are found in a variety of commercial, industrial, and residential products, including gasoline, solvents, cleaners and degreasers, paints, inks and dyes, and pesticides.

F2 Zone Distribution Sampling Chemistry Results

Location ID:	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0003	F2-HYD0011	F2-HYD0012	F2-HYD0014	F2-HYD0026
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 2	FH 2	FH 2	FH 3	FH 11	FH 12	FH 14	FH 26
Field Sample ID:	220116-F2-ZT06	220118-F2-XT06	220118-F2-XT07	220116-F2-XT02	220116-F2-XT04	220116-F2-YT07	220116-F2-ZT05	220116-F2-XT01
Sample Date:	2022-01-16	2022-01-18	2022-01-18	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16
Sample Type:	N	N	N	N	N	N	N	N
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: C22A032	SDG: C22A032
GENCHEM (mg/L)	2	0.190 U	0.190 U	0.190 U	2.11	2.50	0.358	2.66
Total Organic Carbon								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 5801093592	SDG: 5801094831	SDG: 5801093591	SDG: 5801093591
HC (µg/L)	200	91.0 UJ	92.0 U	92.0 U	94.0 UJ	91.0 U	91.0 U	92.0 UJ
Petroleum Hydrocarbons (as Diesel)								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
HG (µg/L)	0.025	0.0170 U	0.0170 U	0.0170 U	0.0170 U	0.0170 U	0.0170 U	0.0170 U
Mercury								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	6	0.0889 U	0.0889 U	0.0889 U	0.0889 U	0.0889 U	0.0889 U	0.0889 U
Antimony								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	10	0.207 J	0.320 J	0.377 J	0.289 J	0.214 J	0.162 J	0.227 J
Arsenic								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	220	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U
Barium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	0.66	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U
Beryllium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	3	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U
Cadmium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	11	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U
Chromium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	2.9	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U
Copper								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	15	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U
Lead								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	5	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U
Selenium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	2	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U
Thallium								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	70	70	70	70	70	70	70	70
SVOC (µg/L)								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	70	70	70	70	70	70	70	70
1,2,4-Trichlorobenzene								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	10	10	10	10	10	10	10	10
1,2-Dichlorobenzene								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	None	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
1,3-Dichlorobenzene								
DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
Incident Specific Parameters	Action Levels	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
METAL (µg/L)	None	None	None	None	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
1,3-Dichlorobenzene								

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0047	F2-HYD0047	F2-HYD0047	F2-HYD0213	
Residence:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
Field Sample ID:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 47	FH 47	FH 47	FH 213	
Sample Date:	220116-F2-ZT04	220116-F2-ZT07	220116-F2-VT01	220116-F2-XT03	220116-F2-ZT01	220116-F2-XT05	220118-F2-XT05	220116-F2-YT05		
Sample Type:	N	N	N	N	N	N	N	N	N	

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels						
					SDG: 2A17039	SDG: 2A19062	SDG: C22A032	SDG: 2A17039	SDG: 2A19062	SDG: C22A032
Total Organic Carbon	2	None	None	None	0.190 U	0.190 U	1.67	1.57	0.190 U	1.68

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels						
					SDG: 5801093591	SDG: 5801094831	SDG: 5801093592	SDG: 5801093591	SDG: 5801094831	SDG: 5801093591
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	90.0 U	92.0 U	90.0 UJ	92.0 UJ	95.0 U	89.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	31.0 UJ	31.0 UJ	31.0 UJ	31.0 UJ	31.0 UJ	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	180 U	180 UJ	180 UJ	190 U	180 U

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels						
					SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039
Mercury	0.025	0.025	2	2	0.0170 U	0.0170 U	0.0170 U	0.0170 U	0.0170 U	0.0170 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels						
					SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039
Antimony	6	6	6	6	0.0889 U	0.0889 U	0.0961 J	0.0889 U	0.0889 U	0.0889 U
Arsenic	10	10	10	10	0.247 J	0.365 J	0.226 J	0.202 J	0.321 J	0.251 J
Barium	220	220	2000	2000	4.21	3.16	2.59	2.06	2.70	2.79
Beryllium	0.66	0.66	4	4	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U	0.0624 U
Cadmium	3	3	5	5	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U
Chromium	11	11	100	100	1.51	1.47	1.51	1.44	1.44	1.59
Copper	2.9	2.9	1300	1300	6.97	6.62	8.16	4.88	7.17	3.23
Lead	15	5.6	15	15	1.51	0.410	0.102 J	0.285	0.630	0.353
Selenium	5	5	50	50	0.657	1.56	0.892	0.865	1.55	1.16
Thallium	2	2	2	2	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels						
					SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039
1,2,4-Trichlorobenzene	70	70	70	70	--	--	--	--	--	--
1,2-Dichlorobenzene	10	10	600	600	--	--	--	--	--	--
1,3-Dichlorobenzene	None	None	None	None	--	--	--	--	--	--

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0003	F2-HYD0011	F2-HYD0012	F2-HYD0014	F2-HYD0026
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 2	FH 2	FH 2	FH 2	FH 3	FH 11	FH 12	FH 14	FH 26
Field Sample ID:	220116-F2-ZT06	220118-F2-XT06	220118-F2-XT07	220116-F2-XT02	220116-F2-XT04	220116-F2-XT05	220116-F2-XT07	220116-F2-ZT05	220116-F2-XT01
Sample Date:	2022-01-16	2022-01-18	2022-01-18	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16
Sample Type:	N	N	FD	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	2A17039	2A19062	2A17039	2A19062	2A17039	2A19062	2A17039	2A19062
1,4-Dichlorobenzene	5	5		75	None					--	--	--	--	--	--	--	--
1-Methylnaphthalene	2.1	10		None	None					0.00801 U	0.00801 U	0.00801 U	0.00801 U	0.00801 U	0.00801 U	0.00801 U	
2,4-Dinitrotoluene	None	None		None	None					--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	None	None		None	None					--	--	--	--	--	--	--	--
2-Chloronaphthalene	None	None		None	None					--	--	--	--	--	--	--	--
2-Ethylhexyl adipate	None	None		None	None					0.00962 U	5.00 U	0.00962 U	5.00 U	5.00 U	0.00962 U	0.00962 U	
2-Methylnaphthalene	4.7	10		None	None					0.00904 U	0.00904 U	0.0500 U	0.0500 U	0.0500 U	0.00904 U	0.00904 U	
2-Methylphenol (o-Cresol)	None	None		None	None					--	--	--	--	--	--	--	--
2-Nitroaniline	None	None		None	None					--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	None	None		None	None					--	--	--	--	--	--	--	--
3-Nitroaniline	None	None		None	None					--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	None	None		None	None					--	--	--	--	--	--	--	--
4-Chloroaniline	None	None		None	None					--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	None	None		None	None					--	--	--	--	--	--	--	--
4-Nitroaniline	None	None		None	None					--	--	--	--	--	--	--	--
Acenaphthene	None	None		None	None					--	--	--	--	--	--	--	--
Acenaphthylene	None	None		None	None					--	--	--	--	--	--	--	--
Alachlor	None	None		None	None					0.0110 U	0.0110 U	0.0110 U	0.0110 U	0.0110 U	0.0110 U	0.0110 U	
Anthracene	None	None		None	None					--	--	--	--	--	--	--	--
Atrazine	None	None		None	None					0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	
Benzo(a)anthracene	None	None		None	None					--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06		0.2	0.2					0.0117 UJ	0.0117 U	0.0117 UJ	0.0117 UJ	0.0117 UJ	0.0117 UJ	0.0117 UJ	
Benzo(b)fluoranthene	None	None		None	None					--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	None	None		None	None					--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	None	None		None	None					--	--	--	--	--	--	--	--
Benzyl butyl phthalate	None	None		None	None					--	--	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	None	None		None	None					--	--	--	--	--	--	--	--
Bis(2-chloroethyl) ether (2-Chloroethyl ether)	None	None		None	None					--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	3	3		6	6					0.437 UJ	0.437 U	0.437 UJ	0.437 UJ	0.437 UJ	0.437 UJ	0.437 UJ	
Carbazole	None	None		None	None					--	--	--	--	--	--	--	--
Chlordane	None	None		None	None					0.0669 U	0.0669 U	0.0669 U	0.0669 U	0.0669 U	0.0669 U	0.0669 U	
Chrysene	None	None		None	None					--	--	--	--	--	--	--	--
Cresols, m- & p-	None	None		None	None					--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	None	None		None	None					--	--	--	--	--	--	--	--

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0047	F2-HYD0213			
Residence:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant			
Field Sample ID:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 47	FH 213			
Sample Date:	220116-F2-ZT04	220116-F2-ZT07	220116-F2-VT01	220116-F2-XT03	220116-F2-ZT01	220118-F2-XT05	220116-F2-YT05			
Sample Type:	N	N	N	N	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	SDWB	Regulatory Constituents	Maximum Contaminant Levels	2A17039	2A19062	2A17039	2A19062	2A17039	2A19062
1,4-Dichlorobenzene	5	5		75	None				None	--	--	--	--	--	--
1-Methylnaphthalene	2.1	10		None	None				None	0.00801 U	0.00801 U	0.00801 U	0.00801 U	0.00801 U	0.00801 U
2,4-Dinitrotoluene	None	None		None	None				None	--	--	--	--	--	--
2,6-Dinitrotoluene	None	None		None	None				None	--	--	--	--	--	--
2-Chloronaphthalene	None	None		None	None				None	--	--	--	--	--	--
2-Ethylhexyl adipate	None	None		None	None				None	5.00 U	5.00 U	5.00 U	5.00 U	0.00962 U	0.00962 U
2-Methylnaphthalene	4.7	10		None	None				None	0.0500 U	0.0102 J	0.0500 U	0.00904 U	0.0500 U	0.0500 U
2-Methylphenol (o-Cresol)	None	None		None	None				None	--	--	--	--	--	--
2-Nitroaniline	None	None		None	None				None	--	--	--	--	--	--
3,3'-Dichlorobenzidine	None	None		None	None				None	--	--	--	--	--	--
3-Nitroaniline	None	None		None	None				None	--	--	--	--	--	--
4-Bromophenyl phenyl ether	None	None		None	None				None	--	--	--	--	--	--
4-Chloroaniline	None	None		None	None				None	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	None	None		None	None				None	--	--	--	--	--	--
4-Nitroaniline	None	None		None	None				None	--	--	--	--	--	--
Acenaphthene	None	None		None	None				None	--	--	--	--	--	--
Acenaphthylene	None	None		None	None				None	--	--	--	--	--	--
Alachlor	None	None		None	None				None	0.0110 U	0.0110 U	0.0110 U	0.0110 U	0.0110 U	0.0110 U
Anthracene	None	None		None	None				None	--	--	--	--	--	--
Atrazine	None	None		None	None				None	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U
Benzo(a)anthracene	None	None		None	None				None	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06		0.2	0.2				None	0.0117 UJ	0.0117 UJ	0.0117 UJ	0.0117 UJ	0.0117 UJ	0.0117 UJ
Benzo(b)fluoranthene	None	None		None	None				None	--	--	--	--	--	--
Benzo(g,h,i)perylene	None	None		None	None				None	--	--	--	--	--	--
Benzo(k)fluoranthene	None	None		None	None				None	--	--	--	--	--	--
Benzyl butyl phthalate	None	None		None	None				None	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	None	None		None	None				None	--	--	--	--	--	--
Bis(2-chloroethyl) ether (2-Chloroethyl ether)	None	None		None	None				None	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	3	3		6	6				None	0.437 UJ	0.437 U	0.437 UJ	0.437 U	0.437 UJ	0.437 UJ
Carbazole	None	None		None	None				None	--	--	--	--	--	--
Chlordane	None	None		None	None				None	0.0669 U	0.0669 U	0.0669 U	0.0669 U	0.0669 U	0.0669 U
Chrysene	None	None		None	None				None	--	--	--	--	--	--
Cresols, m- & p-	None	None		None	None				None	--	--	--	--	--	--
Dibenz(a,h)anthracene	None	None		None	None				None	--	--	--	--	--	--

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0520	F2-HYD071A	F2-HYD1443	F2-HYD1443
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 520	FH 71A	FH ID: FH-17	FH ID: FH-17
Field Sample ID:	220116-F2-YT06	220118-F2-XT08	2020106-F2-ZT08	220203F2ZT01
Sample Date:	2022-01-16	2022-01-18	2022-01-06	2022-02-03
Sample Type:	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:	
		Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	2A17039	2A19062	5801090902	5801100371
1,4-Dichlorobenzene	5	5		75	None			--	None	--	0.0410 U	0.0380 U	
1-Methylnaphthalene	2.1	10		None	None			0.00801 U	None	0.00801 U	--	--	
2,4-Dinitrotoluene	None	None		None	None			--	None	--	0.100 U	0.0960 U	
2,6-Dinitrotoluene	None	None		None	None			--	None	--	0.100 U	0.0960 U	
2-Chloronaphthalene	None	None		None	None			--	None	--	0.0720 U	0.0670 U	
2-Ethylhexyl adipate	None	None		None	None			0.00962 U	None	5.00 U	--	--	
2-Methylnaphthalene	4.7	10		None	None			0.00904 U	None	0.0124 J	--	--	
2-Methylphenol (o-Cresol)	None	None		None	None			--	None	--	--	0.0740 J	
2-Nitroaniline	None	None		None	None			--	None	--	0.100 U	0.0960 U	
3,3'-Dichlorobenzidine	None	None		None	None			--	None	--	0.270 U	0.250 U	
3-Nitroaniline	None	None		None	None			--	None	--	0.160 U	0.150 U	
4-Bromophenyl phenyl ether	None	None		None	None			--	None	--	0.0620 U	0.0570 U	
4-Chloroaniline	None	None		None	None			--	None	--	0.610 U	0.570 U	
4-Chlorophenyl phenyl ether	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
4-Nitroaniline	None	None		None	None			--	None	--	0.220 U	0.200 U	
Acenaphthene	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
Acenaphthylene	None	None		None	None			--	None	--	0.0620 U	0.0570 U	
Alachlor	None	None		None	None			0.0110 U	None	0.0110 U	--	--	
Anthracene	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
Atrazine	None	None		None	None			0.00734 U	None	0.00734 U	--	--	
Benzo(a)anthracene	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
Benzo(a)pyrene	0.06	0.06		0.2	0.2			0.0117 UJ	0.2	0.0117 U	0.0410 U	0.0380 U	
Benzo(b)fluoranthene	None	None		None	None			--	None	--	0.0410 U	0.0380 U	
Benzo(g,h,i)perylene	None	None		None	None			--	None	--	0.0410 U	0.0380 U	
Benzo(k)fluoranthene	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
Benzyl butyl phthalate	None	None		None	None			--	None	--	0.280 U	0.260 U	
Bis(2-chloroethoxy)methane	None	None		None	None			--	None	--	0.0510 U	0.0480 U	
Bis(2-chloroethyl) ether (2-Chloroethyl ether)	None	None		None	None			--	None	--	0.0310 U	0.0290 U	
Bis(2-ethylhexyl)phthalate	3	3		6	6			0.437 UJ	6	0.437 U	0.760 U	0.710 U	
Carbazole	None	None		None	None			--	None	--	0.100 U	0.0960 U	
Chlordane	None	None		None	None			0.0669 U	None	0.0669 U	--	--	
Chrysene	None	None		None	None			--	None	--	0.0410 U	0.0380 U	
Cresols, m- & p-	None	None		None	None			--	None	--	--	0.110 J	
Dibenz(a,h)anthracene	None	None		None	None			--	None	--	0.0720 U	0.0670 U	

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0003	F2-HYD0011	F2-HYD0012	F2-HYD0014	F2-HYD0026
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 2	FH 2	FH 2	FH 2	FH 3	FH 11	FH 12	FH 14	FH 26
Field Sample ID:	220116-F2-ZT06	220118-F2-XT06	220118-F2-XT07	220118-F2-XT07	220116-F2-XT02	220116-F2-XT04	220116-F2-YT07	220116-F2-ZT05	220116-F2-XT01
Sample Date:	2022-01-16	2022-01-18	2022-01-18	2022-01-18	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16
Sample Type:	N	N	N	FD	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Regulatory Constituents	Maximum Contaminant Levels	Maximum Contaminant Levels	2A17039	2A19062	2A17039	2A17039	2A17039	2A17039	2A17039	2A17039
Dibenzofuran	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Diethyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Dimethyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
di-n-Octyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Endrin	None	None		None	None	None		None	None	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U
Fluoranthene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Fluorene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None		None	None	None		None	None	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U
Heptachlor	None	None		None	None	None		None	None	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U
Heptachlor epoxide	None	None		None	None	None		None	None	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U
Hexachlorobenzene	0.0003	0.0003		1	1	None		None	None	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U
Hexachlorobutadiene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	50	None		50	50	None		None	None	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U
Hexachloroethane	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Isophorone	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Methoxychlor	None	None		None	None	None		None	None	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U
Naphthalene	12	17		None	None	None		None	None	0.0103 U	0.0103 U	0.0103 U	0.0103 U	0.0103 U	0.0103 U	0.0103 U	0.0103 U
Nitrobenzene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
PCB, Total	None	None		None	None	None		None	None	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U
PCB-1016 (Aroclor 1016)	None	None		None	None	None		None	None	0.0157 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U
PCB-1221 (Aroclor 1221)	None	None		None	None	None		None	None	0.0436 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U
PCB-1232 (Aroclor 1232)	None	None		None	None	None		None	None	0.0102 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U
PCB-1242 (Aroclor 1242)	None	None		None	None	None		None	None	0.0737 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U
PCB-1248 (Aroclor 1248)	None	None		None	None	None		None	None	0.0941 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U
PCB-1254 (Aroclor 1254)	None	None		None	None	None		None	None	0.0869 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U
PCB-1260 (Aroclor 1260)	None	None		None	None	None		None	None	0.0379 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U
Pentachlorophenol	None	None		None	None	None		None	None	1.00 UJ	0.0242 UJ	0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U
Phenanthrene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Pyrene	None	None		None	None	None		None	None	--	--	--	--	--	--	--	--
Simazine	None	None		None	None	None		None	None	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0047	F2-HYD0213			
Residence:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant			
Field Sample ID:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 47	FH 213			
Sample Date:	220116-F2-ZT04	220116-F2-ZT07	220118-F2-XT04	220116-F2-XT03	220116-F2-ZT01	220118-F2-XT05	220116-F2-YT05			
Sample Type:	N	N	N	N	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	SDWB	Regulatory Constituents	Maximum Contaminant Levels	2A17039	2A19062	2A17039	2A19062	2A17039	2A17039
Dibenzofuran	None	None		None	None	None		None	None	--	--	--	--	--	--
Diethyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--
Dimethyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--
Di-n-butyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--
di-n-Octyl phthalate	None	None		None	None	None		None	None	--	--	--	--	--	--
Endrin	None	None		None	None	None		None	None	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U	0.00991 U
Fluoranthene	None	None		None	None	None		None	None	--	--	--	--	--	--
Fluorene	None	None		None	None	None		None	None	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None		None	None	None		None	None	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U	0.00633 U
Heptachlor	None	None		None	None	None		None	None	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U	0.00965 U
Heptachlor epoxide	None	None		None	None	None		None	None	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U	0.0122 U
Hexachlorobenzene	0.0003	0.0003		1	1	None		None	None	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U	0.0980 U
Hexachlorobutadiene	None	None		None	None	None		None	None	--	--	--	--	--	--
Hexachlorocyclopentadiene	50	None		50	50	None		None	None	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U	0.00594 U
Hexachloroethane	None	None		None	None	None		None	None	--	--	--	--	--	--
Indeno(1,2,3-c,d)pyrene	None	None		None	None	None		None	None	--	--	--	--	--	--
Isophorone	None	None		None	None	None		None	None	--	--	--	--	--	--
Methoxychlor	None	None		None	None	None		None	None	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U	0.00863 U
Naphthalene	12	17		None	None	None		None	None	0.0103 U	0.0165 J	0.0103 U	0.0122 J	0.0103 U	0.0103 U
Nitrobenzene	None	None		None	None	None		None	None	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	None	None		None	None	None		None	None	--	--	--	--	--	--
N-Nitrosodiphenylamine	None	None		None	None	None		None	None	--	--	--	--	--	--
PCB, Total	None	None		None	None	None		None	None	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U	0.0940 U
PCB-1016 (Aroclor 1016)	None	None		None	None	None		None	None	0.100 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U	0.0157 U
PCB-1221 (Aroclor 1221)	None	None		None	None	None		None	None	0.100 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U	0.0436 U
PCB-1232 (Aroclor 1232)	None	None		None	None	None		None	None	0.100 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U	0.0102 U
PCB-1242 (Aroclor 1242)	None	None		None	None	None		None	None	0.100 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U	0.0737 U
PCB-1248 (Aroclor 1248)	None	None		None	None	None		None	None	0.100 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U	0.0941 U
PCB-1254 (Aroclor 1254)	None	None		None	None	None		None	None	0.100 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U	0.0869 U
PCB-1260 (Aroclor 1260)	None	None		None	None	None		None	None	0.100 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U	0.0379 U
Pentachlorophenol	None	None		None	None	None		None	None	0.0242 U	1.00 UJ	0.0242 U	1.00 UJ	0.0242 U	0.0242 U
Phenanthrene	None	None		None	None	None		None	None	--	--	--	--	--	--
Pyrene	None	None		None	None	None		None	None	--	--	--	--	--	--
Simazine	None	None		None	None	None		None	None	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U	0.00734 U

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0520	F2-HYD071A	F2-HYD1443	F2-HYD1443
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 520	FH 71A	FH ID: FH-17	FH ID: FH-17
Field Sample ID:	220116-F2-YT06	220118-F2-XT08	20220106-F2-ZT08	220203F2ZT01
Sample Date:	2022-01-16	2022-01-18	2022-01-06	2022-02-03
Sample Type:	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		SDG:	
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	SDG: 2A17039	SDG: 2A19062	SDG: 5801090902
Dibenzofuran	None	None	None	None	--	--	0.100 U
Diethyl phthalate	None	None	None	None	--	--	0.150 U
Dimethyl phthalate	None	None	None	None	--	--	0.0620 U
Di-n-butyl phthalate	None	None	None	None	--	--	0.200 U
di-n-Octyl phthalate	None	None	None	None	--	--	0.130 U
Endrin	None	None	None	None	0.00991 U	0.00991 U	--
Fluoranthene	None	None	None	None	--	--	0.0620 U
Fluorene	None	None	None	None	--	--	0.0510 U
gamma-BHC (Lindane)	None	None	None	None	0.00633 U	0.00633 U	--
Heptachlor	None	None	None	None	0.00965 U	0.00965 U	--
Heptachlor epoxide	None	None	None	None	0.0122 U	0.0122 U	--
Hexachlorobenzene	0.0003	0.0003	1	1	0.0980 U	0.0980 U	0.0410 U
Hexachlorobutadiene	None	None	None	None	--	--	0.0620 U
Hexachlorocyclopentadiene	50	None	50	50	0.00594 U	0.00594 U	0.140 U
Hexachloroethane	None	None	None	None	--	--	0.0510 U
Indeno(1,2,3-c,d)pyrene	None	None	None	None	--	--	0.130 U
Isophorone	None	None	None	None	--	--	0.100 U
Methoxychlor	None	None	None	None	0.00863 U	0.00863 U	--
Naphthalene	12	17	None	None	0.0103 U	0.0177 J	0.160 U
Nitrobenzene	None	None	None	None	--	--	0.0410 U
N-Nitrosodi-n-propylamine	None	None	None	None	--	--	0.0620 U
N-Nitrosodiphenylamine	None	None	None	None	--	--	0.0720 U
PCB, Total	None	None	None	None	0.0940 U	0.0940 U	--
PCB-1016 (Aroclor 1016)	None	None	None	None	0.0157 U	0.0157 U	--
PCB-1221 (Aroclor 1221)	None	None	None	None	0.0436 U	0.0436 U	--
PCB-1232 (Aroclor 1232)	None	None	None	None	0.0102 U	0.0102 U	--
PCB-1242 (Aroclor 1242)	None	None	None	None	0.0737 U	0.0737 U	--
PCB-1248 (Aroclor 1248)	None	None	None	None	0.0941 U	0.0941 U	--
PCB-1254 (Aroclor 1254)	None	None	None	None	0.0869 U	0.0869 U	--
PCB-1260 (Aroclor 1260)	None	None	None	None	0.0379 U	0.0379 U	--
Pentachlorophenol	None	None	None	None	0.0242 U	1.00 UJ	--
Phenanthrene	None	None	None	None	--	--	0.120 U
Pyrene	None	None	None	None	--	--	0.0410 U
Simazine	None	None	None	None	0.00734 U	0.00734 U	--

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0030	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0047	F2-HYD0213
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 30	FH 31	FH 39	FH 3A	FH 47	FH 47	FH 213
Field Sample ID:	220116-F2-ZT04	220116-F2-ZT07	220116-F2-VT01	220116-F2-XT03	220116-F2-ZT01	220118-F2-XT05	220116-F2-YT05
Sample Date:	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-18	2022-01-16
Sample Type:	N	N	N	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039
VOC (µg/L)	11	11	200	200	0.256 U	0.256 U	0.256 U	0.256 U	0.256 U	0.256 U	0.256 U
1,1,1-Trichloroethane	None	None	None	None	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	5	5	3	5	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U
1,1,2-Trichloroethane	None	None	None	None	--	--	--	--	--	--	--
1,1-Dichloroethane	7	7	7	7	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U
1,1-Dichloroethene	70	70	70	70	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U
1,2,4-Trichlorobenzene	10	10	600	600	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U
1,2-Dichlorobenzene	5	5	5	5	0.243 U	0.243 U	0.243 U	0.243 U	0.243 U	0.243 U	0.243 U
1,2-Dichloroethane	None	None	None	None	--	--	--	--	--	--	--
1,2-Dichloroethene	5	5	5	5	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U
1,2-Dichloropropane	5	5	75	None	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U
1,4-Dichlorobenzene	None	None	None	None	--	--	--	--	--	--	--
2-Butanone (MEK)	None	None	None	None	--	--	--	--	--	--	--
2-Hexanone	None	None	None	None	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	None	None	None	None	--	--	--	--	--	--	--
Acetone	None	None	None	None	--	--	--	--	--	--	--
Benzene	5	5	5	5	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U
Bromodichloromethane	None	None	None	None	--	--	--	--	--	--	--
Bromoform	None	None	None	None	--	--	--	--	--	--	--
Bromomethane	None	None	None	None	--	--	--	--	--	--	--
Carbon disulfide	None	None	None	None	--	--	--	--	--	--	--
Carbon Tetrachloride	5	5	5	5	0.270 U	0.270 U	0.270 U	0.270 U	0.270 U	0.270 U	0.270 U
Chlorobenzene	25	25	100	100	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U
Chloroethane	None	None	None	None	--	--	--	--	--	--	--
Chloroform	None	None	None	None	--	--	--	--	--	--	--
Chlbrmethane	None	None	None	None	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	70	70	70	70	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
cis-1,3-Dichloropropene	None	None	None	None	--	--	--	--	--	--	--
Dibromochloromethane	None	None	None	None	--	--	--	--	--	--	--
Ethylbenzene	700	7.3	700	700	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U
m,p-Xylene	10000	13	None	None	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Methylene chloride	5	5	5	5	0.303 U	0.303 U	0.303 U	0.303 U	0.303 U	0.303 U	0.303 U
o-Xylene	10000	13	None	None	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Styrene	10	10	100	100	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U
Tetrachloroethene (PCE)	5	5	5	5	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0520	F2-HYD071A	F2-HYD1443	F2-HYD1443
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 520	FH 71A	FH ID: FH-17	FH ID: FH-17
Field Sample ID:	220116-F2-YT06	220118-F2-XT08	2020106-F2-ZT08	220203F2ZT01
Sample Date:	2022-01-16	2022-01-18	2022-01-06	2022-02-03
Sample Type:	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A17039	SDG: 2A19062	SDG: 5801090902
VOC (µg/L)		Action Levels					
1,1,1-Trichloroethane	11	11	200	200	0.256 U	0.256 U	--
1,1,2,2-Tetrachloroethane	None	None	None	None	--	--	0.520 U
1,1,2-Trichloroethane	5	5	3	5	0.190 U	0.190 U	0.240 U
1,1-Dichloroethane	None	None	None	None	--	--	0.220 U
1,1-Dichloroethene	7	7	7	7	0.160 U	0.160 U	0.280 U
1,2,4-Trichlorobenzene	70	70	70	70	0.170 U	0.170 U	--
1,2-Dichlorobenzene	10	10	600	600	0.190 U	0.190 U	--
1,2-Dichloroethane	5	5	5	5	0.243 U	0.243 U	0.420 U
1,2-Dichloroethene	None	None	None	None	--	--	0.390 U
1,2-Dichloropropane	5	5	5	5	0.130 U	0.130 U	0.180 U
1,4-Dichlorobenzene	5	5	75	None	0.180 U	0.180 U	--
2-Butanone (MEK)	None	None	None	None	--	--	4.70 U
2-Hexanone	None	None	None	None	--	--	4.00 U
4-Methyl-2-pentanone (MIBK)	None	None	None	None	--	--	2.50 U
Acetone	None	None	None	None	--	--	3.20 U
Benzene	5	5	5	5	0.150 U	0.150 U	0.240 U
Bromodichloromethane	None	None	None	None	--	--	0.290 U
Bromoform	None	None	None	None	--	--	0.580 J
Bromomethane	None	None	None	None	--	--	0.210 U
Carbon disulfide	None	None	None	None	--	--	0.530 U
Carbon Tetrachloride	5	5	5	5	0.270 U	0.270 U	0.300 U
Chlorobenzene	25	25	100	100	0.150 U	0.150 U	0.440 U
Chloroethane	None	None	None	None	--	--	0.350 U
Chloroform	None	None	None	None	--	--	0.260 U
Chlromethane	None	None	None	None	--	--	0.280 U
cis-1,2-Dichloroethene	70	70	70	70	0.250 U	0.250 U	0.350 U
cis-1,3-Dichloropropene	None	None	None	None	--	--	0.200 U
Dibromochloromethane	None	None	None	None	--	--	0.430 U
Ethylbenzene	700	7.3	700	700	0.210 U	0.210 U	0.500 U
m,p-Xylene	10000	13	None	None	0.330 U	0.330 U	0.530 U
Methylene chloride	5	5	5	5	0.303 U	0.303 U	1.40 U
o-Xylene	10000	13	None	None	0.200 U	0.200 U	0.390 U
Styrene	10	10	100	100	0.190 U	0.190 U	0.530 U
Tetrachloroethene (PCE)	5	5	5	5	0.180 U	0.180 U	0.410 U

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:										
Field Sample ID:	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0002	F2-HYD0003	F2-HYD0011	F2-HYD0012	F2-HYD0014	F2-HYD0026
Sample Date:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Sample Type:	FH 2	FH 2	FH 2	FH 2	FH 2	FH 3	FH 11	FH 12	FH 14	FH 26
	220116-F2-ZT06	220118-F2-XT06	220118-F2-XT07	220118-F2-XT07	220116-F2-XT02	220116-F2-XT04	220116-F2-XT07	220116-F2-ZT05	220116-F2-XT01	
	2022-01-16	2022-01-18	2022-01-18	2022-01-18	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16
	N	N	N	FD	N	N	N	N	N	N

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		SDG: 2A17039	SDG: 2A19062	SDG: 2A17039	SDG: 2A17039	SDG: 2A17039	SDG: 2A17039
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels							
Toluene	1000	9.8	1000	1000		0.294 U	0.294 U	0.294 U	0.294 U	0.294 U	0.294 U
trans-1,2-Dichloroethene	100	100	100	100		0.259 U	0.259 U	0.259 U	0.259 U	0.259 U	0.259 U
trans-1,3-Dichloropropene	None	None	None	None		--	--	--	--	--	--
Trichloroethene (TCE)	5	5	5	5		0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U
Vinyl chloride	2	2	2	2		0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U
Xylenes, Total	10000	13	10000	10000		--	--	--	--	--	--

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH MCL
Results in blue font also exceed the EPA MCL

µg/L = Micrograms per Liter

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:										
Field Sample ID:	F2-HYD0030	F2-HYD0031	F2-HYD0031	F2-HYD0031	F2-HYD0039	F2-HYD003A	F2-HYD0047	F2-HYD0047	F2-HYD0213	
Sample Date:	Hydrant FH 30	Hydrant FH 31	Hydrant FH 31	Hydrant FH 31	Hydrant FH 39	Hydrant FH 3A	Hydrant FH 47	Hydrant FH 47	Hydrant FH 213	
Sample Type:	220116-F2-ZT04	220116-F2-ZT07	220116-F2-ZT04	220118-F2-XT04	220116-F2-VT01	220116-F2-XT03	220116-F2-ZT01	220118-F2-XT05	220116-F2-YT05	
	2022-01-16	2022-01-16	2022-01-18	2022-01-18	2022-01-16	2022-01-16	2022-01-16	2022-01-18	2022-01-16	
	N	N	N	N	N	N	N	N	N	

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels	2A17039	2A17039	2A19062	2A17039	2A19062	2A17039
Toluene	1000		9.8	1000	1000	1000	1000	1000	1000	0.294 U	0.294 U	0.294 U	0.294 U	0.294 U	0.294 U
trans-1,2-Dichloroethene	100		100	100	100	100	100	100	100	0.259 U	0.259 U	0.259 U	0.259 U	0.259 U	0.259 U
trans-1,3-Dichloropropene	None		None	None	None	None	None	None	None	--	--	--	--	--	--
Trichloroethene (TCE)	5		5	5	5	5	5	5	5	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U
Vinyl chloride	2		2	2	2	2	2	2	2	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U
Xylenes, Total	10000		13	10000	10000	10000	10000	10000	10000	--	--	--	--	--	--

F2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HYD0520	F2-HYD071A	F2-HYD1443	F2-HYD1443
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH 520	FH 71A	FH ID: FH-17	FH ID: FH-17
Field Sample ID:	220116-F2-YT06	220118-F2-XT08	20220106-F2-ZT08	220203F2ZT01
Sample Date:	2022-01-16	2022-01-18	2022-01-06	2022-02-03
Sample Type:	N	N	N	N

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		SDG:	
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	SDG: 2A17039	SDG: 2A19062	SDG: 5801090902
Toluene	1000	9.8	1000	1000	0.294 U	0.294 U	0.390 U
trans-1,2-Dichloroethene	100	100	100	100	0.259 U	0.259 U	0.390 U
trans-1,3-Dichloropropene	None	None	None	None	--	--	0.410 U
Trichloroethene (TCE)	5	5	5	5	0.180 U	0.180 U	0.260 U
Vinyl chloride	2	2	2	2	0.180 U	0.180 U	0.220 U
Xylenes, Total	10000	13	10000	10000	--	--	0.530 U

ANALYTICAL REPORT

Eurofins Seattle
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Tel: (253)922-2310

Laboratory Job ID: 580-109090-2
Client Project/Site: Red Hill CV22FO106

For:
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813

Attn: Margie F Pascua



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Job ID: 580-109090-2

Laboratory: Eurofins Seattle

Narrative

02/07/2022: The report has been revised to report the 8270E analyte Bis(2-chloroethyl)ether as ND after further review of the data. Samples were initially reported to contain Bis(2-chloroethyl)ether above the reporting limit. Upon further review, these results do contain ions 93 and 95 in adequate ratios and at a satisfactory retention time; however, the results do not contain ion 63 at an adequate ratio, nor does the overall fragmentation pattern match that of Bis(2-chloroethyl)ether. Therefore, these detections have been identified as false positives and the status of Bis(2-chloroethyl)ether has been revised as non-detect.

02/08/2022: Report was revised to split out samples from two different zones that were originally logged in together.

Job Narrative 580-109090-2

Comments

No additional comments.

Receipt

The samples were received on 1/8/2022 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.6° C and -0.3° C.

GC/MS VOA

Methods 8260/CALUFT DOD, 8260B/CA_LUFTMS: Internal standard recovery is low in the method blank. This creates a high bias that results in a high recovery of the surrogate. Method blank is non detect, therefore data have been reported. (MB 580-377913/7)

Method 8260B/CA_LUFTMS: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-377913 recovered outside control limits for the following analytes: Gasoline Range Organics (C6-C12). The individual recoveries of both the LCS and LCSD met the acceptance criteria.

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-377858 recovered outside control limits for the following analytes: 1,2-Dichloroethene, Total. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: Internal standard is low and surrogate recovery is high (due to low IS) in the method blank, laboratory control sample, and duplicate associated with samples 20220106-F2-ZT07 (580-109090-3), 20220106-F2-ZT08 (580-109090-4) and (MB 580-377858/7). Method blank is non detect for all analytes and IS recovery is acceptable in the samples, therefore data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-377820 recovered above the upper control limit for Chloromethane, Vinyl chloride, Acetone, Ethyl Chloride and Carbon disulfide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 20220106-F2-ZT07 (580-109090-3), 20220106-F2-ZT08 (580-109090-4) and (CCVIS 580-377820/2).

Method 8260D: The laboratory control sample (LCS) for analytical batch 580-377820 recovered outside control limits for the following analytes: Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: Surrogate recovery was outside control limits for the following sample: 20220106-F2-ZT07 (580-109090-3), 20220106-F2-ZT08 (580-109090-4) and (MB 580-377820/6). 4-Bromofluorobenzene (Surr) failed low. The analyte associated with the surrogate is not reported from this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270E: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-377876 was outside criteria for the following analytes: N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8270E: The laboratory control sample (LCS) for preparation batch 580-377860 and analytical batch 580-377876 recovered outside

Case Narrative

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Job ID: 580-109090-2 (Continued)

Laboratory: Eurofins Seattle (Continued)

control limits for the following analytes: Pentachlorophenol. This analyte has been identified as a poor-performing compound; results for this analyte have been qualified and reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-377860 and analytical batch 580-377876 recovered outside control limits for several analytes. The individual recoveries of both the LCS and LCSD met the acceptance criteria.

Method 8270E: Surrogate 2-Fluorophenol (Surr) and Phenol-d5 (Surr) recovery for the following samples was outside control limits: 20220106-F2-ZT08 (580-109090-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Methods 3510C, CWA_Prep: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-377860. Laboratory control sample/laboratory control sample duplicate were created and substituted for MS/MSD/DUP.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-377861. Laboratory control sample/laboratory control sample duplicate were created and substituted for MS/MSD/DUP.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

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Definitions/Glossary

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT07

Lab Sample ID: 580-109090-3

Date Collected: 01/06/22 18:25

Matrix: Water

Date Received: 01/08/22 11:00

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	31	U *1	100	31	ug/L			01/09/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		78 - 120					01/09/22 22:56	1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	0.39	U *+	1.0	0.39	ug/L			01/09/22 22:56	1
1,1,2,2-Tetrachloroethane	0.52	U	1.0	0.52	ug/L			01/09/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		85 - 114					01/09/22 22:56	1
Dibromofluoromethane (Surr)	104		80 - 119					01/09/22 22:56	1
1,2-Dichloroethane-d4 (Surr)	103		81 - 118					01/09/22 22:56	1
Toluene-d8 (Surr)	100		89 - 112					01/09/22 22:56	1

Method: 8260D - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	U	15	3.2	ug/L			01/08/22 21:20	1
Benzene	0.24	U	1.0	0.24	ug/L			01/08/22 21:20	1
Bromodichloromethane	0.29	U	1.0	0.29	ug/L			01/08/22 21:20	1
Bromoform	0.51	U	1.0	0.51	ug/L			01/08/22 21:20	1
Bromomethane	0.21	U	1.0	0.21	ug/L			01/08/22 21:20	1
Carbon disulfide	0.53	U	1.0	0.53	ug/L			01/08/22 21:20	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			01/08/22 21:20	1
Chlorobenzene	0.44	U	1.0	0.44	ug/L			01/08/22 21:20	1
Chloroform	0.26	U	1.0	0.26	ug/L			01/08/22 21:20	1
Chloromethane	0.28	U *+	1.0	0.28	ug/L			01/08/22 21:20	1
cis-1,2-Dichloroethene	0.35	U	1.0	0.35	ug/L			01/08/22 21:20	1
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			01/08/22 21:20	1
Dibromochloromethane	0.43	U	1.0	0.43	ug/L			01/08/22 21:20	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/08/22 21:20	1
1,2-Dichloroethane	0.42	U	1.0	0.42	ug/L			01/08/22 21:20	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			01/08/22 21:20	1
Dichloromethane	1.4	U	3.0	1.4	ug/L			01/08/22 21:20	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/08/22 21:20	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/08/22 21:20	1
Ethyl Chloride	0.35	U	1.0	0.35	ug/L			01/08/22 21:20	1
2-Hexanone	4.0	U	15	4.0	ug/L			01/08/22 21:20	1
Methyl Ethyl Ketone	4.7	U	15	4.7	ug/L			01/08/22 21:20	1
Methyl isobutyl ketone (MIBK)	2.5	U	5.0	2.5	ug/L			01/08/22 21:20	1
m-Xylene & p-Xylene	0.53	U	2.0	0.53	ug/L			01/08/22 21:20	1
o-Xylene	0.39	U	1.0	0.39	ug/L			01/08/22 21:20	1
Styrene	0.53	U	1.0	0.53	ug/L			01/08/22 21:20	1
Tetrachloroethene	0.41	U	1.0	0.41	ug/L			01/08/22 21:20	1
Toluene	0.39	U	1.0	0.39	ug/L			01/08/22 21:20	1
trans-1,2-Dichloroethene	0.39	U	1.0	0.39	ug/L			01/08/22 21:20	1
trans-1,3-Dichloropropene	0.41	U	1.0	0.41	ug/L			01/08/22 21:20	1
1,1,1-Trichloroethane	0.39	U	1.0	0.39	ug/L			01/08/22 21:20	1
1,1,2-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/08/22 21:20	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT07

Lab Sample ID: 580-109090-3

Date Collected: 01/06/22 18:25

Matrix: Water

Date Received: 01/08/22 11:00

Method: 8260D - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.26	U	1.0	0.26	ug/L			01/08/22 21:20	1
Vinyl chloride	0.22	U *+	1.0	0.22	ug/L			01/08/22 21:20	1
Xylenes, Total	0.53	U	2.0	0.53	ug/L			01/08/22 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80	S1-	85 - 114		01/08/22 21:20	1
Dibromofluoromethane (Surr)	105		80 - 119		01/08/22 21:20	1
1,2-Dichloroethane-d4 (Surr)	115		81 - 118		01/08/22 21:20	1
Toluene-d8 (Surr)	105		89 - 112		01/08/22 21:20	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT08

Lab Sample ID: 580-109090-4

Date Collected: 01/06/22 18:30

Matrix: Water

Date Received: 01/08/22 11:00

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	31	U *1	100	31	ug/L			01/09/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		78 - 120					01/09/22 23:20	1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	0.39	U *+	1.0	0.39	ug/L			01/09/22 23:20	1
1,1,2,2-Tetrachloroethane	0.52	U	1.0	0.52	ug/L			01/09/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		85 - 114					01/09/22 23:20	1
Dibromofluoromethane (Surr)	106		80 - 119					01/09/22 23:20	1
1,2-Dichloroethane-d4 (Surr)	105		81 - 118					01/09/22 23:20	1
Toluene-d8 (Surr)	100		89 - 112					01/09/22 23:20	1

Method: 8260D - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	U	15	3.2	ug/L			01/08/22 21:44	1
Benzene	0.24	U	1.0	0.24	ug/L			01/08/22 21:44	1
Bromodichloromethane	0.29	U	1.0	0.29	ug/L			01/08/22 21:44	1
Bromoform	0.58	J	1.0	0.51	ug/L			01/08/22 21:44	1
Bromomethane	0.21	U	1.0	0.21	ug/L			01/08/22 21:44	1
Carbon disulfide	0.53	U	1.0	0.53	ug/L			01/08/22 21:44	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			01/08/22 21:44	1
Chlorobenzene	0.44	U	1.0	0.44	ug/L			01/08/22 21:44	1
Chloroform	0.26	U	1.0	0.26	ug/L			01/08/22 21:44	1
Chloromethane	0.28	U *+	1.0	0.28	ug/L			01/08/22 21:44	1
cis-1,2-Dichloroethene	0.35	U	1.0	0.35	ug/L			01/08/22 21:44	1
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			01/08/22 21:44	1
Dibromochloromethane	0.43	U	1.0	0.43	ug/L			01/08/22 21:44	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/08/22 21:44	1
1,2-Dichloroethane	0.42	U	1.0	0.42	ug/L			01/08/22 21:44	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			01/08/22 21:44	1
Dichloromethane	1.4	U	3.0	1.4	ug/L			01/08/22 21:44	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/08/22 21:44	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/08/22 21:44	1
Ethyl Chloride	0.35	U	1.0	0.35	ug/L			01/08/22 21:44	1
2-Hexanone	4.0	U	15	4.0	ug/L			01/08/22 21:44	1
Methyl Ethyl Ketone	4.7	U	15	4.7	ug/L			01/08/22 21:44	1
Methyl isobutyl ketone (MIBK)	2.5	U	5.0	2.5	ug/L			01/08/22 21:44	1
m-Xylene & p-Xylene	0.53	U	2.0	0.53	ug/L			01/08/22 21:44	1
o-Xylene	0.39	U	1.0	0.39	ug/L			01/08/22 21:44	1
Styrene	0.53	U	1.0	0.53	ug/L			01/08/22 21:44	1
Tetrachloroethene	0.41	U	1.0	0.41	ug/L			01/08/22 21:44	1
Toluene	0.39	U	1.0	0.39	ug/L			01/08/22 21:44	1
trans-1,2-Dichloroethene	0.39	U	1.0	0.39	ug/L			01/08/22 21:44	1
trans-1,3-Dichloropropene	0.41	U	1.0	0.41	ug/L			01/08/22 21:44	1
1,1,1-Trichloroethane	0.39	U	1.0	0.39	ug/L			01/08/22 21:44	1
1,1,2-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/08/22 21:44	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT08

Lab Sample ID: 580-109090-4

Date Collected: 01/06/22 18:30

Matrix: Water

Date Received: 01/08/22 11:00

Method: 8260D - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.26	U	1.0	0.26	ug/L			01/08/22 21:44	1
Vinyl chloride	0.22	U *	1.0	0.22	ug/L			01/08/22 21:44	1
Xylenes, Total	0.53	U	2.0	0.53	ug/L			01/08/22 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79	S1-	85 - 114		01/08/22 21:44	1
Dibromofluoromethane (Surr)	110		80 - 119		01/08/22 21:44	1
1,2-Dichloroethane-d4 (Surr)	111		81 - 118		01/08/22 21:44	1
Toluene-d8 (Surr)	106		89 - 112		01/08/22 21:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.051	U	0.41	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Acenaphthylene	0.062	U *1	1.0	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
Anthracene	0.051	U	1.0	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Benzo[a]anthracene	0.051	U	0.26	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Benzo[a]pyrene	0.041	U	0.26	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
Benzo[b]fluoranthene	0.041	U	0.26	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
Benzo[g,h,i]perylene	0.041	U	0.26	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
Benzo[k]fluoranthene	0.051	U	0.26	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Bis(2-chloroethoxy)methane	0.051	U	0.62	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Bis(2-chloroethyl)ether	0.031	U	0.10	0.031	ug/L		01/09/22 13:22	01/10/22 19:40	1
Bis(2-ethylhexyl) phthalate	0.76	U	3.1	0.76	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Bromophenyl phenyl ether	0.062	U	0.62	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
Butyl benzyl phthalate	0.28	U	4.1	0.28	ug/L		01/09/22 13:22	01/10/22 19:40	1
Carbazole	0.10	U	0.62	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Chloroaniline	0.61	U *1	2.1	0.61	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Chloro-3-methylphenol	0.13	U	0.62	0.13	ug/L		01/09/22 13:22	01/10/22 19:40	1
2-Chloronaphthalene	0.072	U	1.0	0.072	ug/L		01/09/22 13:22	01/10/22 19:40	1
2-Chlorophenol	0.051	U	1.0	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Chlorophenyl phenyl ether	0.051	U	0.62	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Chrysene	0.041	U	0.26	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
Dibenz(a,h)anthracene	0.072	U	0.26	0.072	ug/L		01/09/22 13:22	01/10/22 19:40	1
Dibenzofuran	0.10	U	0.41	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
1,2-Dichlorobenzene	0.051	U	0.41	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
1,3-Dichlorobenzene	0.041	U *1	0.41	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
1,4-Dichlorobenzene	0.041	U	0.41	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
3,3'-Dichlorobenzidine	0.27	U *1	1.0	0.27	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4-Dichlorophenol	0.21	U	1.0	0.21	ug/L		01/09/22 13:22	01/10/22 19:40	1
Diethyl phthalate	0.15	U	1.0	0.15	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4-Dimethylphenol	0.16	U *1	4.1	0.16	ug/L		01/09/22 13:22	01/10/22 19:40	1
Dimethyl phthalate	0.062	U	0.62	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
Di-n-butyl phthalate	0.20	U	3.1	0.20	ug/L		01/09/22 13:22	01/10/22 19:40	1
4,6-Dinitro-2-methylphenol	0.57	U	2.1	0.57	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4-Dinitrophenol	1.6	U	5.1	1.6	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4-Dinitrotoluene	0.10	U	1.0	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,6-Dinitrotoluene	0.10	U	0.41	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
Di-n-octyl phthalate	0.13	U	1.0	0.13	ug/L		01/09/22 13:22	01/10/22 19:40	1
Fluoranthene	0.062	U	0.26	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
Fluorene	0.051	U	0.26	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT08

Lab Sample ID: 580-109090-4

Date Collected: 01/06/22 18:30

Matrix: Water

Date Received: 01/08/22 11:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.041	U	0.62	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
Hexachlorobutadiene	0.062	U *1	1.0	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
Hexachlorocyclopentadiene	0.14	U *1	1.0	0.14	ug/L		01/09/22 13:22	01/10/22 19:40	1
Hexachloroethane	0.051	U *1	1.0	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
Indeno[1,2,3-cd]pyrene	0.13	U	0.41	0.13	ug/L		01/09/22 13:22	01/10/22 19:40	1
Isophorone	0.10	U	0.41	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
2-Methylphenol	0.051	U	0.62	0.051	ug/L		01/09/22 13:22	01/10/22 19:40	1
3 & 4 Methylphenol	0.10	U *1	0.62	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
Naphthalene	0.16	U *1	0.41	0.16	ug/L		01/09/22 13:22	01/10/22 19:40	1
2-Nitroaniline	0.10	U	1.0	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
3-Nitroaniline	0.16	U	3.1	0.16	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Nitroaniline	0.22	U	2.1	0.22	ug/L		01/09/22 13:22	01/10/22 19:40	1
Nitrobenzene	0.041	U	1.0	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		01/09/22 13:22	01/10/22 19:40	1
N-Nitrosodi-n-propylamine	0.062	U	0.41	0.062	ug/L		01/09/22 13:22	01/10/22 19:40	1
N-Nitrosodiphenylamine	0.072	U	1.0	0.072	ug/L		01/09/22 13:22	01/10/22 19:40	1
Pentachlorophenol	0.52	U *1 *	10	0.52	ug/L		01/09/22 13:22	01/10/22 19:40	1
Phenanthrene	0.12	U	1.0	0.12	ug/L		01/09/22 13:22	01/10/22 19:40	1
Phenol	0.37	U *1	1.0	0.37	ug/L		01/09/22 13:22	01/10/22 19:40	1
Pyrene	0.041	U	1.0	0.041	ug/L		01/09/22 13:22	01/10/22 19:40	1
1,2,4-Trichlorobenzene	0.093	U	0.41	0.093	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4,5-Trichlorophenol	0.10	U	0.41	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1
2,4,6-Trichlorophenol	0.10	U	0.62	0.10	ug/L		01/09/22 13:22	01/10/22 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		44 - 119	01/09/22 13:22	01/10/22 19:40	1
2-Fluorophenol (Surr)	11	S1-	19 - 119	01/09/22 13:22	01/10/22 19:40	1
Nitrobenzene-d5 (Surr)	81		44 - 120	01/09/22 13:22	01/10/22 19:40	1
Phenol-d5 (Surr)	0.2	S1-	10 - 120	01/09/22 13:22	01/10/22 19:40	1
Terphenyl-d14	98		50 - 134	01/09/22 13:22	01/10/22 19:40	1
2,4,6-Tribromophenol	75		43 - 140	01/09/22 13:22	01/10/22 19:40	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C25	46	U	56	46	ug/L		01/09/22 13:27	01/10/22 03:40	1
C24-C40	91	U	180	91	ug/L		01/09/22 13:27	01/10/22 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		53 - 120	01/09/22 13:27	01/10/22 03:40	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-377913/7
Matrix: Water
Analysis Batch: 377913

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	31	U *3	100	31	ug/L			01/09/22 15:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	*3 S1+	78 - 120					01/09/22 15:53	1

Lab Sample ID: LCS 580-377913/9
Matrix: Water
Analysis Batch: 377913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C6-C12)	1000	1190		ug/L		119	75 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	123	*3 S1+	78 - 120				

Lab Sample ID: LCSD 580-377913/10
Matrix: Water
Analysis Batch: 377913

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	1000	955	*1	ug/L		95	75 - 127	22	13
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		78 - 120						

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-377820/6
Matrix: Water
Analysis Batch: 377820

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	U	15	3.2	ug/L			01/08/22 17:13	1
Benzene	0.24	U	1.0	0.24	ug/L			01/08/22 17:13	1
Bromodichloromethane	0.29	U	1.0	0.29	ug/L			01/08/22 17:13	1
Bromoform	0.51	U	1.0	0.51	ug/L			01/08/22 17:13	1
Bromomethane	0.21	U	1.0	0.21	ug/L			01/08/22 17:13	1
Carbon disulfide	0.53	U	1.0	0.53	ug/L			01/08/22 17:13	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			01/08/22 17:13	1
Chlorobenzene	0.44	U	1.0	0.44	ug/L			01/08/22 17:13	1
Chloroform	0.26	U	1.0	0.26	ug/L			01/08/22 17:13	1
Chloromethane	0.28	U	1.0	0.28	ug/L			01/08/22 17:13	1
cis-1,2-Dichloroethene	0.35	U	1.0	0.35	ug/L			01/08/22 17:13	1
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			01/08/22 17:13	1
Dibromochloromethane	0.43	U	1.0	0.43	ug/L			01/08/22 17:13	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/08/22 17:13	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-377820/6

Matrix: Water

Analysis Batch: 377820

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.42	U	1.0	0.42	ug/L			01/08/22 17:13	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			01/08/22 17:13	1
Dichloromethane	1.4	U	3.0	1.4	ug/L			01/08/22 17:13	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/08/22 17:13	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/08/22 17:13	1
Ethyl Chloride	0.35	U	1.0	0.35	ug/L			01/08/22 17:13	1
2-Hexanone	4.0	U	15	4.0	ug/L			01/08/22 17:13	1
Methyl Ethyl Ketone	4.7	U	15	4.7	ug/L			01/08/22 17:13	1
Methyl isobutyl ketone (MIBK)	2.5	U	5.0	2.5	ug/L			01/08/22 17:13	1
m-Xylene & p-Xylene	0.53	U	2.0	0.53	ug/L			01/08/22 17:13	1
o-Xylene	0.39	U	1.0	0.39	ug/L			01/08/22 17:13	1
Styrene	0.53	U	1.0	0.53	ug/L			01/08/22 17:13	1
Tetrachloroethene	0.41	U	1.0	0.41	ug/L			01/08/22 17:13	1
Toluene	0.39	U	1.0	0.39	ug/L			01/08/22 17:13	1
trans-1,2-Dichloroethene	0.39	U	1.0	0.39	ug/L			01/08/22 17:13	1
trans-1,3-Dichloropropene	0.41	U	1.0	0.41	ug/L			01/08/22 17:13	1
1,1,1-Trichloroethane	0.39	U	1.0	0.39	ug/L			01/08/22 17:13	1
1,1,2-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/08/22 17:13	1
Trichloroethene	0.26	U	1.0	0.26	ug/L			01/08/22 17:13	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/08/22 17:13	1
Xylenes, Total	0.53	U	2.0	0.53	ug/L			01/08/22 17:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84	S1-	85 - 114		01/08/22 17:13	1
Dibromofluoromethane (Surr)	100		80 - 119		01/08/22 17:13	1
1,2-Dichloroethane-d4 (Surr)	108		81 - 118		01/08/22 17:13	1
Toluene-d8 (Surr)	103		89 - 112		01/08/22 17:13	1

Lab Sample ID: LCS 580-377820/3

Matrix: Water

Analysis Batch: 377820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25.0	31.8		ug/L		127	39 - 160
Benzene	5.00	5.43		ug/L		109	79 - 120
Bromodichloromethane	5.00	5.23		ug/L		105	79 - 125
Bromoform	5.00	5.12		ug/L		102	66 - 130
Bromomethane	5.00	6.17		ug/L		123	53 - 141
Carbon disulfide	5.00	6.12		ug/L		122	64 - 133
Carbon tetrachloride	5.00	4.76		ug/L		95	72 - 136
Chlorobenzene	5.00	5.40		ug/L		108	82 - 118
Chloroform	5.00	5.31		ug/L		106	79 - 124
Chloromethane	5.00	7.42	*+	ug/L		148	50 - 139
cis-1,2-Dichloroethene	5.00	5.21		ug/L		104	78 - 123
cis-1,3-Dichloropropene	5.00	5.23		ug/L		105	75 - 124
Dibromochloromethane	5.00	5.38		ug/L		108	74 - 126
1,1-Dichloroethane	5.00	5.82		ug/L		116	77 - 125
1,2-Dichloroethane	5.00	5.10		ug/L		102	73 - 128

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-377820/3

Matrix: Water

Analysis Batch: 377820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	5.00	5.84		ug/L		117	71 - 131
Dichloromethane	5.00	6.14		ug/L		123	74 - 124
1,2-Dichloropropane	5.00	5.43		ug/L		109	78 - 122
Ethylbenzene	5.00	5.37		ug/L		107	79 - 121
Ethyl Chloride	5.00	6.68		ug/L		134	60 - 138
2-Hexanone	25.0	24.8		ug/L		99	57 - 139
Methyl Ethyl Ketone	25.0	20.9		ug/L		84	56 - 143
Methyl isobutyl ketone (MIBK)	25.0	26.0		ug/L		104	67 - 130
m-Xylene & p-Xylene	5.00	5.70		ug/L		114	80 - 121
o-Xylene	5.00	5.45		ug/L		109	78 - 122
Styrene	5.00	5.23		ug/L		105	78 - 123
Tetrachloroethene	5.00	5.03		ug/L		101	74 - 129
Toluene	5.00	5.70		ug/L		114	80 - 121
trans-1,2-Dichloroethene	5.00	5.08		ug/L		102	75 - 124
trans-1,3-Dichloropropene	5.00	5.52		ug/L		110	73 - 127
1,1,1-Trichloroethane	5.00	5.00		ug/L		100	74 - 131
1,1,2-Trichloroethane	5.00	5.43		ug/L		109	80 - 119
Trichloroethene	5.00	4.19		ug/L		84	79 - 123
Vinyl chloride	5.00	7.06	*+	ug/L		141	58 - 137
Xylenes, Total	10.0	11.2		ug/L		112	79 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		85 - 114
Dibromofluoromethane (Surr)	96		80 - 119
1,2-Dichloroethane-d4 (Surr)	103		81 - 118
Toluene-d8 (Surr)	109		89 - 112

Lab Sample ID: LCSD 580-377820/4

Matrix: Water

Analysis Batch: 377820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	25.0	32.7		ug/L		131	39 - 160	3	20
Benzene	5.00	5.20		ug/L		104	79 - 120	4	20
Bromodichloromethane	5.00	5.11		ug/L		102	79 - 125	2	20
Bromoform	5.00	5.01		ug/L		100	66 - 130	2	20
Bromomethane	5.00	5.76		ug/L		115	53 - 141	7	20
Carbon disulfide	5.00	5.72		ug/L		114	64 - 133	7	20
Carbon tetrachloride	5.00	4.67		ug/L		93	72 - 136	2	20
Chlorobenzene	5.00	5.28		ug/L		106	82 - 118	2	20
Chloroform	5.00	5.20		ug/L		104	79 - 124	2	20
Chloromethane	5.00	6.97		ug/L		139	50 - 139	6	20
cis-1,2-Dichloroethene	5.00	4.80		ug/L		96	78 - 123	8	20
cis-1,3-Dichloropropene	5.00	5.11		ug/L		102	75 - 124	2	20
Dibromochloromethane	5.00	5.33		ug/L		107	74 - 126	1	20
1,1-Dichloroethane	5.00	5.52		ug/L		110	77 - 125	5	20
1,2-Dichloroethane	5.00	4.96		ug/L		99	73 - 128	3	20
1,1-Dichloroethene	5.00	5.55		ug/L		111	71 - 131	5	20

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-377820/4

Matrix: Water

Analysis Batch: 377820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichloromethane	5.00	5.69		ug/L		114	74 - 124	8	20
1,2-Dichloropropane	5.00	5.11		ug/L		102	78 - 122	6	20
Ethylbenzene	5.00	5.30		ug/L		106	79 - 121	1	20
Ethyl Chloride	5.00	6.29		ug/L		126	60 - 138	6	20
2-Hexanone	25.0	24.9		ug/L		99	57 - 139	0	20
Methyl Ethyl Ketone	25.0	24.3		ug/L		97	56 - 143	15	20
Methyl isobutyl ketone (MIBK)	25.0	26.5		ug/L		106	67 - 130	2	20
m-Xylene & p-Xylene	5.00	5.68		ug/L		114	80 - 121	0	20
o-Xylene	5.00	5.38		ug/L		108	78 - 122	1	20
Styrene	5.00	5.00		ug/L		100	78 - 123	4	20
Tetrachloroethene	5.00	4.83		ug/L		97	74 - 129	4	20
Toluene	5.00	5.62		ug/L		112	80 - 121	1	20
trans-1,2-Dichloroethene	5.00	4.91		ug/L		98	75 - 124	3	20
trans-1,3-Dichloropropene	5.00	5.09		ug/L		102	73 - 127	8	20
1,1,1-Trichloroethane	5.00	4.63		ug/L		93	74 - 131	8	20
1,1,2-Trichloroethane	5.00	5.50		ug/L		110	80 - 119	1	20
Trichloroethene	5.00	4.24		ug/L		85	79 - 123	1	20
Vinyl chloride	5.00	6.55		ug/L		131	58 - 137	7	20
Xylenes, Total	10.0	11.1		ug/L		111	79 - 121	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		85 - 114
Dibromofluoromethane (Surr)	98		80 - 119
1,2-Dichloroethane-d4 (Surr)	101		81 - 118
Toluene-d8 (Surr)	109		89 - 112

Lab Sample ID: MB 580-377858/7

Matrix: Water

Analysis Batch: 377858

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	0.39	U	1.0	0.39	ug/L			01/09/22 15:53	1
1,1,2,2-Tetrachloroethane	0.52	U	1.0	0.52	ug/L			01/09/22 15:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	*3 S1+	85 - 114		01/09/22 15:53	1
Dibromofluoromethane (Surr)	148	*3 S1+	80 - 119		01/09/22 15:53	1
1,2-Dichloroethane-d4 (Surr)	111	*3	81 - 118		01/09/22 15:53	1
Toluene-d8 (Surr)	106	*3	89 - 112		01/09/22 15:53	1

Lab Sample ID: LCS 580-377858/4

Matrix: Water

Analysis Batch: 377858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethene, Total	20.0	38.5	*+	ug/L		193	78 - 123
1,1,2,2-Tetrachloroethane	10.0	7.61		ug/L		76	71 - 121

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-377858/4

Matrix: Water

Analysis Batch: 377858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123	*3 S1+	85 - 114
Dibromofluoromethane (Surr)	137	S1+	80 - 119
1,2-Dichloroethane-d4 (Surr)	100		81 - 118
Toluene-d8 (Surr)	115	*3 S1+	89 - 112

Lab Sample ID: LCSD 580-377858/5

Matrix: Water

Analysis Batch: 377858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethene, Total	20.0	35.1	*+	ug/L		176	78 - 123	9	20
1,1,2,2-Tetrachloroethane	10.0	8.13		ug/L		81	71 - 121	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128	S1+	85 - 114
Dibromofluoromethane (Surr)	136	S1+	80 - 119
1,2-Dichloroethane-d4 (Surr)	100		81 - 118
Toluene-d8 (Surr)	98		89 - 112

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-377860/1-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.050	U	0.40	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Acenaphthylene	0.060	U	1.0	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
Anthracene	0.050	U	1.0	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Benzo[a]anthracene	0.050	U	0.25	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Benzo[a]pyrene	0.040	U	0.25	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
Benzo[b]fluoranthene	0.040	U	0.25	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
Benzo[g,h,i]perylene	0.040	U	0.25	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
Benzo[k]fluoranthene	0.050	U	0.25	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Bis(2-chloroethoxy)methane	0.050	U	0.60	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Bis(2-chloroethyl)ether	0.030	U	0.10	0.030	ug/L		01/07/22 10:46	01/10/22 18:31	1
Bis(2-ethylhexyl) phthalate	0.74	U	3.0	0.74	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Bromophenyl phenyl ether	0.060	U	0.60	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
Butyl benzyl phthalate	0.27	U	4.0	0.27	ug/L		01/07/22 10:46	01/10/22 18:31	1
Carbazole	0.10	U	0.60	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Chloroaniline	0.59	U	2.0	0.59	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Chloro-3-methylphenol	0.13	U	0.60	0.13	ug/L		01/07/22 10:46	01/10/22 18:31	1
2-Chloronaphthalene	0.070	U	1.0	0.070	ug/L		01/07/22 10:46	01/10/22 18:31	1
2-Chlorophenol	0.050	U	1.0	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Chlorophenyl phenyl ether	0.050	U	0.60	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Chrysene	0.040	U	0.25	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
Dibenz(a,h)anthracene	0.070	U	0.25	0.070	ug/L		01/07/22 10:46	01/10/22 18:31	1
Dibenzofuran	0.10	U	0.40	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-377860/1-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.050	U	0.40	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
1,3-Dichlorobenzene	0.040	U	0.40	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
1,4-Dichlorobenzene	0.040	U	0.40	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
3,3'-Dichlorobenzidine	0.26	U	1.0	0.26	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4-Dichlorophenol	0.20	U	1.0	0.20	ug/L		01/07/22 10:46	01/10/22 18:31	1
Diethyl phthalate	0.15	U	1.0	0.15	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4-Dimethylphenol	0.16	U	4.0	0.16	ug/L		01/07/22 10:46	01/10/22 18:31	1
Dimethyl phthalate	0.060	U	0.60	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
Di-n-butyl phthalate	0.19	U	3.0	0.19	ug/L		01/07/22 10:46	01/10/22 18:31	1
4,6-Dinitro-2-methylphenol	0.55	U	2.0	0.55	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4-Dinitrophenol	1.6	U	5.0	1.6	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4-Dinitrotoluene	0.10	U	1.0	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,6-Dinitrotoluene	0.10	U	0.40	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
Di-n-octyl phthalate	0.13	U	1.0	0.13	ug/L		01/07/22 10:46	01/10/22 18:31	1
Fluoranthene	0.060	U	0.25	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
Fluorene	0.050	U	0.25	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Hexachlorobenzene	0.040	U	0.60	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
Hexachlorobutadiene	0.060	U	1.0	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
Hexachlorocyclopentadiene	0.14	U	1.0	0.14	ug/L		01/07/22 10:46	01/10/22 18:31	1
Hexachloroethane	0.050	U	1.0	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
Indeno[1,2,3-cd]pyrene	0.13	U	0.40	0.13	ug/L		01/07/22 10:46	01/10/22 18:31	1
Isophorone	0.10	U	0.40	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
2-Methylphenol	0.050	U	0.60	0.050	ug/L		01/07/22 10:46	01/10/22 18:31	1
3 & 4 Methylphenol	0.10	U	0.60	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
Naphthalene	0.16	U	0.40	0.16	ug/L		01/07/22 10:46	01/10/22 18:31	1
2-Nitroaniline	0.10	U	1.0	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
3-Nitroaniline	0.16	U	3.0	0.16	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Nitroaniline	0.21	U	2.0	0.21	ug/L		01/07/22 10:46	01/10/22 18:31	1
Nitrobenzene	0.040	U	1.0	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		01/07/22 10:46	01/10/22 18:31	1
N-Nitrosodi-n-propylamine	0.060	U	0.40	0.060	ug/L		01/07/22 10:46	01/10/22 18:31	1
N-Nitrosodiphenylamine	0.070	U	1.0	0.070	ug/L		01/07/22 10:46	01/10/22 18:31	1
Pentachlorophenol	0.51	U	10	0.51	ug/L		01/07/22 10:46	01/10/22 18:31	1
Phenanthrene	0.12	U	1.0	0.12	ug/L		01/07/22 10:46	01/10/22 18:31	1
Phenol	0.36	U	1.0	0.36	ug/L		01/07/22 10:46	01/10/22 18:31	1
Pyrene	0.040	U	1.0	0.040	ug/L		01/07/22 10:46	01/10/22 18:31	1
1,2,4-Trichlorobenzene	0.090	U	0.40	0.090	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4,5-Trichlorophenol	0.10	U	0.40	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1
2,4,6-Trichlorophenol	0.10	U	0.60	0.10	ug/L		01/07/22 10:46	01/10/22 18:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		44 - 119	01/07/22 10:46	01/10/22 18:31	1
2-Fluorophenol (Surr)	56		19 - 119	01/07/22 10:46	01/10/22 18:31	1
Nitrobenzene-d5 (Surr)	91		44 - 120	01/07/22 10:46	01/10/22 18:31	1
Phenol-d5 (Surr)	33		10 - 120	01/07/22 10:46	01/10/22 18:31	1
Terphenyl-d14	109		50 - 134	01/07/22 10:46	01/10/22 18:31	1
2,4,6-Tribromophenol	81		43 - 140	01/07/22 10:46	01/10/22 18:31	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-377860/2-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.83		ug/L		92	47 - 122
Acenaphthylene	2.00	1.87		ug/L		93	41 - 130
Anthracene	2.00	1.59		ug/L		80	57 - 123
Benzo[a]anthracene	2.00	1.91		ug/L		96	58 - 125
Benzo[a]pyrene	2.00	1.97		ug/L		98	54 - 128
Benzo[b]fluoranthene	2.00	1.99		ug/L		99	53 - 131
Benzo[g,h,i]perylene	2.00	2.05		ug/L		102	50 - 134
Benzo[k]fluoranthene	2.00	1.92		ug/L		96	57 - 129
Bis(2-chloroethoxy)methane	2.00	1.89		ug/L		95	48 - 120
Bis(2-ethylhexyl) phthalate	2.00	2.08	J	ug/L		104	55 - 135
4-Bromophenyl phenyl ether	2.00	1.62		ug/L		81	55 - 124
Butyl benzyl phthalate	2.00	2.04	J	ug/L		102	53 - 134
Carbazole	2.00	1.92		ug/L		96	60 - 122
4-Chloroaniline	2.00	1.23	J	ug/L		62	33 - 117
4-Chloro-3-methylphenol	2.00	1.86		ug/L		93	52 - 119
2-Chloronaphthalene	2.00	1.84		ug/L		92	40 - 116
2-Chlorophenol	2.00	1.68		ug/L		84	38 - 117
4-Chlorophenyl phenyl ether	2.00	1.82		ug/L		91	53 - 121
Chrysene	2.00	1.96		ug/L		98	59 - 123
Dibenz(a,h)anthracene	2.00	1.89		ug/L		94	51 - 134
Dibenzofuran	2.00	1.83		ug/L		92	53 - 118
1,2-Dichlorobenzene	2.00	1.69		ug/L		84	32 - 111
1,3-Dichlorobenzene	2.00	1.70		ug/L		85	28 - 110
1,4-Dichlorobenzene	2.00	1.72		ug/L		86	29 - 112
3,3'-Dichlorobenzidine	4.00	3.32		ug/L		83	27 - 129
2,4-Dichlorophenol	2.00	1.77		ug/L		88	47 - 121
Diethyl phthalate	2.00	2.11		ug/L		106	56 - 125
2,4-Dimethylphenol	2.00	1.98	J	ug/L		99	31 - 124
Dimethyl phthalate	2.00	1.98		ug/L		99	45 - 127
Di-n-butyl phthalate	2.00	1.90	J	ug/L		95	59 - 127
4,6-Dinitro-2-methylphenol	4.00	3.14		ug/L		78	44 - 137
2,4-Dinitrophenol	4.00	3.24	J	ug/L		81	23 - 143
2,4-Dinitrotoluene	2.00	1.87		ug/L		94	57 - 128
2,6-Dinitrotoluene	2.00	1.90		ug/L		95	57 - 124
Di-n-octyl phthalate	2.00	2.07		ug/L		104	51 - 140
Fluoranthene	2.00	1.88		ug/L		94	57 - 128
Fluorene	2.00	1.96		ug/L		98	52 - 124
Hexachlorobenzene	2.00	1.60		ug/L		80	53 - 125
Hexachlorobutadiene	2.00	1.80		ug/L		90	22 - 124
Hexachlorocyclopentadiene	2.00	1.31		ug/L		65	20 - 125
Hexachloroethane	2.00	1.86		ug/L		93	21 - 115
Indeno[1,2,3-cd]pyrene	2.00	1.98		ug/L		99	52 - 134
Isophorone	2.00	1.88		ug/L		94	42 - 124
2-Methylphenol	2.00	1.56		ug/L		78	30 - 117
3 & 4 Methylphenol	2.00	1.51		ug/L		75	29 - 110
Naphthalene	2.00	1.77		ug/L		89	40 - 121
2-Nitroaniline	2.00	1.90		ug/L		95	55 - 127
3-Nitroaniline	2.00	1.44	J	ug/L		72	41 - 128

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-377860/2-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	2.00	1.84	J	ug/L		92	70 - 125
Nitrobenzene	2.00	1.89		ug/L		95	45 - 121
4-Nitrophenol	4.00	1.7	U	ug/L		42	35 - 145
N-Nitrosodi-n-propylamine	2.00	1.97		ug/L		99	49 - 119
N-Nitrosodiphenylamine	2.00	1.68		ug/L		84	51 - 123
Pentachlorophenol	4.00	1.36	J *	ug/L		34	35 - 138
Phenanthrene	2.00	1.73		ug/L		86	59 - 120
Phenol	2.00	0.826	J	ug/L		41	13 - 120
Pyrene	2.00	1.88		ug/L		94	57 - 126
1,2,4-Trichlorobenzene	2.00	1.79		ug/L		89	29 - 116
2,4,5-Trichlorophenol	2.00	1.85		ug/L		92	53 - 123
2,4,6-Trichlorophenol	2.00	1.85		ug/L		93	50 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	79		44 - 119
2-Fluorophenol (Surr)	54		19 - 119
Nitrobenzene-d5 (Surr)	86		44 - 120
Phenol-d5 (Surr)	34		10 - 120
Terphenyl-d14	91		50 - 134
2,4,6-Tribromophenol	79		43 - 140

Lab Sample ID: LCSD 580-377860/3-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 377860

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.50		ug/L		75	47 - 122	20	20
Acenaphthylene	2.00	1.50	*1	ug/L		75	41 - 130	22	20
Anthracene	2.00	1.87		ug/L		93	57 - 123	16	20
Benzo[a]anthracene	2.00	1.99		ug/L		99	58 - 125	4	20
Benzo[a]pyrene	2.00	2.19		ug/L		109	54 - 128	11	20
Benzo[b]fluoranthene	2.00	2.21		ug/L		111	53 - 131	11	20
Benzo[g,h,i]perylene	2.00	2.25		ug/L		113	50 - 134	10	20
Benzo[k]fluoranthene	2.00	2.11		ug/L		106	57 - 129	9	20
Bis(2-chloroethoxy)methane	2.00	1.58		ug/L		79	48 - 120	18	20
Bis(2-ethylhexyl) phthalate	2.00	2.25	J	ug/L		113	55 - 135	8	20
4-Bromophenyl phenyl ether	2.00	1.71		ug/L		86	55 - 124	6	20
Butyl benzyl phthalate	2.00	2.28	J	ug/L		114	53 - 134	11	20
Carbazole	2.00	2.09		ug/L		104	60 - 122	8	20
4-Chloroaniline	2.00	0.993	J *1	ug/L		50	33 - 117	22	20
4-Chloro-3-methylphenol	2.00	1.69		ug/L		85	52 - 119	10	20
2-Chloronaphthalene	2.00	1.52		ug/L		76	40 - 116	19	20
2-Chlorophenol	2.00	1.37		ug/L		68	38 - 117	20	20
4-Chlorophenyl phenyl ether	2.00	1.53		ug/L		77	53 - 121	17	20
Chrysene	2.00	2.10		ug/L		105	59 - 123	7	20
Dibenz(a,h)anthracene	2.00	2.09		ug/L		105	51 - 134	10	20
Dibenzofuran	2.00	1.55		ug/L		77	53 - 118	17	20
1,2-Dichlorobenzene	2.00	1.41		ug/L		70	32 - 111	18	20

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-377860/3-A

Matrix: Water

Analysis Batch: 377876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 377860

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	2.00	1.36	*1	ug/L		68	28 - 110	22	20
1,4-Dichlorobenzene	2.00	1.42		ug/L		71	29 - 112	19	20
3,3'-Dichlorobenzidine	4.00	2.36	*1	ug/L		59	27 - 129	34	20
2,4-Dichlorophenol	2.00	1.46		ug/L		73	47 - 121	19	20
Diethyl phthalate	2.00	2.18		ug/L		109	56 - 125	3	20
2,4-Dimethylphenol	2.00	1.58	J *1	ug/L		79	31 - 124	22	20
Dimethyl phthalate	2.00	1.92		ug/L		96	45 - 127	3	20
Di-n-butyl phthalate	2.00	2.18	J	ug/L		109	59 - 127	14	20
4,6-Dinitro-2-methylphenol	4.00	3.52		ug/L		88	44 - 137	12	20
2,4-Dinitrophenol	4.00	3.17	J	ug/L		79	23 - 143	2	20
2,4-Dinitrotoluene	2.00	1.94		ug/L		97	57 - 128	3	20
2,6-Dinitrotoluene	2.00	1.71		ug/L		85	57 - 124	10	20
Di-n-octyl phthalate	2.00	2.35		ug/L		118	51 - 140	13	20
Fluoranthene	2.00	2.11		ug/L		105	57 - 128	11	20
Fluorene	2.00	1.64		ug/L		82	52 - 124	18	20
Hexachlorobenzene	2.00	1.74		ug/L		87	53 - 125	9	20
Hexachlorobutadiene	2.00	1.38	*1	ug/L		69	22 - 124	27	20
Hexachlorocyclopentadiene	2.00	1.02	*1	ug/L		51	20 - 125	25	20
Hexachloroethane	2.00	1.47	*1	ug/L		74	21 - 115	24	20
Indeno[1,2,3-cd]pyrene	2.00	2.16		ug/L		108	52 - 134	9	20
Isophorone	2.00	1.64		ug/L		82	42 - 124	14	20
2-Methylphenol	2.00	1.31		ug/L		65	30 - 117	18	20
3 & 4 Methylphenol	2.00	1.22	*1	ug/L		61	29 - 110	21	20
Naphthalene	2.00	1.43	*1	ug/L		71	40 - 121	21	20
2-Nitroaniline	2.00	1.72		ug/L		86	55 - 127	10	20
3-Nitroaniline	2.00	1.34	J	ug/L		67	41 - 128	8	20
4-Nitroaniline	2.00	1.74	J	ug/L		87	70 - 125	6	20
Nitrobenzene	2.00	1.56		ug/L		78	45 - 121	19	20
4-Nitrophenol	4.00	1.7	U	ug/L		40	35 - 145	6	20
N-Nitrosodi-n-propylamine	2.00	1.66		ug/L		83	49 - 119	17	20
N-Nitrosodiphenylamine	2.00	1.82		ug/L		91	51 - 123	8	20
Pentachlorophenol	4.00	1.83	J *1	ug/L		46	35 - 138	29	20
Phenanthrene	2.00	1.97		ug/L		99	59 - 120	13	20
Phenol	2.00	0.644	J *1	ug/L		32	13 - 120	25	20
Pyrene	2.00	2.11		ug/L		105	57 - 126	11	20
1,2,4-Trichlorobenzene	2.00	1.46		ug/L		73	29 - 116	20	20
2,4,5-Trichlorophenol	2.00	1.66		ug/L		83	53 - 123	11	20
2,4,6-Trichlorophenol	2.00	1.51		ug/L		76	50 - 125	20	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	66		44 - 119
2-Fluorophenol (Surr)	44		19 - 119
Nitrobenzene-d5 (Surr)	72		44 - 120
Phenol-d5 (Surr)	27		10 - 120
Terphenyl-d14	102		50 - 134
2,4,6-Tribromophenol	87		43 - 140

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QC Sample Results

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 580-377861/1-A

Matrix: Water

Analysis Batch: 377867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C25	45	U	55	45	ug/L		01/08/22 15:21	01/10/22 02:19	1
C24-C40	90	U	180	90	ug/L		01/08/22 15:21	01/10/22 02:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		53 - 120				01/08/22 15:21	01/10/22 02:19	1

Lab Sample ID: LCS 580-377861/2-A

Matrix: Water

Analysis Batch: 377867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C9-C25	4000	3030		ug/L		76	55 - 134		
C24-C40	4000	3910		ug/L		98	36 - 143		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	83		53 - 120						

Lab Sample ID: LCSD 580-377861/3-A

Matrix: Water

Analysis Batch: 377867

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 377861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C9-C25	4000	3000		ug/L		75	55 - 134	1	26
C24-C40	4000	3880		ug/L		97	36 - 143	1	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	84		53 - 120						

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Lab Chronicle

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Client Sample ID: 20220106-F2-ZT07

Lab Sample ID: 580-109090-3

Date Collected: 01/06/22 18:25

Matrix: Water

Date Received: 01/08/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	377913	01/09/22 22:56	JSM	FGS SEA
Total/NA	Analysis	8260D		1	377858	01/09/22 22:56	JSM	FGS SEA
Total/NA	Analysis	8260D	RA	1	377820	01/08/22 21:20	T1W	FGS SEA

Client Sample ID: 20220106-F2-ZT08

Lab Sample ID: 580-109090-4

Date Collected: 01/06/22 18:30

Matrix: Water

Date Received: 01/08/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	377913	01/09/22 23:20	JSM	FGS SEA
Total/NA	Analysis	8260D		1	377858	01/09/22 23:20	JSM	FGS SEA
Total/NA	Analysis	8260D	RA	1	377820	01/08/22 21:44	T1W	FGS SEA
Total/NA	Prep	3510C			377860	01/09/22 13:22	JHR	FGS SEA
Total/NA	Analysis	8270E		1	377876	01/10/22 19:40	T1L	FGS SEA
Total/NA	Prep	3510C			377861	01/09/22 13:27	JHR	FGS SEA
Total/NA	Analysis	8015D		1	377867	01/10/22 03:40	JAE	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2236	01-18-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2-Dichloroethene, Total

Eurofins Seattle

Sample Summary

Client: AECOM
Project/Site: Red Hill CV22FO106

Job ID: 580-109090-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-109090-3	20220106-F2-ZT07	Water	01/06/22 18:25	01/08/22 11:00
580-109090-4	20220106-F2-ZT08	Water	01/06/22 18:30	01/08/22 11:00

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5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

Eurofins

Environment Testing
America

Client Information Client Contact: Alethea Ramos (alternate: Margie Pascua) Company: AE COM Address: 1001 Bishop St. Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373) Email: alethea.ramos@ae.com (alternate: margie.pascua@ae.com) Project Name: CV22F0106 Site: RHSHF		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsE.T.com State or Origin: Hawaii PWID:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: WO #: Project #: 60674414 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=Water, S=Solid, O=Other, B=Blood, A=Air) Preservation Code: Field Filtered Sample (Yes or No) Perform MSMSD (Yes or No) TPH-g (C6-C10) by 8260 TPH-d, TPH-o (C10-C24, C24-C40) by 8015		Total Number of Containers Special Instructions/Note: Therm. ID: A2 Cor: 26 ° Unc: 0.1 ° Cooler Desc: Rea FedEx: 00 Packing: 3.664e UPS: Cust. Seal: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Lab Cour: Blue Ice, Wet Dry, None Other:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) Prelim data (Level 1 or 2)=see TAT above, DoD Stage 4 report standard TAT, AE COM EQUIS EDD.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: Relinquished by: Thomas Aguilo Jorgie Relinquished by: Janner Potters Relinquished by:		Method of Shipment: Date/Time: 01/06/22 2000 Date/Time: 01/07/22 1200 Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks:	

Chain of Custody Record



Environment Testing
America

Client Information Client Contact: Alethea Ramos (alternate: Margie Pascua) Company: AECOM		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com		Carrier Tracking No(s): FedEx State of Origin: Hawaii		COC No. 01072022DW-03 Page: Page 1 of 1 Job #:	
Address: 1001 Bishop St. Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373) Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com) Project Name: CV22F0106 Site: RHFSF		Due Date Requested: see subcontract TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: WO #: Project #: 60674414 SSOW#:		Analysis Requested EPA 8260 VOCs & TPH-g (HCL) <input checked="" type="checkbox"/> EPA 8270 SVOCs (none) <input checked="" type="checkbox"/> EPA 8015 TPH-d/o <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Sample Type (C=Comp, G=grab) <input checked="" type="checkbox"/> Matrix (W=water, S=solid, O=soil, BT=biota, A=air) <input checked="" type="checkbox"/> Sample Time <input checked="" type="checkbox"/> Sample Date <input checked="" type="checkbox"/> Preservation Code: <input checked="" type="checkbox"/>		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification 20220106-F2-ZT07 20220106-F2-ZT08		Sample Time 01/06/22 1825 01/06/22 1830		Sample Date 01/06/22 01/06/22		Special Instructions/Note: Therm. ID: A2 Cor: -0.3 ° Unc: 0.4 ° Cooler Desc: Red Packing: Bubble FedEx: PD Cust. Seal: Yes No Lab Cour: Blue Ice, Wet/Dry, None Other:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time: 01/06/22 20:00 Date/Time: 01/06/22 12:00 Date/Time:		Date/Time: 01/06/22 20:00 Date/Time: 01/06/22 12:00 Date/Time:		Date/Time: 01/06/22 20:00 Date/Time: 01/06/22 12:00 Date/Time:	
Relinquished by: Thomas Aguilera Relinquished by: Camille Portier Relinquished by:		Relinquished by: Thomas Aguilera Relinquished by: Camille Portier Relinquished by:		Relinquished by: Camille Portier Relinquished by: Camille Portier Relinquished by:		Relinquished by: Camille Portier Relinquished by: Camille Portier Relinquished by:	
Custody Seal No.: A Yes <input type="checkbox"/> No <input type="checkbox"/>		Custody Seal No.: A Yes <input type="checkbox"/> No <input type="checkbox"/>		Custody Seal No.: A Yes <input type="checkbox"/> No <input type="checkbox"/>		Custody Seal No.: A Yes <input type="checkbox"/> No <input type="checkbox"/>	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-109090-2

Login Number: 109090

List Number: 1

Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

5 March 2022

NAVFAC Hawaii
400 Marshall Road
JBPHH HI 96860-3139

Subject: Red Hill Bulk Fuel Storage Facility
AECOM Follow-up Technical Review of Bis(2-chloroethyl)ether in Hydrant Flushing Samples
Sample ID: Multiple
Zone: A3, B1, C1, C2, F2, H1, H2 and H3
Address: Multiple
Collection Date: Multiple

Attention Engineering Working Group:

Bis(2-chloroethyl)ether (BC2EE) is primarily used as a chemical intermediate for the manufacture of pesticides and as a solvent for fats, waxes, greases, and esters. It has also been used as a constituent in paints and varnishes, as a cleaning fluid for textiles, and in the purification of oils and gasoline. This analyte is not regulated under the Safe Drinking Water Act and for that reason does not have an associated Maximum Contamination Level.

BC2EE properties and Chemical Abstracts Service (CAS):

- CAS number: 111-44-4.
- BC2EE is a colorless, nonflammable liquid with a strong unpleasant odor.
- The odor threshold for BC2EE is 0.049 part per million.
- The chemical formula for BC2EE is $C_4H_8Cl_2O$, and the molecular weight is 143.01-gram moles.
- The vapor pressure for BC2EE is 0.71 millimeter of mercury at 20 degrees Celsius, and it has a log octanol/water partition coefficient of 1.58.

The initial evaluation of this issue involved the review of the Eurofins Seattle's SOP for Semi-volatile Organic Compounds (Base Neutrals and Acids) Analysis by GC/MS [Method 8270E]. The standard operating procedure (SOP) was used in conjunction with the extracted ion current profile (EICP) for the referenced sample to derive the following conclusions.

A review of the laboratory analytical data packages indicates the associated method blanks and reagent/bottle blanks were all no-detect for BC2EE. In addition, the samples with detections of BC2EE were scattered throughout several preparation and analytical batches with passing quality control, thereby eliminating most types of laboratory contributed artifacts because of carryover or cross contamination. Based on a review of the analytical data, a laboratory contribution resulting in the detection of BC2EE is unlikely.

After discussion with the laboratory, they are not 100% confident that detection of BC2EE in the referenced sample is a true detection and could possibly be a false-positive based on the mass spectra. In addition, all samples that displayed detections for BC2EE coincide with low recovery of phenol-d5 surrogate in Method 8270 and low recovery of toluene-d8 surrogate in Method 8260. The detection of BC2EE could potentially be an isomer of BC2EE. Chromatograms show hits for dichlorinated alkanes and alcohols/ethers. The detections of the dichlorinated alkanes, alcohols, and ethers could be a by-product of reactions with the chlorination/bromination agent used to disinfect potable water. It is possible the chlorination/bromination agents are reacting with the 50 μ L of acetone from the 1:1 methylene chloride/acetone solution used to contain the surrogate for the Method 8270

analysis. Acetone, under acidic or basic conditions, can form an intermediate that can react with chlorinating/brominating agents just as aromatic/BTEX compounds, as indicated by the low surrogate recovery of toluene-d8 and phenol-d5.

A closer evaluation of the mass spectra provided by the laboratory, (**Figure 1**, middle spectra in red font) reveals the secondary ion, mass 63, is virtually absent. EPA Method 8270E requires three specific quantitation ions to be present at specific abundances for qualitative identification of analytes of interest. For BC2EE (**Figure 1**, bottom spectra in green font), mass (m/z) 93 is the parent ion and should be present at 100%, m/z 63 is the secondary ion and should be present at approximately 60% abundance of mass 93, and m/z 95 is the tertiary ion and should be present at approximately 20% of mass 93. According to the Quality Fit Evaluation provided by the laboratory (**Figure 2**), the ECIP passed the ion ratio test, (reference the spectral test and retention time test in **Figure 1** [chromatogram on the right]); however, the “Q” or quality fit test failed because the percent match to the reference spectra is 71%. This analysis has a lower control limit of 80% to be considered a valid spectra match for the identification of the analyte(s) of interest. Based on the passing of the ion ratio test, the spectral test and almost complete absence of m/z 63, it is suspected the ion abundance ratio window was not set up in the calibration quantitation file. A review of the laboratory’s SOP sections 16.1.1.2 through 16.1.1.4 confirmed an ion abundance window should be set for each quantitation ion. The referenced sections of the laboratory SOP provide the acceptance criteria for ion abundance and qualitative identification of analyte(s) of interest.

On February 7, 2022 at 0830 HST in a conversation with the laboratory’s analyst that performed the method, the section supervisor, the QAM, and the laboratory director, they confirmed the abundance windows were not defined, resulting in the reporting of BC2EE. Based on the absence of m/z 63 and adherence with the laboratory’s SOP, the laboratory will retract the impacted sample delivery groups (SDGs) and the detection of BC2EE and re-issue the reports with BC2EE reported as non-detect. In addition, the laboratory confirmed the other seven detections of BC2EE were also absent of m/z 63 and these reports would also be reissued with a discussion of the events provided in the case narrative. A National Institute of Standards and Technology mass spectra of BC2EE (**Figure 3**) was provided to the laboratory in addition to the spectra provided by the GCMS system for reference.

Based on the information obtained from the laboratory and re-evaluation of the associated data, AECOM re-collected the sample locations in question for EPA Method 8270. AECOM also collected a Method 8270 sample using a 525.2 pre-preserved sample bottle with 45 mg sodium sulfite preservative to mitigate the disinfect agents used with potable water suppliers. An empty 1-L amber bottle with the 45 mg sodium sulfite was also sent to the laboratory. The laboratory will fill the empty bottle with laboratory grade deionized water to assist in ascertaining any possible contributions from the sample containers and/or preservation. It is recommended AECOM continue with the re-analysis of the re-collected samples to confirm the absence of BC2EE and evaluate the effects that the disinfectant process has on the samples in question, if any.

Table 1 below summarizes the sample delivery groups (SDGs) initially issued reporting of bis(2-chloroethyl)ether (BC2EE) from fire hydrant zone screening samples in error. On February 12, 2022, AECOM issued a *Technical Review of Bis(2-chloroethyl)ether Hydrant Flushing Samples* memo which detailed the findings of an in-depth review of the analytical data and supporting documents, the contents of which are contained in this memo. As a result of the findings, Eurofins Seattle concurred with the finding conclusions and implemented the required corrective action in accordance with the laboratories SOP for EPA Method SW-846 8270E

The corrective action also determined the qualitative identification of BC2EE did not meet the analytical method or laboratories SOP requirements and the detections for BC2EE were retracted and the laboratory certificates of analysis reissued indicating the referenced analytes were non-detect. **Table 2** provides a list of the SDGs re-issued and the revised results.

Table 1

Laboratory Sample ID	Sampling Date	Field Sample ID	LOC ID	Analyte	Result	Unit
580-109090-4	01/06/22	20220106-F2-ZT08	FH17	BC2EE	1.6	µg/L
580-109117-5	01/08/22	20220108-B1-ZT04	FH8	BC2EE	2.6	µg/L
580-109117-6	01/08/22	20220108-A3-ZT01	SA-LFH2	BC2EE	3	µg/L
580-109117-8	01/07/22	220107-C2-YT02	FH315	BC2EE	0.76	µg/L
580-109054-1	01/05/22	20220105-C1-ZT03	FH512	BC2EE	0.1	µg/L
580-109239-2	01/11/22	20220111-H1-YT12	FH1396	BC2EE	3.3	µg/L
580-109243-1	01/11/22	20220111-H2-YT02	FH377	BC2EE	1.2 F1	µg/L
580-109243-3	01/11/22	20220111-H2-YT04	FH1331	BC2EE	1.7	µg/L
580-109243-4	01/11/22	20220111-H2-YT06	FH1646	BC2EE	2.3	µg/L
580-109289-1	01/12/22	220112-H3-ZT13	FH1651	BC2EE	1.7	µg/L
580-109289-3	01/12/22	220112-H3-ZT09	FH1641	BC2EE	2.4	µg/L
580-109289-5	01/12/22	220112-H3-ZT05	FH1676	BC2EE	1.7	µg/L

F1- MS and/or MSD recovery exceeds the control limit

Table 2

Laboratory Sample ID	Sampling Date	Field Sample ID	LOC ID	Analyte	Result	Unit
580-109090-4	01/06/22	20220106-F2-ZT08	FH17	BC2EE	0.031 U	µg/L
580-109117-5	01/08/22	20220108-B1-ZT04	FH8	BC2EE	0.031 U	µg/L
580-109117-6	01/08/22	20220108-A3-ZT01	SA-LFH2	BC2EE	0.030 U	µg/L
580-109117-8	01/07/22	220107-C2-YT02	FH315	BC2EE	0.031 U	µg/L
580-109054-1	01/05/22	20220105-C1-ZT03	FH512	BC2EE	0.031 U	µg/L
580-109239-2	01/11/22	20220111-H1-YT12	FH1396	BC2EE	0.032 U	µg/L
580-109243-1	01/11/22	20220111-H2-YT02	FH377	BC2EE	0.032 U	µg/L

Laboratory Sample ID	Sampling Date	Field Sample ID	LOC ID	Analyte	Result	Unit
580-109243-3	01/11/22	20220111-H2-YT04	FH1331	BC2EE	0.032 U	µg/L
580-109243-4	01/11/22	20220111-H2-YT06	FH1646	BC2EE	0.030 U	µg/L
580-109289-1	01/12/22	220112-H3-ZT13	FH1651	BC2EE	0.031 U	µg/L
580-109289-3	01/12/22	220112-H3-ZT09	FH1641	BC2EE	0.031 U	µg/L
580-109289-5	01/12/22	220112-H3-ZT05	FH1676	BC2EE	0.031 U	µg/L

F1- MS and/or MSD recovery exceeds the control limit

U Indicates the analyte was analyzed for but not detected

It was suspected the disinfection process (residual chlorine) was having an adverse effect on the recovery of the acid surrogates used in EPA Method 8270E for samples collected from January 6, 2022 through January 11, 2022. The failing acid surrogate recoveries could result in the rejection of the associated data. As a result, when AECOM re-collected the samples from the locations where the initial laboratory results indicated the presence of BC2EE, both unpreserved and preserved samples were collected. With the exception of location IDs FH512, FH17, FH315 and B1-8, only unpreserved samples were collected because these samples were collected before the decision to collect an additional preserved sample was made.

Sample location FH512 exhibited low but passing surrogate recoveries whereas locations FH17, FH315 and B1-8 all had failing acid surrogate recoveries. All four of the referenced samples were also non-detect for BC2EE. Two empty bottles were also sent to the lab as reagent/bottle blanks to eliminate both a bottle or a preservative contribution to the detection of BC2EE by having the lab fill the bottles with laboratory reagent grade laboratory ASTM Type II water and then analyzed. Both the reagent and bottle blank were non-detect for BC2EE. The 525.2 preservative, 45 milligrams (mg) sodium sulfite was used as the preservation method.

The results from the unpreserved samples collected from February 2, 2022 through February 4, 2022 exhibited a suppression of the acid surrogate recoveries as suspected, however the samples preserved with the 525.2 preservative exhibited passing acid surrogate recoveries for all samples analyzed. In addition, BC2EE was non-detect for all samples analyzed, both unpreserved and preserved, confirming the absence of BC2EE at the sampling locations in question.

Table 3 provides a list of the SDGs for the zone locations that were re-sampled, extracted and analyzed to confirm the absence of BC2EE for the referenced sampling locations. A complete listing of all the samples discussed is provided in **Attachment 1, Bis(2-chloroethyl)ether Fire Hydrant Zone Screening Sample Resolution Cross Walk**. This attachment provides the original sample results and SDGs, prior to the lab restating the results as well as the resample results with notes as to whether they were unpreserved or preserved.

Table 3

Laboratory Sample ID	Sampling Date	Field Sample ID	LOC ID	Analyte	Result	Unit
580-110026-1	02/04/22	220204H2HT02	FH377	BC2EE	0.029 U	µg/L
580-110026-2	02/04/22	220204H2HT02-1	FH377	BC2EE	0.029 U	µg/L
580-110026-3	02/04/22	220204H2HT03	FH1331	BC2EE	0.029 U	µg/L
580-110026-4	02/04/22	220204H2HT04	FH1646	BC2EE	0.029 U	µg/L
580-110026-5	02/04/22	220204H2HT03-1	FH1331	BC2EE	0.029 U	µg/L
580-110026-6	02/04/22	220204H2HT04-1	FH1646	BC2EE	0.029 U	µg/L
580-110026-7	02/04/22	A3-TW-HYDLFH2-22035-N	SA-LFH2	BC2EE	0.029 U	µg/L
580-110026-8	02/04/22	A3-TW-HYDLFH2-22035-N-1	SA-LFH2	BC2EE	0.031 U	µg/L
580-110029-1	02/04/22	220204H3IT01	FH1641	BC2EE	0.028 U	µg/L
580-110029-2	02/04/22	220204H3IT02	FH1641	BC2EE	0.028 U	µg/L
580-110029-3	02/04/22	220204H3IT01-1	FH1641	BC2EE	0.028 U	µg/L
580-110029-4	02/04/22	220204H3IT02-1	FH1641	BC2EE	0.028 U	µg/L
580-110029-5	02/04/22	220204H3IT03	FH1651	BC2EE	0.028 U	µg/L
580-110029-6	02/04/22	220204H3IT04	FH1676	BC2EE	0.028 U	µg/L
580-110029-7	02/04/22	220204H3IT03-1	FH1651	BC2EE	0.028 U	µg/L
580-110029-8	02/04/22	220204H3IT04-1	FH1676	BC2EE	0.028 U	µg/L
580-110034-1	02/03/22	220203C2ZT02	FH315	BC2EE	0.029 U	µg/L
580-110035-1	02/04/22	220204H1HT01	FH1396	BC2EE	0.029 U	µg/L
580-110035-2	02/04/22	220204H1HT01-1	FH1396	BC2EE	0.029 U	µg/L
580-110036-1	02/03/22	220203C1ZT03	FH512	BC2EE	0.029 U	µg/L
580-110037-1	02/03/22	220203F2ZT01	FH17	BC2EE	0.029 U	µg/L
580-110038-1	02/03/22	220203B1ZT04	FH8	BC2EE	0.029 U	µg/L

U Indicates the analyte was analyzed for but not detected

Therefore, based on a thorough re-evaluation of the referenced analytical data and professional judgment, the results of these twelve indicated samples were preliminarily reported in error and have been amended in the final results to be non-detect for bis(2-chloroethyl)ether.

Questions regarding this memo should be addressed to the Red Hill Drinking Water Task Manager, Bill Craig.

Yours sincerely,



Jim Reformat
Senior Program Chemist
jim.reformat@aecom.com



Robin Cababa
CLEAN Program Manager
robin.cababa@aecom.com

Attachments

Attachment 1: *Bis(2-chloroethyl)ether Fire Hydrant Zone Screening Sample Resolution Cross Walk.*

cc:

Bill Craig, AECOM Drinking Water Task Manager
Ken Vinson, AECOM Senior VP Program Manager
Jim Reformat, AECOM Senior Program Chemist
Contracting Officer
Victor Gonzalez, NAVFAC

Figure 1. Sample 580-109090-F-4-A Mass Spectra and EICP

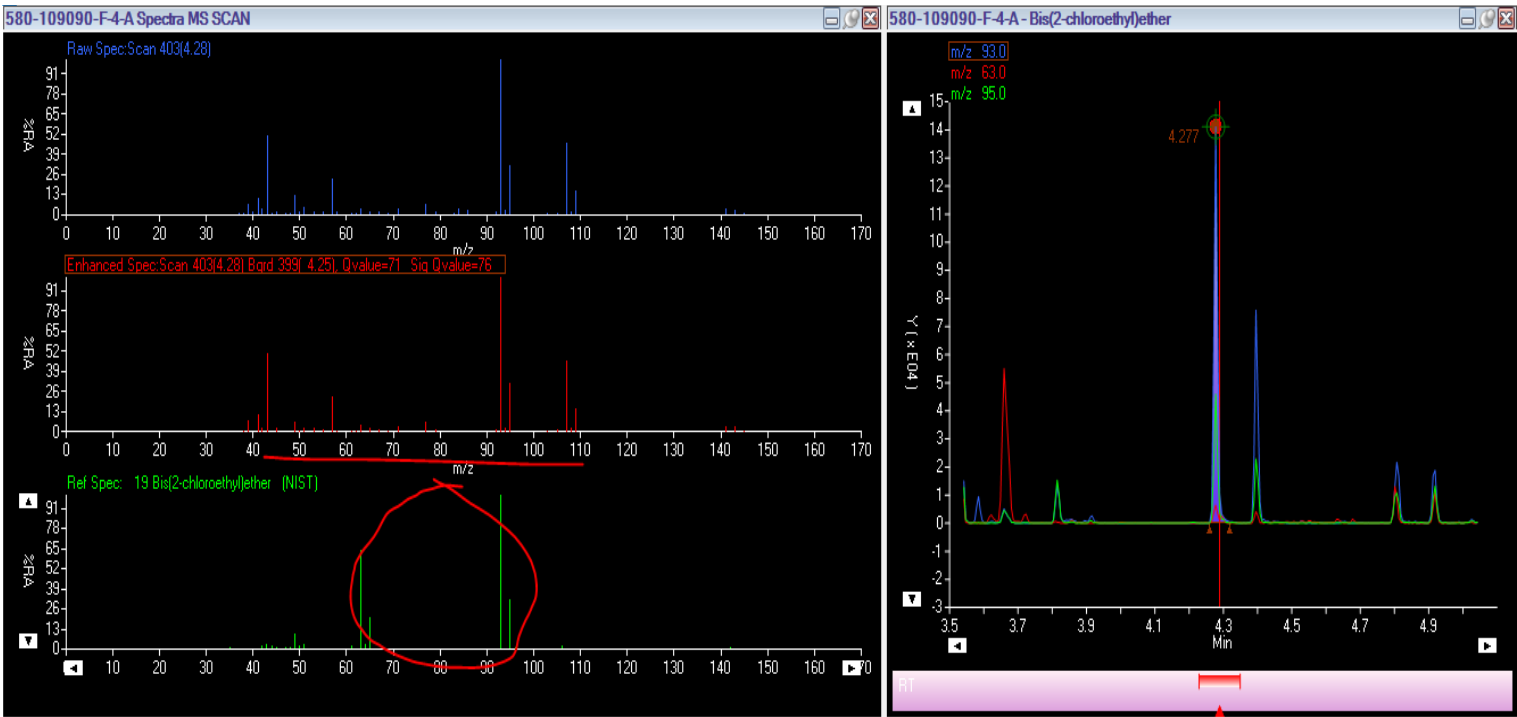
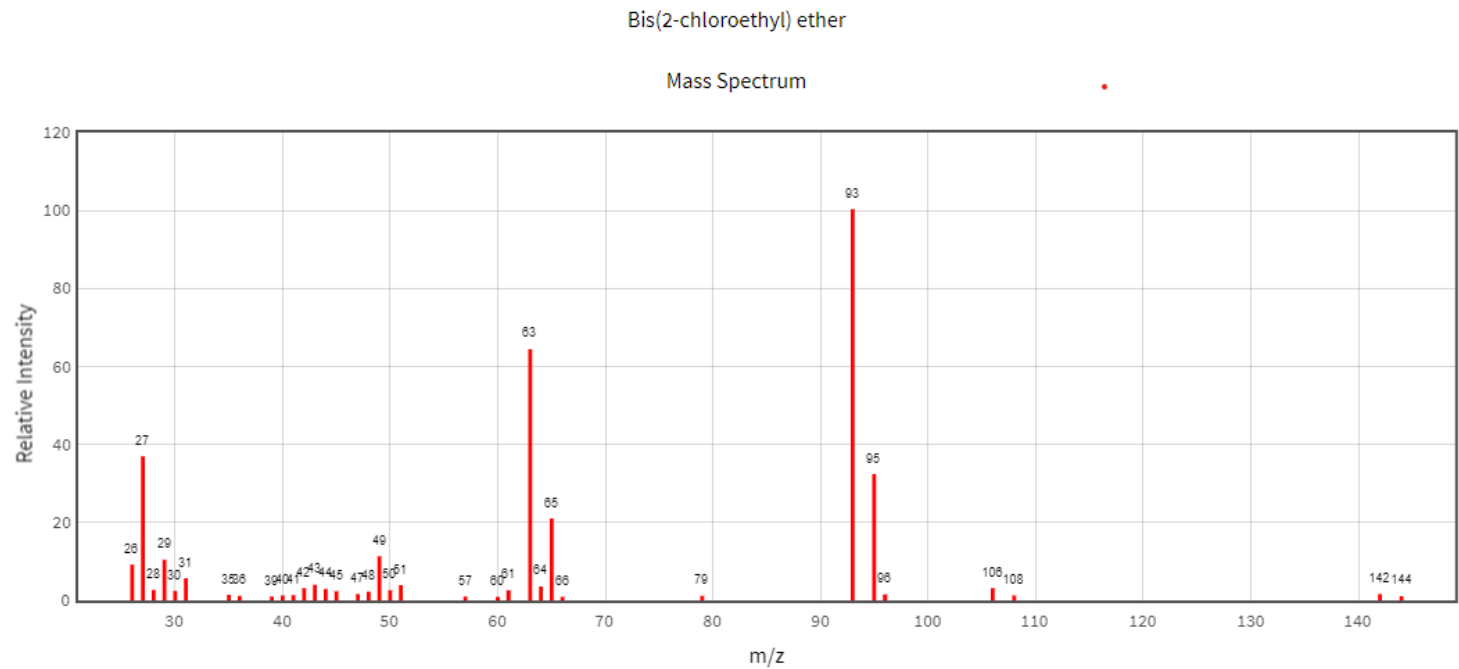


Figure 2. Quality Fit Evaluation Provided by the Laboratory

Hits / Signals for Bis(2-chloroethyl)ether

	RT	RRT	Amt	Q	Ratios	RTs	Spec	Flags
1	4.277	0.954	762.691	71	PASS	PASS	PASS	

Figure 3. Reference Mass Spectra for Bis(2-chloroethyl)ether



Attachment 1

Bis(2-chloroethyl)ether Fire Hydrant Zone Screening Sample Resolution Cross Walk

Field Sample ID	Sampling Date	Zone	Lab Sample ID	Analyte	Result	Unit	Loc Id	Field Sample ID	Sampling Date	Zone	Lab Sample ID	Analyte	Result	Unit	Loc Id
20220108-A3-ZT01	01/08/22	A3	580-109117-6	BC2EE	0.030 U	µg/L	SA-LFH2	A3-TW-HYDLFH2-22035	02/04/22	A3	580-110026-7	BC2EE	0.029 U	µg/L	SA-LFH2
								A3-TW-HYDLFH2-22035-1	02/04/22		580-110026-8		0.029 U	µg/L	
20220111-H2-YT02	01/11/22	H2	580-109243-1	BC2EE	0.032 F1	µg/L	FH377	220204H2HT02	02/04/22	H2	580-110026-1	BC2EE	0.029 U	µg/L	FH377
								220204H2HT02-1	02/04/22		580-110026-2		0.029 U	µg/L	
20220111-H2-YT04	01/11/22	H2	580-109243-3	BC2EE	0.032 U	µg/L	FH1331	220204H2HT03	02/04/22	H2	580-110026-3	BC2EE	0.029 U	µg/L	FH1331
								220204H2HT03-1	02/04/22		580-110026-5		0.029 U	µg/L	
20220111-H2-YT06	01/11/22	H2	580-109243-4	BC2EE	0.030 U	µg/L	FH1646	220204H2HT04	02/04/22	H2	580-110026-4	BC2EE	0.029 U	µg/L	FH1646
								220204H2HT04-1	02/04/22		580-110026-6		0.029 U	µg/L	
20220111-H1-YT12	01/11/22	H1	580-109239-2	BC2EE	0.031 U	µg/L	FH1396	220204H1HT01	02/04/22	H1	580-110035-1	BC2EE	0.029 U	µg/L	FH1396
								220204H1HT01-1	02/04/22		580-110035-2		0.029 U	µg/L	
220112-H3-ZT09	01/12/22	H3	580-109289-3	BC2EE	0.031 U	µg/L	FH1641	220204H3IT01	02/04/22	H3	580-110029-1	BC2EE	0.028 U	µg/L	FH1641
								220204H3IT01-1	02/04/22		580-110029-3		0.028 U	µg/L	
								220204H3IT02	02/04/22		580-110029-2		0.028 U	µg/L	
								220204H3IT02-1	02/04/22		580-110029-4		0.028 U	µg/L	
220112-H3-ZT13	01/12/22	H3	580-109289-1	BC2EE	0.031	µg/L	FH1651	220204H3IT03	02/04/22	H3	580-110029-7	BC2EE	0.028 U	µg/L	FH1651
								220204H3IT03-1	02/04/22		580-110029-8		0.028 U	µg/L	
220112-H3-ZT05	01/12/22	H3	580-109289-5	BC2EE	0.031 U	µg/L	FH1676	220204H3IT04-1	02/04/22	H3	580-110029-5	BC2EE	0.028 U	µg/L	FH1676
								220204H3IT04	02/04/22		580-110029-6		0.028 U	µg/L	
20220105-C1-ZT03	01/05/22	C1	580-109054-1	BC2EE	0.031 U	µg/L	FH512	220203C1ZT03	02/03/22	C1	580-110036-1	BC2EE	0.029 U	µg/L	FH512
20220106-F2-ZT08	01/06/22	F2	580-109090-4	BC2EE	0.031 U	µg/L	FH17	220203F2ZT01	02/03/22	F2	580-110037-1	BC2EE	0.029 U	µg/L	FH17
220107-C2-YT02	01/07/22	C2	580-109117-8	BC2EE	0.031 U	µg/L	FH315	220203C2ZT02	02/03/22	C2	580-110034-1	BC2EE	0.029 U	µg/L	FH315
20220108-B1-ZT04	01/08/22	B1	580-109117-5	BC2EE	0.031 U	µg/L	FH8	220203B1ZT04	02/03/22	B1	580-110038-1	BC2EE	0.029 U	µg/L	FH8

CORRECTIVE ACTION – SEATTLE LABORATORY

Date Initiated: 2/7/2022



Terri Torres, Quality Assurance Manager

Subject: bis(2-Chloroethyl)ether false positive results

Client: AECOM

3/1/2022

Date Approved

Samples Affected: 580-109090-4 (20220106-F2-ZT08), 580-109117-5 (20220208-B1-ZT04), 580-109117-6 (20220108-A3-ZT01), 580-109117-8 (20220107-C2-YT02), 580-109054-1 (20220105-C1-ZT03), 580-109239-2 (20220111-H1-YT12), 580-109243-1 (20220111-H2-YT02), 580-109243-3 (20220111-H2-YT04), 580-109243-4 (20220111-H2-YT06), 580-109289-1 (20221112-H3-ZT13), 580-109289-3 (20221112-H3-ZT09) and 580-109289-5 (20221112-H3-ZT05)

Method: 8270E

Problem

The detections of the 8270E analyte bis(2-Chloroethyl)ether was determined to be due to false positive detections in several samples.

Assessment/Investigation

Bis(2-chloroethyl)ether is a relatively uncommon environmental contaminant and hits reported by Eurofins Seattle prompted confirmation by the client. Upon further review, it was determined that though a compound similar to Bis(2-chloroethyl)ether was detected, the compound lacked qualifying features: 1) overall mass spectral breakdown was inconsistent with that of Bis(2-chloroethyl)ether, 2) the ion ratio for m/z 95 was inconsistent with that of Bis(2-chloroethyl)ether. It was known to the lab that samples from this project occasionally contained a brominating or chlorinating agent, such as elemental bromine, elemental chlorine, or hypobromous or hypochlorous acid formed in situ from the addition of sodium hypochlorite or sodium hypobromite. These compounds, commonly added to drinking water to treat or disinfect, caused reactive halogenation of 2-methyl-2-butene (amylene), a stabilizer for methylene chloride used at the laboratory. By mass spectral interpretation, it was determined that a polychlorinated amylene was the cause of the false positive.

Final Assessment/Corrective Action

There were two main root causes for the miss-identification, overall mass spectral breakdown and ion ratio inconsistency. The overall mass spectral breakdown pattern was overlooked by analysts because the analyte eluted at the correct retention time, contained all quantifier and qualifier ions, and the ions appeared to present at the correct ratios. However there was a discrepancy of the mass spectral breakdown pattern that may have been caused by a coelution of another unknown analyte. Additionally there was an ion ratio inconsistency. After looking through settings in the quantitation software, it was determined that a setting which would flag false positives for inaccurate ion ratios was turned off. The analyst, unaware of any qualitative flags to the data as they had been turned off, would see a "PASS" for ions whose ratios were not necessarily consistent with the ratios obtained in the analyte ICAL.

To improve the data quality of the project, the samples were re-sampled using sodium sulfite, which quenches halogenated species, as a preservative. Use of this preservative was found to eliminate presence of the false positive amylene derivative. Additionally the setting in the software to flag analytes with inconsistent ion ratio results has been turned on with an ion ratio acceptance criteria of $\pm 30\%$ as specified by EPA 8270E. Analysts were instructed to contact additional resources or reviewers in the case of any doubt with regards to the qualitative identification of analytes.



Kathleen Ho

02/12/2022

KATHLEEN S. HO

Deputy Director of Environmental Health

DATE

DOH's Guidance on the Approach to Amending the Public Health Advisory, Addendum 1

Public Health Advisory initiated November 29, 2021

Joint Base Pearl Harbor-Hickam Public Water System No. 360

HEER Incident Case No.: 20211128-1848

Purpose: This guidance provides the criteria that the Hawaii Department of Health (DOH) will be using to **amend** the Public Health Advisory (Advisory) issued on November 29, 2021.

DOH's priority is to protect the public health of the people of Hawaii. The guidance is based on "lines of evidence" (Table 1) that must be met before DOH will amend the health advisory and issue notices that the water can be used for drinking. The Navy must also commit to following the long-term monitoring (LTM) of system water quality for this incident under the IDWST Drinking Water Sampling Plan, as amended.

Background: A chemical release of petroleum, which is a hazardous substance, entered the Joint Base Pearl Harbor-Hickam (JBPHH) drinking water distribution system and the Red Hill Shaft. This release triggered an emergency response and DOH issuance of an Advisory on November 29, 2021. State and Federal Drinking Water (DW) Maximum Contaminant Levels (MCLs) under the Safe Drinking Water Act do not adequately address petroleum contamination of drinking water. DOH has established Environmental Action Levels (EALs) and Incident Specific Parameters (ISPs) to more comprehensively monitor and respond to petroleum contaminated drinking water. Any contaminants that exceed the State and Federal DW MCLs, EALs, or ISPs require additional action prior to amending the Advisory. Lines of evidence will be achieved by evaluating the data generated during the investigation conducted by the Interagency Drinking Water System Team (IDWST). The data will be assessed for each Flushing Zone of the Drinking Water Distribution System Recovery Plan. All lines of evidence will require documentation.

DOH Project Screening Levels: State and Federal Drinking Water MCLs, specified State EALs, and ISPs are considered in development of Project Screening Levels. The actions for the thresholds for each contaminant are listed in Tables 2 and 3.

Table 1: Lines of Evidence Under Evaluation

1. Ensure no contamination is entering the water system.		
Objective	Lines of Evidence	Incident Specific Criteria
1a	All reported sources of contamination are isolated and contained.	Contamination from Red Hill Shaft is isolated from Navy's water distribution system.
1b	The regulated public water system's water quality data is compliant.	Data meets Federal DW MCLs, specified State EALs, and ISPs.
1c	No additional contamination through the distribution system is occurring.	Cross Connection Control investigation shows distribution system is protected, resulting in no additional sources of contamination.
2. Ensure no contamination remains in the system and water chemistry concerns are addressed.		
Objective	Lines of Evidence	Incident Specific Criteria
2a	Water within the distribution system meets State and Federal DW MCLs, specified State EALs, and ISPs.	<ul style="list-style-type: none"> • Zone flushing plan demonstrates entire distribution system is flushed. • Certification of Water Storage Tank(s) Flushing. • Sample results show the water in distribution system meets State and Federal DW MCLs, specified State EALs, and ISPs. • Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.
2b	Water in premise plumbing of homes/buildings meets State and Federal DW MCLs, specified State EALs, and ISPs.	<ul style="list-style-type: none"> • Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system. • Certification of Completed Irrigation Line Flushing. • Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing. • Sample results show water in homes/buildings meets State and Federal DW MCLs, specified State EALs, and ISPs.

Table 2: Threshold Determinations that Drinking Water is NOT Fit For Human Consumption

If the DOH MCLs or DOH Project Screening Levels are exceeded, the Drinking Water Health Advisory shall NOT be amended and the drinking water is considered NOT fit for human consumption.

Table 2 Contaminant	DOH MCL (ug/L)	DOH Project Screening Level (ug/L)	Basis	Notes
Benzene	5	5	DOH MCL ¹	
Toluene	1,000	1,000		
Ethylbenzene	700	700		
Xylenes (total)	10,000	10,000		
JP-5 as Combined Total Petroleum Hydrocarbons (TPH)-Gasoline, Diesel, and Oil Ranges [Incident Specific Parameter]	Not Applicable	211	Release of fresh fuel and potential direct release.	The 211 ug/L screening level is based on risk-based action levels for TPH associated with JP-5 jet fuel described in a HIDOH Technical Memorandum dated January 27, 2022, revised February 12, 2022 (HIDOH 2022). The action (screening) level conservatively assumes that TPH detected in the water is associated with non-degraded, dissolved-phase, fuel in the drinking water system. The memorandum serves as an addendum to the <i>HIDOH 2017 EAL Guidance</i> ² .
1,1,1-Trichloroethane	200	200	DOH MCL ¹	
1,1,2-Trichloroethane	5	5		
1,1-Dichloroethylene	7	7		
1,2,4-Trichlorobenzene	70	70		
1,2-Dichlorobenzene	600	600		
1,2-Dichloroethane (EDC)	5	5		
1,2-Dichloropropane (DCP)	5	5		
1,4-Dichlorobenzene	75	75		
Carbon tetrachloride (CTC)	5	5		
Chlorobenzene	100	100		
cis-1,2-Dichloroethylene	70	70		
Dichloromethane	5	5		
Styrene	100	100		
Tetrachloroethylene	5	5		
trans-1,2-Dichloroethylene	100	100		
Trichloroethylene (TCE)	5	5		
Vinyl Chloride	2	2		
Benzo[a]pyrene	0.2	0.2		
Di(2-ethylhexyl)phthalate	6	6		
Antimony	6	6		
Arsenic	10	10		

Table 2 Contaminant	DOH MCL (ug/L)	DOH Project Screening Level (ug/L)	Basis	Notes
Barium	2000	2000	DOH MCL ¹	
Beryllium	4	4		
Cadmium	5	5		
Chromium	100	100		
Copper ³	1300	1300	DOH AL ¹	
Lead ³	15	15		
Mercury	2	2	DOH MCL ¹	
Selenium	50	50		
Thallium	2	2		
Dichloroethylene, 1,2- (Mixed Isomers)	70	70		
Total trihalomethanes (TTHM) (sum of chloroform, bromoform, bromodichloromethane, and dibromochloromethane).	80	80		
Total Haloacetic acids (five) (HAA5) (sum of mono-, di-, trichloroacetic acids and mono- and dibromoacetic acids).	60	60		
Bromate	10	10		
Chlorite	1000	1000		
Notes: ¹ CONTAMINANTS REGULATED BY THE SAFE DRINKING WATER BRANCH (updated 7/10/14) at https://health.hawaii.gov/sdwb/files/2014/07/MCL-Fct-2014-07-10.pdf ² HIDOH, 2017, Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater – Hawaii Edition (Fall 2017): Hawaii Department of Health, Office of Hazard Evaluation and Emergency Response. https://health.hawaii.gov/heer/guidance/ehe-and-eals/ . HIDOH, 2022, Recommended Risk-Based Drinking Water Action Levels for Total Petroleum Hydrocarbons (TPH) Associated with Releases of JP-5 Jet Fuel: Hawaii Department of Health, Hazard Evaluation and Emergency Response Office, January 27, 2022, revised February 12, 2022. ³ Action Levels.				

Table 3: Threshold Concentrations to Trigger Investigation(s)

If the DOH Project Screening Level is exceeded, the Navy shall investigate the source(s) of the contamination under direction of the DOH.

Table 3 Contaminant	DOH MCL (ug/L)	DOH Project Screening Level (ug/L)	Basis	Notes
1-methylnaphthalene	None	10	HIDOH EALS Table D-1a ¹	<p>HIDOH 2017² (lowest of drinking water toxicity and taste and odor action levels). If the Project Screening Level for the listed contaminants are exceeded, the Navy shall:</p> <ol style="list-style-type: none"> 1. Notify the DOH within 24 hours of receipt of the preliminary analytical results; 2. Start the investigation of the source of the contamination pursuant to the DOH <i>Technical Guidance Manual</i>³; 3. Submit a draft Corrective Action Plan to the DOH for approval within 72 hours of receipt of the preliminary analytical results; and 4. Comply with interim actions as identified by DOH.
2-methylnaphthalene	None	10		
Naphthalene	None	17		
Total Organic Carbon (TOC) [Incident Specific Parameter]	None	2000	Additional surrogate for TPH	<p>TOC used as an additional surrogate for TPH to increase confidence in representativeness of sample data.</p> <ul style="list-style-type: none"> • While most Oahu ground water sources are closer to 1000 ug/l or below, the proposed EAL acknowledges that distribution system conditions and operational changes may cause a temporary increase in baseline TOC fluctuations. • The proposed EAL can be supported by all current EPA approved drinking water methods utilized for compliance with 40 CFR 141.132(d)(3) as revised: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100WD1L.txt <p>Results with Detection Limits up to 1500 ug/L may be used to meet the criteria for amending the health advisory.</p>
Fuel-like Odor in the Water or Obvious Petroleum Sheen, or Dermal Irritation due to water [Incident Specific Parameter]	N/A	Present	Public Health Advisory	<p>Within 12 hours of field observations by Navy or DOH or EPA or within 24 hours of receipt of a complaint by the Navy or DOH, the Navy shall follow the <i>JBPHH Water Response Resident Resources</i> or the Water Rapid Response Team process and notify DOH of the status of the response.</p> <p>This continues to be a trigger under the Long Term Monitoring Plan.</p>

¹ HIDOH EALS Table D-1a. Groundwater Action Levels. <https://health.hawaii.gov/heer/files/2019/11/HDOH-EAL-Surfer-Fall-2017.xlsx>

² HIDOH, 2017. Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater – Hawaii Edition (Fall 2017): Hawaii Department of Health, Office of Hazard Evaluation and Emergency Response. <https://health.hawaii.gov/heer/guidance/ehe-and-eals/>

³ HIDOH, 2017, DOH *Technical Guidance Manual*, <https://health.hawaii.gov/heer/igm/>.

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	1-Methylnaphthalene	ND	U		ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2-Methylnaphthalene	ND	U		ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	1-Methylnaphthalene	NI			ug/L	Not identified	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di(2-Ethylhexyl)phthalate	0.73			ug/L	Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Diethylphthalate	0.049	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution

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Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Diethylphthalate	0.22	J	U	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-n-Butylphthalate	7.4	U	U	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-02	Koala Ct	Nye Cir	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Diethylphthalate	0.069	J		ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-n-Butylphthalate	1.5			ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Phenanthrene	0.006	J		ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results

Navy Water System Incident

Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Bromadiol	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Diethylphthalate	0.099	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-n-Butylphthalate	2.8			ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Phenanthrene	0.019	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-20-01	Sibley	Gordon St	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-20-01	Sibley	Gordon St	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Phenanthrene	0.0080	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results

Navy Water System Incident

Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/27/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/27/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results

Navy Water System Incident

Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di(2-Ethylhexyl)phthalate	ND	U(BW)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di(2-Ethylhexyl)phthalate	ND	U(BW)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endrin Aldehyde	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street		1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street		2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential

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Navy Water System Incident
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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
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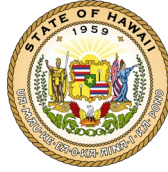
Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential

Location Name	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	C8-C44	50			ug/L	Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	C8-C44	44	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	C8-C44	45	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	C8-C44	48	J	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	C8-C44	49	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Ln	C8-C44	42	J	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Ln	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Ln	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Ln	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
012522-27-01	1/25/2022	012522-27-01	Meyerford Loop	Benford Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerford Loop	Benford Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerford Loop	Benford Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerford Loop	Benford Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerford Loop	Benford Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Shields Street	Dewert Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Shields Street	Dewert Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Vaessen Court	Nimitz Rd	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Vaessen Court	Nimitz Rd	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Vaessen Court	Nimitz Rd	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benford Ln.	Meyerford Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benford Ln.	Meyerford Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benford Ln.	Meyerford Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerford Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	C9-C40	59			ug/L	Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No

DOH TPH-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Location Name	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No

Exceeds the ISP
Bold= Detected



Interagency Drinking Water System Team
Zone F2 Removal Action Report
March 2022

Line of Evidence 2b

Water in Premise Plumbing of Homes/Buildings does not exceed State and Federal Drinking Water MCLs, specified State EALs, and ISPs

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination remains in the system and water chemistry concerns are addressed.

Objective 2b - Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.
- Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing.
- Sample results show water in homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Lines of Evidence	Completion Status	Outstanding Items
Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.	Complete	<ul style="list-style-type: none"> • None.

February 20, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 2B – WATER IN PREMISE OF PLUMBING OF HOMES/BUILDINGS DOES NOT EXCEED STATE AND FEDERAL DW MCLs, SPECIFIED STATE EALs, AND ISPs

Encl: (1) 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing
(2) 2b.2 Residential Sampling Report for Flushing Zone
(3) 2b.3 Exceedance Investigation Summary and Results
(4) 2b.4 Certification of Completed Irrigation Flushing
(5) 2b.5 DOH Guidance for Active Irrigation Line Purging and Flushing

1. Enclosures (1) through (5) document completion of Line of Evidence 2b, that water in premise of plumbing of homes/buildings does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the Joint Base Pearl Harbor-Hickam (JBPHH) distribution network. Zone F2 is part of the JBPHH Drinking Water system that is operated and maintained by the United States Navy. Flushing operations are summarized in Enclosure (1), signed by CDR Trevor Bingham, team lead for the Drinking Water Residential and Non-residential Recovery Team.

2. Enclosure (1) documents the flushing records for all facilities within Zone F2, as well as pressure logs for the distribution system during facility flushing operations. The completion of irrigation flushing in Zone F2, described in Enclosure (5), is documented in Enclosure (4). Sampling data collected after flushing is summarized in Enclosure (2).

3. Sample results with analyte detections exceeding the prescribed Maximum Contaminant Level (MCL), Environmental Action Level (EAL), or Incident Specific Parameter (ISP) are documented in Enclosure (3). The follow-on investigation summary and additional sampling results are also documented in Enclosure (3).

4. This information documents completion of Line of Evidence 2b, that water in premise of plumbing of homes/buildings does not exceed State of Hawaii and Federal Drinking Water standards, MCLs, EALs, or ISPs.

5. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOPHE
R.JAMES.1540194862
C. J. Wetzel
LT, CEC, USN

Digitally signed by
WETZEL.CHRISTOPHER.JAMES.1
540194862
Date: 2022.02.20 13:54:53 -08'00'

1 March 2022

MEMORANDUM

From: Naval Facilities Engineering Systems Command Representative, EWG Team
To: Interagency Drinking Water System Team

Subj: RECORDS OF COMPLETED RESIDENTIAL AND NON-RESIDENTIAL FLUSHING
ZONE F2

Ref: (a) Single Family Home Flushing Plan Checklist and Standard Operating Procedures,
December 2021
(b) Non-Residential Flushing Plan, January 2022

Encl: (1) EDMS Residential Flushing Records Zone F2
(2) EDMS Non-Residential Flushing Records Zone F2
(3) JBPHH System Pressure SCADA Data
(4) Distribution System Pressure Log Zone F2

1. This memo documents the completion of residential and non-residential flushing in Zone F2. The completed records of residential flushing, as shown in Enclosure (1), document the flushing of 1435/1435 homes in EDMS. One home in EDMS has an address that does not exist. The completed records of non-residential flushing, as shown in Enclosure (2), document the flushing of all 59 facilities in EDMS.

2. The distribution system pressure was monitored by Construction Battalion Maintenance Unit (CBMU) 303. Enclosure (4) demonstrates sustained pressure above 30 pounds per square inch (psi) during the flushing period.

3. Meter 1846, located at Nimitz B19, and meter 2550, located at the Salt Lake Church, are the nearest meters to Zone F2. Meter readings for these two meters document that the distribution system maintained a pressure of at least 30 psi for the duration of residential and non-residential flushing, as shown in Enclosure (3).

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted, and the submitted information is true, accurate, and complete.

Very respectfully,

BINGHAM.TREVOR.A
MMON.1131940048

T. A. BINGHAM
CDR, CEC, USN

Digitally signed by
BINGHAM.TREVOR.AMMON.11319
40048
Date: 2022.03.01 12:10:24 -10'00'

Flushing Zone F2

2022-01-08 - 2022-02-01

Total Homes	Percent Complete	No Access	Flushed on Selected Dates
1436	100.0 %	1	1435

Zone	Address	Arrive Date	Start Time	Finish Time	Certified	Summary General Notes	Unable To Access	Access Reason
Flushing Zone F2	2806 Anderson Avenue (F2-ANDE2806)	22-Jan-22	10:00	11:03	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2807 Anderson Avenue (F2-ANDE2807)	22-Jan-22	08:08	09:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2811 Anderson Avenue (F2-ANDE2811)	22-Jan-22	08:09	09:47	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2812 Anderson Avenue (F2-ANDE2812)	22-Jan-22	07:59	10:09	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2817 Anderson Avenue (F2-ANDE2817)	22-Jan-22	12:05	12:07	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2818 Anderson Avenue (F2-ANDE2818)	22-Jan-22	08:00	09:53	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2821 Anderson Avenue (F2-ANDE2821)	22-Jan-22	10:00	11:10	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2822 Anderson Avenue (F2-ANDE2822)	22-Jan-22	08:00	13:26	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2826 Anderson Avenue (F2-ANDE2826)	22-Jan-22	08:00	10:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2827 Anderson Avenue (F2-ANDE2827)	22-Jan-22	08:43	10:08	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2830 Anderson Avenue (F2-ANDE2830)	22-Jan-22	07:58	09:54	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2833 Anderson Avenue (F2-ANDE2833)	22-Jan-22	12:30	12:32	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2837 Anderson Avenue (F2-ANDE2837)	22-Jan-22	09:22	12:36	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2838 Anderson Avenue (F2-ANDE2838)	22-Jan-22	08:00	09:21	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2841 Anderson Avenue (F2-ANDE2841)	22-Jan-22	10:10	12:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2842 Anderson Avenue (F2-ANDE2842)	22-Jan-22	08:30	09:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2848 Anderson Avenue (F2-ANDE2848)	22-Jan-22	10:15	11:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2851 Anderson Avenue (F2-ANDE2851)	22-Jan-22	10:11	11:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2852 Anderson Avenue (F2-ANDE2852)	22-Jan-22	10:21	11:29	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2860 Anderson Avenue (F2-ANDE2860)	22-Jan-22	10:43	11:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2863 Anderson Avenue (F2-ANDE2863)	22-Jan-22	11:00	13:33	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2866 Anderson Avenue (F2-ANDE2866)	22-Jan-22	11:58	13:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2870 Anderson Avenue (F2-ANDE2870)	22-Jan-22	12:06	13:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2876 Anderson Avenue (F2-ANDE2876)	22-Jan-22	11:46	13:05	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2882 Anderson Avenue (F2-ANDE2882)	22-Jan-22	12:05	13:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2888 Anderson Avenue (F2-ANDE2888)	22-Jan-22	13:30	16:03	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2896 Anderson Avenue (F2-ANDE2896)	22-Jan-22	11:45	13:33	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2918 Anderson Avenue (F2-ANDE2918)	21-Jan-22	15:26	17:06	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2924 Anderson Avenue (F2-ANDE2924)	21-Jan-22	04:20	18:31	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2928 Anderson Avenue (F2-ANDE2928)	21-Jan-22	16:47	18:09	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2940 Anderson Avenue (F2-ANDE2940)	21-Jan-22	17:09	18:05	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2944 Anderson Avenue (F2-ANDE2944)	21-Jan-22	16:57	18:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2948 Anderson Avenue (F2-ANDE2948)	21-Jan-22	16:35	17:56	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2954 Anderson Avenue (F2-ANDE2954)	21-Jan-22	16:41	18:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2958 Anderson Avenue (F2-ANDE2958)	21-Jan-22	16:25	17:39	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2961 Anderson Avenue (F2-ANDE2961)	21-Jan-22	16:36	17:34	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2962 Anderson Avenue (F2-ANDE2962)	21-Jan-22	16:12	18:12	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2968 Anderson Avenue (F2-ANDE2968)	21-Jan-22	04:00	17:26	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2978 Anderson Avenue (F2-ANDE2978)	22-Jan-22	09:40	12:33	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2982 Anderson Avenue (F2-ANDE2982)	21-Jan-22	16:42	18:08	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2986 Anderson Avenue (F2-ANDE2986)	21-Jan-22	16:20	17:44	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2988 Anderson Avenue (F2-ANDE2988)	21-Jan-22	16:21	17:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	2996 Anderson Avenue (F2-ANDE2996)	22-Jan-22	09:36	11:07	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3004 Anderson Avenue (F2-ANDE3004)	22-Jan-22	07:48	09:34	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3007 Anderson Avenue (F2-ANDE3007)	22-Jan-22	08:00	09:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3008 Anderson Avenue (F2-ANDE3008)	22-Jan-22	07:47	09:35	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3014 Anderson Avenue (F2-ANDE3014)	22-Jan-22	21:34	10:54	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3015 Anderson Avenue (F2-ANDE3015)	22-Jan-22	08:10	09:30	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3016 Anderson Avenue (F2-ANDE3016)	22-Jan-22	09:26	10:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3020 Anderson Avenue (F2-ANDE3020)	22-Jan-22	08:04	09:35	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3021 Anderson Avenue (F2-ANDE3021)	22-Jan-22	07:59	12:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3024 Anderson Avenue (F2-ANDE3024)	21-Jan-22	15:45	17:12	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3027 Anderson Avenue (F2-ANDE3027)	21-Jan-22	16:40	17:54	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3028 Anderson Avenue (F2-ANDE3028)	21-Jan-22	15:00	18:27	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3031 Anderson Avenue (F2-ANDE3031)	21-Jan-22	15:10	17:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3036 Anderson Avenue (F2-ANDE3036)	21-Jan-22	15:29	17:09	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3041 Anderson Avenue (F2-ANDE3041)	21-Jan-22	15:00	17:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	3042 Anderson Avenue (F2-ANDE3042)	21-Jan-22	15:10	17:22	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	3045 Anderson Avenue (F2-ANDE3045)	21-Jan-22	14:10	15:02	<input checked="" type="checkbox"/>
Flushing Zone F2	3046 Anderson Avenue (F2-ANDE3046)	21-Jan-22	14:34	17:08	<input checked="" type="checkbox"/>
Flushing Zone F2	3052 Anderson Avenue (F2-ANDE3052)	21-Jan-22	13:52	15:21	<input checked="" type="checkbox"/>
Flushing Zone F2	3055 Anderson Avenue (F2-ANDE3055)	21-Jan-22	13:54	15:51	<input checked="" type="checkbox"/>
Flushing Zone F2	3062 Anderson Avenue (F2-ANDE3062)	21-Jan-22	13:00	14:59	<input checked="" type="checkbox"/>
Flushing Zone F2	3077 Anderson Avenue (F2-ANDE3077)	21-Jan-22	12:59	15:16	<input checked="" type="checkbox"/>
Flushing Zone F2	3083 Anderson Avenue (F2-ANDE3083)	21-Jan-22	13:15	17:17	<input checked="" type="checkbox"/>
Flushing Zone F2	3097 Anderson Avenue (F2-ANDE3097)	21-Jan-22	12:19	14:02	<input checked="" type="checkbox"/>
Flushing Zone F2	3103 Anderson Avenue (F2-ANDE3103)	21-Jan-22	12:04	15:25	<input checked="" type="checkbox"/>
Flushing Zone F2	3107 Anderson Avenue (F2-ANDE3107)	21-Jan-22	10:14	12:46	<input checked="" type="checkbox"/>
Flushing Zone F2	2764 Arizona Road (F2-ARIZ2764)	22-Jan-22	14:00	16:01	<input checked="" type="checkbox"/>
Flushing Zone F2	2765 Arizona Road (F2-ARIZ2765)	22-Jan-22	15:00	17:37	<input checked="" type="checkbox"/>
Flushing Zone F2	2766 Arizona Road (F2-ARIZ2766)	22-Jan-22	14:00	15:52	<input checked="" type="checkbox"/>
Flushing Zone F2	2767 Arizona Road (F2-ARIZ2767)	22-Jan-22	15:00	17:38	<input checked="" type="checkbox"/>
Flushing Zone F2	2773 Arizona Road (F2-ARIZ2773)	22-Jan-22	14:32	16:34	<input checked="" type="checkbox"/>
Flushing Zone F2	2774 Arizona Road (F2-ARIZ2774)	22-Jan-22	15:00	16:33	<input checked="" type="checkbox"/>
Flushing Zone F2	2775 Arizona Road (F2-ARIZ2775)	22-Jan-22	14:42	16:44	<input checked="" type="checkbox"/>
Flushing Zone F2	2776 Arizona Road (F2-ARIZ2776)	22-Jan-22	15:00	16:32	<input checked="" type="checkbox"/>
Flushing Zone F2	2781 Arizona Road (F2-ARIZ2781)	22-Jan-22	13:00	14:55	<input checked="" type="checkbox"/>
Flushing Zone F2	2782 Arizona Road (F2-ARIZ2782)	22-Jan-22	14:00	16:23	<input checked="" type="checkbox"/>
Flushing Zone F2	2783 Arizona Road (F2-ARIZ2783)	22-Jan-22	14:00	15:35	<input checked="" type="checkbox"/>
Flushing Zone F2	2784 Arizona Road (F2-ARIZ2784)	22-Jan-22	14:00	15:11	<input checked="" type="checkbox"/>
Flushing Zone F2	2790 Arizona Road (F2-ARIZ2790)	22-Jan-22	15:00	16:55	<input checked="" type="checkbox"/>
Flushing Zone F2	2791 Arizona Road (F2-ARIZ2791)	22-Jan-22	14:51	17:02	<input checked="" type="checkbox"/>
Flushing Zone F2	2792 Arizona Road (F2-ARIZ2792)	22-Jan-22	15:00	16:54	<input checked="" type="checkbox"/>
Flushing Zone F2	2793 Arizona Road (F2-ARIZ2793)	22-Jan-22	14:59	17:00	<input checked="" type="checkbox"/>
Flushing Zone F2	2807 Arizona Road (F2-ARIZ2807)	22-Jan-22	12:14	13:02	<input checked="" type="checkbox"/>
Flushing Zone F2	2808 Arizona Road (F2-ARIZ2808)	22-Jan-22	08:48	10:47	<input checked="" type="checkbox"/>
Flushing Zone F2	2811 Arizona Road (F2-ARIZ2811)	22-Jan-22	11:29	12:24	<input checked="" type="checkbox"/>
Flushing Zone F2	2814 Arizona Road (F2-ARIZ2814)	22-Jan-22	10:47	12:08	<input checked="" type="checkbox"/>
Flushing Zone F2	2815 Arizona Road (F2-ARIZ2815)	22-Jan-22	10:55	11:29	<input checked="" type="checkbox"/>
Flushing Zone F2	2818 Arizona Road (F2-ARIZ2818)	22-Jan-22	10:55	13:23	<input checked="" type="checkbox"/>
Flushing Zone F2	2819 Arizona Road (F2-ARIZ2819)	22-Jan-22	09:48	10:55	<input checked="" type="checkbox"/>
Flushing Zone F2	2824 Arizona Road (F2-ARIZ2824)	22-Jan-22	12:27	15:01	<input checked="" type="checkbox"/>
Flushing Zone F2	2832 Arizona Road (F2-ARIZ2832)	22-Jan-22	13:32	16:02	<input checked="" type="checkbox"/>
Flushing Zone F2	2835 Arizona Road (F2-ARIZ2835)	22-Jan-22	09:14	09:47	<input checked="" type="checkbox"/>
Flushing Zone F2	2838 Arizona Road (F2-ARIZ2838)	22-Jan-22	14:09	15:16	<input checked="" type="checkbox"/>
Flushing Zone F2	2839 Arizona Road (F2-ARIZ2839)	22-Jan-22	08:32	09:47	<input checked="" type="checkbox"/>
Flushing Zone F2	2844 Arizona Road (F2-ARIZ2844)	22-Jan-22	12:35	14:05	<input checked="" type="checkbox"/>
Flushing Zone F2	2845 Arizona Road (F2-ARIZ2845)	22-Jan-22	14:30	16:02	<input checked="" type="checkbox"/>
Flushing Zone F2	2848 Arizona Road (F2-ARIZ2848)	22-Jan-22	10:18	11:30	<input checked="" type="checkbox"/>
Flushing Zone F2	2849 Arizona Road (F2-ARIZ2849)	22-Jan-22	12:27	15:59	<input checked="" type="checkbox"/>
Flushing Zone F2	2852 Arizona Road (F2-ARIZ2852)	22-Jan-22	10:37	12:25	<input checked="" type="checkbox"/>
Flushing Zone F2	2858 Arizona Road (F2-ARIZ2858)	22-Jan-22	08:49	10:12	<input checked="" type="checkbox"/>
Flushing Zone F2	2859 Arizona Road (F2-ARIZ2859)	22-Jan-22	23:01	15:57	<input checked="" type="checkbox"/>
Flushing Zone F2	2862 Arizona Road (F2-ARIZ2862)	22-Jan-22	08:31	09:10	<input checked="" type="checkbox"/>
Flushing Zone F2	2863 Arizona Road (F2-ARIZ2863)	22-Jan-22	21:40	15:54	<input checked="" type="checkbox"/>
Flushing Zone F2	2866 Arizona Road (F2-ARIZ2866)	22-Jan-22	14:00	16:36	<input checked="" type="checkbox"/>
Flushing Zone F2	2867 Arizona Road (F2-ARIZ2867)	22-Jan-22	20:25	15:53	<input checked="" type="checkbox"/>
Flushing Zone F2	2869 Arizona Road (F2-ARIZ2869)	23-Jan-22	15:00	19:09	<input checked="" type="checkbox"/>
Flushing Zone F2	2871 Arizona Road (F2-ARIZ2871)	22-Jan-22	13:00	16:04	<input checked="" type="checkbox"/>
Flushing Zone F2	2872 Arizona Road (F2-ARIZ2872)	22-Jan-22	13:00	16:36	<input checked="" type="checkbox"/>
Flushing Zone F2	2873 Arizona Road (F2-ARIZ2873)	22-Jan-22	14:00	16:03	<input checked="" type="checkbox"/>
Flushing Zone F2	2879 Arizona Road (F2-ARIZ2879)	22-Jan-22	12:00	13:43	<input checked="" type="checkbox"/>
Flushing Zone F2	2883 Arizona Road (F2-ARIZ2883)	22-Jan-22	08:37	13:30	<input checked="" type="checkbox"/>
Flushing Zone F2	2887 Arizona Road (F2-ARIZ2887)	22-Jan-22	09:00	13:27	<input checked="" type="checkbox"/>
Flushing Zone F2	2892 Arizona Road (F2-ARIZ2892)	22-Jan-22	14:42	16:09	<input checked="" type="checkbox"/>
Flushing Zone F2	2905 Arizona Road (F2-ARIZ2905)	22-Jan-22	10:00	14:38	<input checked="" type="checkbox"/>
Flushing Zone F2	2907 Arizona Road (F2-ARIZ2907)	22-Jan-22	13:33	16:16	<input checked="" type="checkbox"/>
Flushing Zone F2	2909 Arizona Road (F2-ARIZ2909)	22-Jan-22	12:51	14:18	<input checked="" type="checkbox"/>
Flushing Zone F2	2911 Arizona Road (F2-ARIZ2911)	22-Jan-22	09:00	12:51	<input checked="" type="checkbox"/>
Flushing Zone F2	2913 Arizona Road (F2-ARIZ2913)	22-Jan-22	08:21	11:28	<input checked="" type="checkbox"/>
Flushing Zone F2	2981 Arizona Road (F2-ARIZ2981)	21-Jan-22	18:39	19:40	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	2989 Arizona Road (F2-ARIZ2989)	21-Jan-22	17:00	18:10	✓	□
Flushing Zone F2	2997 Arizona Road (F2-ARIZ2997)	23-Jan-22	09:45	11:33	✓	□
Flushing Zone F2	3004 Arizona Road (F2-ARIZ3004)	21-Jan-22	14:56	16:53	✓	□
Flushing Zone F2	3005 Arizona Road (F2-ARIZ3005)	21-Jan-22	15:30	18:21	✓	□
Flushing Zone F2	3008 Arizona Road (F2-ARIZ3008)	21-Jan-22	15:21	18:21	✓	□
Flushing Zone F2	3012 Arizona Road (F2-ARIZ3012)	21-Jan-22	15:11	16:18	✓	□
Flushing Zone F2	3015 Arizona Road (F2-ARIZ3015)	21-Jan-22	03:55	18:24	✓	□
Flushing Zone F2	3017 Arizona Road (F2-ARIZ3017)	21-Jan-22	15:47	17:28	✓	□
Flushing Zone F2	3018 Arizona Road (F2-ARIZ3018)	21-Jan-22	14:56	16:12	✓	□
Flushing Zone F2	3025 Arizona Road (F2-ARIZ3025)	21-Jan-22	16:12	17:25	✓	□
Flushing Zone F2	3029 Arizona Road (F2-ARIZ3029)	21-Jan-22	16:56	18:39	✓	□
Flushing Zone F2	3030 Arizona Road (F2-ARIZ3030)	21-Jan-22	14:57	16:47	✓	□
Flushing Zone F2	3034 Arizona Road (F2-ARIZ3034)	21-Jan-22	14:49	17:07	✓	□
Flushing Zone F2	3035 Arizona Road (F2-ARIZ3035)	21-Jan-22	15:57	17:53	✓	□
Flushing Zone F2	3039 Arizona Road (F2-ARIZ3039)	21-Jan-22	17:45	18:56	✓	□
Flushing Zone F2	3040 Arizona Road (F2-ARIZ3040)	21-Jan-22	14:49	17:37	✓	□
Flushing Zone F2	3043 Arizona Road (F2-ARIZ3043)	21-Jan-22	15:57	17:43	✓	□
Flushing Zone F2	3046 Arizona Road (F2-ARIZ3046)	21-Jan-22	14:57	18:18	✓	□
Flushing Zone F2	3052 Arizona Road (F2-ARIZ3052)	21-Jan-22	15:00	17:49	✓	□
Flushing Zone F2	3064 Arizona Road (F2-ARIZ3064)	21-Jan-22	16:00	17:55	✓	□
Flushing Zone F2	3071 Arizona Road (F2-ARIZ3071)	21-Jan-22	16:24	18:04	✓	□
Flushing Zone F2	3072 Arizona Road (F2-ARIZ3072)	21-Jan-22	16:58	18:16	✓	□
Flushing Zone F2	3075 Arizona Road (F2-ARIZ3075)	21-Jan-22	16:42	18:04	✓	□
Flushing Zone F2	3079 Arizona Road (F2-ARIZ3079)	21-Jan-22	17:06	18:13	✓	□
Flushing Zone F2	3085 Arizona Road (F2-ARIZ3085)	21-Jan-22	17:00	18:53	✓	□
Flushing Zone F2	3089 Arizona Road (F2-ARIZ3089)	21-Jan-22	17:00	18:45	✓	□
Flushing Zone F2	5404 Benfold Lane (F2-BENF5404)	21-Jan-22	13:09	14:38	✓	□
Flushing Zone F2	5406 Benfold Lane (F2-BENF5406)	21-Jan-22	11:37	12:57	✓	□
Flushing Zone F2	5409 Benfold Lane (F2-BENF5409)	21-Jan-22	08:21	09:52	✓	□
Flushing Zone F2	5410 Benfold Lane (F2-BENF5410)	21-Jan-22	11:41	13:05	✓	□
Flushing Zone F2	5413 Benfold Lane (F2-BENF5413)	21-Jan-22	09:53	11:22	✓	□
Flushing Zone F2	5414 Benfold Lane (F2-BENF5414)	21-Jan-22	07:55	09:29	✓	□
Flushing Zone F2	5415 Benfold Lane (F2-BENF5415)	21-Jan-22	09:58	11:32	✓	□
Flushing Zone F2	5419 Benfold Lane (F2-BENF5419)	21-Jan-22	08:02	09:43	✓	□
Flushing Zone F2	5420 Benfold Lane (F2-BENF5420)	21-Jan-22	08:22	10:01	✓	□
Flushing Zone F2	5423 Benfold Lane (F2-BENF5423)	21-Jan-22	10:06	11:33	✓	□
Flushing Zone F2	5427 Benfold Lane (F2-BENF5427)	21-Jan-22	10:10	11:48	✓	□
Flushing Zone F2	5433 Benfold Lane (F2-BENF5433)	21-Jan-22	12:56	15:00	✓	□
Flushing Zone F2	5437 Benfold Lane (F2-BENF5437)	21-Jan-22	12:57	15:08	✓	□
Flushing Zone F2	5439 Benfold Lane (F2-BENF5439)	21-Jan-22	12:57	15:09	✓	□
Flushing Zone F2	5440 Benfold Lane (F2-BENF5440)	21-Jan-22	07:46	09:36	✓	□
Flushing Zone F2	5441 Benfold Lane (F2-BENF5441)	21-Jan-22	07:58	09:28	✓	□
Flushing Zone F2	5446 Benfold Lane (F2-BENF5446)	21-Jan-22	11:10	12:25	✓	□
Flushing Zone F2	5448 Benfold Lane (F2-BENF5448)	21-Jan-22	11:09	12:37	✓	□
Flushing Zone F2	5449 Benfold Lane (F2-BENF5449)	21-Jan-22	09:37	11:02	✓	□
Flushing Zone F2	3065 Bridges Street (F2-BRID3065)	22-Jan-22	08:00	09:50	✓	□
Flushing Zone F2	3069 Bridges Street (F2-BRID3069)	22-Jan-22	08:00	09:42	✓	□
Flushing Zone F2	3073 Bridges Street (F2-BRID3073)	22-Jan-22	10:00	12:35	✓	□
Flushing Zone F2	3077 Bridges Street (F2-BRID3077)	22-Jan-22	08:06	12:38	✓	□
Flushing Zone F2	3080 Bridges Street (F2-BRID3080)	22-Jan-22	08:44	12:44	✓	□
Flushing Zone F2	3083 Bridges Street (F2-BRID3083)	22-Jan-22	08:07	12:49	✓	□
Flushing Zone F2	3084 Bridges Street (F2-BRID3084)	22-Jan-22	10:00	12:54	✓	□
Flushing Zone F2	3089 Bridges Street (F2-BRID3089)	22-Jan-22	08:18	12:57	✓	□
Flushing Zone F2	3090 Bridges Street (F2-BRID3090)	22-Jan-22	10:00	13:00	✓	□
Flushing Zone F2	5210 Catlin Lane (F2-CATL5210)	21-Jan-22	13:15	15:57	✓	□
Flushing Zone F2	5212 Catlin Lane (F2-CATL5212)	21-Jan-22	13:32	15:53	✓	□
Flushing Zone F2	5213 Catlin Lane (F2-CATL5213)	21-Jan-22	15:15	16:24	✓	□
Flushing Zone F2	5214 Catlin Lane (F2-CATL5214)	21-Jan-22	13:17	16:00	✓	□
Flushing Zone F2	5215 Catlin Lane (F2-CATL5215)	21-Jan-22	14:00	16:04	✓	□
Flushing Zone F2	5216 Catlin Lane (F2-CATL5216)	21-Jan-22	13:00	16:27	✓	□
Flushing Zone F2	5219 Catlin Lane (F2-CATL5219)	21-Jan-22	14:00	16:07	✓	□
Flushing Zone F2	5220 Catlin Lane (F2-CATL5220)	21-Jan-22	13:20	14:42	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	5221 Catlin Lane (F2-CATL5221)	21-Jan-22	15:00	16:20	<input checked="" type="checkbox"/>
Flushing Zone F2	5222 Catlin Lane (F2-CATL5222)	21-Jan-22	13:31	14:37	<input checked="" type="checkbox"/>
Flushing Zone F2	5223 Catlin Lane (F2-CATL5223)	21-Jan-22	15:50	15:50	<input checked="" type="checkbox"/>
Flushing Zone F2	5224 Catlin Lane (F2-CATL5224)	21-Jan-22	13:00	14:34	<input checked="" type="checkbox"/>
Flushing Zone F2	5225 Catlin Lane (F2-CATL5225)	21-Jan-22	15:17	16:24	<input checked="" type="checkbox"/>
Flushing Zone F2	5226 Catlin Lane (F2-CATL5226)	21-Jan-22	13:00	16:29	<input checked="" type="checkbox"/>
Flushing Zone F2	5227 Catlin Lane (F2-CATL5227)	21-Jan-22	14:00	16:01	<input checked="" type="checkbox"/>
Flushing Zone F2	5228 Catlin Lane (F2-CATL5228)	21-Jan-22	15:00	16:18	<input checked="" type="checkbox"/>
Flushing Zone F2	5229 Catlin Lane (F2-CATL5229)	21-Jan-22	14:00	16:03	<input checked="" type="checkbox"/>
Flushing Zone F2	5230 Catlin Lane (F2-CATL5230)	21-Jan-22	15:01	16:08	<input checked="" type="checkbox"/>
Flushing Zone F2	5231 Catlin Lane (F2-CATL5231)	21-Jan-22	14:00	15:46	<input checked="" type="checkbox"/>
Flushing Zone F2	5233 Catlin Lane (F2-CATL5233)	21-Jan-22	14:00	15:43	<input checked="" type="checkbox"/>
Flushing Zone F2	5260 Catlin Lane (F2-CATL5260)	21-Jan-22	16:06	17:24	<input checked="" type="checkbox"/>
Flushing Zone F2	5262 Catlin Lane (F2-CATL5262)	21-Jan-22	16:05	16:36	<input checked="" type="checkbox"/>
Flushing Zone F2	5266 Catlin Lane (F2-CATL5266)	21-Jan-22	16:00	17:08	<input checked="" type="checkbox"/>
Flushing Zone F2	5268 Catlin Lane (F2-CATL5268)	21-Jan-22	16:00	17:20	<input checked="" type="checkbox"/>
Flushing Zone F2	5270 Catlin Lane (F2-CATL5270)	21-Jan-22	16:30	17:02	<input checked="" type="checkbox"/>
Flushing Zone F2	5272 Catlin Lane (F2-CATL5272)	01-Feb-22	09:00	08:46	<input checked="" type="checkbox"/>
Flushing Zone F2	5282 Catlin Lane (F2-CATL5282)	21-Jan-22	14:33	15:53	<input checked="" type="checkbox"/>
Flushing Zone F2	5284 Catlin Lane (F2-CATL5284)	21-Jan-22	14:36	16:04	<input checked="" type="checkbox"/>
Flushing Zone F2	5286 Catlin Lane (F2-CATL5286)	21-Jan-22	15:21	16:17	<input checked="" type="checkbox"/>
Flushing Zone F2	5290 Catlin Lane (F2-CATL5290)	21-Jan-22	15:39	16:46	<input checked="" type="checkbox"/>
Flushing Zone F2	5292 Catlin Lane (F2-CATL5292)	21-Jan-22	16:02	17:07	<input checked="" type="checkbox"/>
Flushing Zone F2	5294 Catlin Lane (F2-CATL5294)	21-Jan-22	15:09	16:32	<input checked="" type="checkbox"/>
Flushing Zone F2	5296 Catlin Lane (F2-CATL5296)	21-Jan-22	14:43	16:31	<input checked="" type="checkbox"/>
Flushing Zone F2	5298 Catlin Lane (F2-CATL5298)	21-Jan-22	14:38	17:02	<input checked="" type="checkbox"/>
Flushing Zone F2	5300 Catlin Lane (F2-CATL5300)	21-Jan-22	15:56	17:01	<input checked="" type="checkbox"/>
Flushing Zone F2	5302 Catlin Lane (F2-CATL5302)	21-Jan-22	15:22	17:19	<input checked="" type="checkbox"/>
Flushing Zone F2	5304 Catlin Lane (F2-CATL5304)	21-Jan-22	14:45	16:41	<input checked="" type="checkbox"/>
Flushing Zone F2	5308 Catlin Lane (F2-CATL5308)	21-Jan-22	15:08	17:11	<input checked="" type="checkbox"/>
Flushing Zone F2	5310 Catlin Lane (F2-CATL5310)	21-Jan-22	15:20	16:59	<input checked="" type="checkbox"/>
Flushing Zone F2	5315 Catlin Lane (F2-CATL5315)	21-Jan-22	14:40	16:18	<input checked="" type="checkbox"/>
Flushing Zone F2	5317 Catlin Lane (F2-CATL5317)	21-Jan-22	14:45	16:09	<input checked="" type="checkbox"/>
Flushing Zone F2	5318 Catlin Lane (F2-CATL5318)	21-Jan-22	15:09	16:59	<input checked="" type="checkbox"/>
Flushing Zone F2	5319 Catlin Lane (F2-CATL5319)	21-Jan-22	15:04	17:09	<input checked="" type="checkbox"/>
Flushing Zone F2	5320 Catlin Lane (F2-CATL5320)	21-Jan-22	15:00	16:50	<input checked="" type="checkbox"/>
Flushing Zone F2	5321 Catlin Lane (F2-CATL5321)	21-Jan-22	15:03	17:06	<input checked="" type="checkbox"/>
Flushing Zone F2	4105 College Street (F2-COLE4105)	22-Jan-22	07:36	09:19	<input checked="" type="checkbox"/>
Flushing Zone F2	4109 College Street (F2-COLE4109)	22-Jan-22	07:41	09:20	<input checked="" type="checkbox"/>
Flushing Zone F2	4110 College Street (F2-COLE4110)	22-Jan-22	07:41	09:20	<input checked="" type="checkbox"/>
Flushing Zone F2	4114 College Street (F2-COLE4114)	22-Jan-22	09:06	11:10	<input checked="" type="checkbox"/>
Flushing Zone F2	4115 College Street (F2-COLE4115)	22-Jan-22	09:21	10:36	<input checked="" type="checkbox"/>
Flushing Zone F2	4121 College Street (F2-COLE4121)	22-Jan-22	09:21	10:42	<input checked="" type="checkbox"/>
Flushing Zone F2	4124 College Street (F2-COLE4124)	22-Jan-22	10:21	12:30	<input checked="" type="checkbox"/>
Flushing Zone F2	3001 Curtis Drive (F2-CURT3001)	21-Jan-22	07:35	09:27	<input checked="" type="checkbox"/>
Flushing Zone F2	3003 Curtis Drive (F2-CURT3003)	21-Jan-22	07:48	09:22	<input checked="" type="checkbox"/>
Flushing Zone F2	3005 Curtis Drive (F2-CURT3005)	21-Jan-22	07:30	09:29	<input checked="" type="checkbox"/>
Flushing Zone F2	3007 Curtis Drive (F2-CURT3007)	21-Jan-22	08:30	09:56	<input checked="" type="checkbox"/>
Flushing Zone F2	3009 Curtis Drive (F2-CURT3009)	21-Jan-22	19:00	09:20	<input checked="" type="checkbox"/>
Flushing Zone F2	3011 Curtis Drive (F2-CURT3011)	21-Jan-22	07:35	09:52	<input checked="" type="checkbox"/>
Flushing Zone F2	3013 Curtis Drive (F2-CURT3013)	21-Jan-22	07:42	09:31	<input checked="" type="checkbox"/>
Flushing Zone F2	3015 Curtis Drive (F2-CURT3015)	21-Jan-22	07:47	09:26	<input checked="" type="checkbox"/>
Flushing Zone F2	3017 Curtis Drive (F2-CURT3017)	21-Jan-22	07:35	09:24	<input checked="" type="checkbox"/>
Flushing Zone F2	3019 Curtis Drive (F2-CURT3019)	21-Jan-22	08:10	09:36	<input checked="" type="checkbox"/>
Flushing Zone F2	3041 Daily Drive (F2-DALY3041)	21-Jan-22	10:00	11:29	<input checked="" type="checkbox"/>
Flushing Zone F2	3043 Daily Drive (F2-DALY3043)	21-Jan-22	09:00	11:18	<input checked="" type="checkbox"/>
Flushing Zone F2	3045 Daily Drive (F2-DALY3045)	21-Jan-22	08:00	10:06	<input checked="" type="checkbox"/>
Flushing Zone F2	3047 Daily Drive (F2-DALY3047)	21-Jan-22	08:00	09:27	<input checked="" type="checkbox"/>
Flushing Zone F2	3049 Daily Drive (F2-DALY3049)	21-Jan-22	08:00	09:15	<input checked="" type="checkbox"/>
Flushing Zone F2	3051 Daily Drive (F2-DALY3051)	21-Jan-22	08:00	17:00	<input checked="" type="checkbox"/>
Flushing Zone F2	3053 Daily Drive (F2-DALY3053)	21-Jan-22	09:00	10:36	<input checked="" type="checkbox"/>
Flushing Zone F2	3055 Daily Drive (F2-DALY3055)	21-Jan-22	09:00	11:28	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	567 Dewert Court (F2-DEWE0567)	21-Jan-22	13:04	14:07	<input checked="" type="checkbox"/>
Flushing Zone F2	568 Dewert Court (F2-DEWE0568)	21-Jan-22	12:34	14:14	<input checked="" type="checkbox"/>
Flushing Zone F2	569 Dewert Court (F2-DEWE0569)	21-Jan-22	14:08	14:46	<input checked="" type="checkbox"/>
Flushing Zone F2	570 Dewert Court (F2-DEWE0570)	21-Jan-22	12:32	14:14	<input checked="" type="checkbox"/>
Flushing Zone F2	3209 Dewert Lane (F2-DEWE3209)	21-Jan-22	11:14	12:31	<input checked="" type="checkbox"/>
Flushing Zone F2	3211 Dewert Lane (F2-DEWE3211)	21-Jan-22	12:24	15:07	<input checked="" type="checkbox"/>
Flushing Zone F2	3213 Dewert Lane (F2-DEWE3213)	21-Jan-22	10:48	12:25	<input checked="" type="checkbox"/>
Flushing Zone F2	3215 Dewert Lane (F2-DEWE3215)	21-Jan-22	11:58	13:37	<input checked="" type="checkbox"/>
Flushing Zone F2	3216 Dewert Lane (F2-DEWE3216)	21-Jan-22	11:50	13:47	<input checked="" type="checkbox"/>
Flushing Zone F2	3217 Dewert Lane (F2-DEWE3217)	21-Jan-22	10:42	11:54	<input checked="" type="checkbox"/>
Flushing Zone F2	3218 Dewert Lane (F2-DEWE3218)	21-Jan-22	11:05	13:40	<input checked="" type="checkbox"/>
Flushing Zone F2	3219 Dewert Lane (F2-DEWE3219)	21-Jan-22	10:00	10:57	<input checked="" type="checkbox"/>
Flushing Zone F2	3221 Dewert Lane (F2-DEWE3221)	21-Jan-22	08:40	10:43	<input checked="" type="checkbox"/>
Flushing Zone F2	3222 Dewert Lane (F2-DEWE3222)	21-Jan-22	10:20	11:39	<input checked="" type="checkbox"/>
Flushing Zone F2	3223 Dewert Lane (F2-DEWE3223)	21-Jan-22	08:33	10:11	<input checked="" type="checkbox"/>
Flushing Zone F2	3224 Dewert Lane (F2-DEWE3224)	21-Jan-22	08:57	08:58	<input checked="" type="checkbox"/>
Flushing Zone F2	3229 Dewert Lane (F2-DEWE3229)	21-Jan-22	08:30	11:17	<input checked="" type="checkbox"/>
Flushing Zone F2	3230 Dewert Lane (F2-DEWE3230)	21-Jan-22	10:53	11:38	<input checked="" type="checkbox"/>
Flushing Zone F2	3231 Dewert Lane (F2-DEWE3231)	21-Jan-22	08:30	10:13	<input checked="" type="checkbox"/>
Flushing Zone F2	3232 Dewert Lane (F2-DEWE3232)	21-Jan-22	11:53	12:41	<input checked="" type="checkbox"/>
Flushing Zone F2	3233 Dewert Lane (F2-DEWE3233)	21-Jan-22	07:29	07:30	<input checked="" type="checkbox"/>
Flushing Zone F2	3234 Dewert Lane (F2-DEWE3234)	21-Jan-22	10:10	10:49	<input checked="" type="checkbox"/>
Flushing Zone F2	3235 Dewert Lane (F2-DEWE3235)	21-Jan-22	12:02	14:14	<input checked="" type="checkbox"/>
Flushing Zone F2	3236 Dewert Lane (F2-DEWE3236)	21-Jan-22	09:26	10:10	<input checked="" type="checkbox"/>
Flushing Zone F2	3237 Dewert Lane (F2-DEWE3237)	21-Jan-22	09:20	12:00	<input checked="" type="checkbox"/>
Flushing Zone F2	3238 Dewert Lane (F2-DEWE3238)	21-Jan-22	07:27	07:28	<input checked="" type="checkbox"/>
Flushing Zone F2	3239 Dewert Lane (F2-DEWE3239)	21-Jan-22	08:30	11:40	<input checked="" type="checkbox"/>
Flushing Zone F2	3240 Dewert Lane (F2-DEWE3240)	21-Jan-22	08:32	09:24	<input checked="" type="checkbox"/>
Flushing Zone F2	575 Dickson Lane (F2-DICK0575)	21-Jan-22	15:27	17:02	<input checked="" type="checkbox"/>
Flushing Zone F2	578 Dickson Lane (F2-DICK0578)	21-Jan-22	14:32	16:36	<input checked="" type="checkbox"/>
Flushing Zone F2	582 Dickson Lane (F2-DICK0582)	21-Jan-22	12:19	14:31	<input checked="" type="checkbox"/>
Flushing Zone F2	583 Dickson Lane (F2-DICK0583)	21-Jan-22	13:06	15:27	<input checked="" type="checkbox"/>
Flushing Zone F2	586 Dickson Lane (F2-DICK0586)	21-Jan-22	12:19	14:31	<input checked="" type="checkbox"/>
Flushing Zone F2	264A Doris Miller Loop (F2-DORJ264A)	22-Jan-22	08:00	09:59	<input checked="" type="checkbox"/>
Flushing Zone F2	264B Doris Miller Loop (F2-DORJ264B)	21-Jan-22	16:00	17:11	<input checked="" type="checkbox"/>
Flushing Zone F2	264C Doris Miller Loop (F2-DORJ264C)	21-Jan-22	15:58	18:00	<input checked="" type="checkbox"/>
Flushing Zone F2	264D Doris Miller Loop (F2-DORJ264D)	21-Jan-22	15:14	18:15	<input checked="" type="checkbox"/>
Flushing Zone F2	265A Doris Miller Loop (F2-DORJ265A)	21-Jan-22	15:38	17:39	<input checked="" type="checkbox"/>
Flushing Zone F2	265B Doris Miller Loop (F2-DORJ265B)	21-Jan-22	15:35	17:37	<input checked="" type="checkbox"/>
Flushing Zone F2	265C Doris Miller Loop (F2-DORJ265C)	21-Jan-22	16:35	18:04	<input checked="" type="checkbox"/>
Flushing Zone F2	265D Doris Miller Loop (F2-DORJ265D)	21-Jan-22	08:00	11:17	<input checked="" type="checkbox"/>
Flushing Zone F2	266A Doris Miller Loop (F2-DORJ266A)	21-Jan-22	12:38	14:23	<input checked="" type="checkbox"/>
Flushing Zone F2	266B Doris Miller Loop (F2-DORJ266B)	21-Jan-22	12:18	13:51	<input checked="" type="checkbox"/>
Flushing Zone F2	266C Doris Miller Loop (F2-DORJ266C)	21-Jan-22	11:00	12:35	<input checked="" type="checkbox"/>
Flushing Zone F2	266D Doris Miller Loop (F2-DORJ266D)	21-Jan-22	10:46	12:36	<input checked="" type="checkbox"/>
Flushing Zone F2	267A Doris Miller Loop (F2-DORJ267A)	21-Jan-22	15:28	17:30	<input checked="" type="checkbox"/>
Flushing Zone F2	267B Doris Miller Loop (F2-DORJ267B)	21-Jan-22	15:30	17:32	<input checked="" type="checkbox"/>
Flushing Zone F2	267C Doris Miller Loop (F2-DORJ267C)	22-Jan-22	09:00	10:19	<input checked="" type="checkbox"/>
Flushing Zone F2	267D Doris Miller Loop (F2-DORJ267D)	22-Jan-22	08:00	09:29	<input checked="" type="checkbox"/>
Flushing Zone F2	268A Doris Miller Loop (F2-DORJ268A)	23-Jan-22	22:17	12:17	<input checked="" type="checkbox"/>
Flushing Zone F2	268B Doris Miller Loop (F2-DORJ268B)	21-Jan-22	15:47	16:48	<input checked="" type="checkbox"/>
Flushing Zone F2	268C Doris Miller Loop (F2-DORJ268C)	21-Jan-22	15:33	17:34	<input checked="" type="checkbox"/>
Flushing Zone F2	268D Doris Miller Loop (F2-DORJ268D)	21-Jan-22	17:00	18:11	<input checked="" type="checkbox"/>
Flushing Zone F2	269A Doris Miller Loop (F2-DORJ269A)	21-Jan-22	15:39	17:41	<input checked="" type="checkbox"/>
Flushing Zone F2	269B Doris Miller Loop (F2-DORJ269B)	21-Jan-22	15:41	17:43	<input checked="" type="checkbox"/>
Flushing Zone F2	269C Doris Miller Loop (F2-DORJ269C)	21-Jan-22	15:00	17:01	<input checked="" type="checkbox"/>
Flushing Zone F2	269D Doris Miller Loop (F2-DORJ269D)	21-Jan-22	16:00	16:44	<input checked="" type="checkbox"/>
Flushing Zone F2	270A Doris Miller Loop (F2-DORJ270A)	21-Jan-22	15:00	16:49	<input checked="" type="checkbox"/>
Flushing Zone F2	270B Doris Miller Loop (F2-DORJ270B)	21-Jan-22	14:19	15:13	<input checked="" type="checkbox"/>
Flushing Zone F2	270C Doris Miller Loop (F2-DORJ270C)	21-Jan-22	13:40	16:52	<input checked="" type="checkbox"/>
Flushing Zone F2	270D Doris Miller Loop (F2-DORJ270D)	22-Jan-22	11:00	14:29	<input checked="" type="checkbox"/>
Flushing Zone F2	271A Doris Miller Loop (F2-DORJ271A)	21-Jan-22	13:40	16:31	<input checked="" type="checkbox"/>

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Flushing Zone F2

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Flushing Zone F2	271B Doris Miller Loop (F2-DORJ2271B)	21-Jan-22	13:41	15:19	✓	□
Flushing Zone F2	271C Doris Miller Loop (F2-DORJ2271C)	21-Jan-22	14:40	15:20	✓	□
Flushing Zone F2	271D Doris Miller Loop (F2-DORJ2271D)	21-Jan-22	15:15	17:48	✓	□
Flushing Zone F2	272A Doris Miller Loop (F2-DORJ2272A)	22-Jan-22	11:00	14:27	✓	□
Flushing Zone F2	272B Doris Miller Loop (F2-DORJ2272B)	22-Jan-22	10:00	12:46	✓	□
Flushing Zone F2	272C Doris Miller Loop (F2-DORJ2272C)	22-Jan-22	11:00	14:26	✓	□
Flushing Zone F2	272D Doris Miller Loop (F2-DORJ2272D)	22-Jan-22	13:00	14:25	✓	□
Flushing Zone F2	273A Doris Miller Loop (F2-DORJ2273A)	21-Jan-22	03:25	16:32	✓	□
Flushing Zone F2	273B Doris Miller Loop (F2-DORJ2273B)	21-Jan-22	13:44	15:49	✓	□
Flushing Zone F2	273C Doris Miller Loop (F2-DORJ2273C)	21-Jan-22	15:07	16:19	✓	□
Flushing Zone F2	273D Doris Miller Loop (F2-DORJ2273D)	21-Jan-22	13:38	15:16	✓	□
Flushing Zone F2	274A Doris Miller Loop (F2-DORJ2274A)	21-Jan-22	13:45	15:53	✓	□
Flushing Zone F2	274B Doris Miller Loop (F2-DORJ2274B)	21-Jan-22	13:45	15:56	✓	□
Flushing Zone F2	274C Doris Miller Loop (F2-DORJ2274C)	21-Jan-22	14:40	16:34	✓	□
Flushing Zone F2	274D Doris Miller Loop (F2-DORJ2274D)	21-Jan-22	15:45	17:39	✓	□
Flushing Zone F2	275A Doris Miller Loop (F2-DORJ2275A)	21-Jan-22	15:00	17:16	✓	□
Flushing Zone F2	275B Doris Miller Loop (F2-DORJ2275B)	21-Jan-22	15:30	17:15	✓	□
Flushing Zone F2	275C Doris Miller Loop (F2-DORJ2275C)	22-Jan-22	08:00	10:21	✓	□
Flushing Zone F2	275D Doris Miller Loop (F2-DORJ2275D)	22-Jan-22	09:00	10:21	✓	□
Flushing Zone F2	276A Doris Miller Loop (F2-DORJ2276A)	21-Jan-22	15:00	17:20	✓	□
Flushing Zone F2	276B Doris Miller Loop (F2-DORJ2276B)	22-Jan-22	11:00	14:21	✓	□
Flushing Zone F2	276C Doris Miller Loop (F2-DORJ2276C)	21-Jan-22	15:10	16:36	✓	□
Flushing Zone F2	276D Doris Miller Loop (F2-DORJ2276D)	21-Jan-22	15:28	17:22	✓	□
Flushing Zone F2	277A Doris Miller Loop (F2-DORJ2277A)	22-Jan-22	13:00	14:16	✓	□
Flushing Zone F2	277B Doris Miller Loop (F2-DORJ2277B)	22-Jan-22	10:00	14:19	✓	□
Flushing Zone F2	277C Doris Miller Loop (F2-DORJ2277C)	21-Jan-22	16:00	18:12	✓	□
Flushing Zone F2	277D Doris Miller Loop (F2-DORJ2277D)	21-Jan-22	15:28	17:53	✓	□
Flushing Zone F2	2983 Driveisstell Drive (F2-DNIS2983)	21-Jan-22	07:40	09:39	✓	□
Flushing Zone F2	2985 Driveisstell Drive (F2-DNIS2985)	23-Jan-22	15:42	15:43	✓	□
Flushing Zone F2	2987 Driveisstell Drive (F2-DNIS2987)	21-Jan-22	08:22	09:45	✓	□
Flushing Zone F2	2989 Driveisstell Drive (F2-DNIS2989)	21-Jan-22	08:15	09:54	✓	□
Flushing Zone F2	2991 Driveisstell Drive (F2-DNIS2991)	21-Jan-22	10:00	15:01	✓	□
Flushing Zone F2	2993 Driveisstell Drive (F2-DNIS2993)	21-Jan-22	07:43	09:41	✓	□
Flushing Zone F2	2995 Driveisstell Drive (F2-DNIS2995)	21-Jan-22	09:30	15:02	✓	□
Flushing Zone F2	2997 Driveisstell Drive (F2-DNIS2997)	21-Jan-22	07:45	09:49	✓	□
Flushing Zone F2	4009 Enger Street (F2-ENGE4009)	22-Jan-22	10:00	10:59	✓	□
Flushing Zone F2	4017 Enger Street (F2-ENGE4017)	22-Jan-22	10:00	11:02	✓	□
Flushing Zone F2	4032 Enger Street (F2-ENGE4032)	22-Jan-22	11:00	12:13	✓	□
Flushing Zone F2	4037 Enger Street (F2-ENGE4037)	22-Jan-22	12:00	13:15	✓	□
Flushing Zone F2	4038 Enger Street (F2-ENGE4038)	22-Jan-22	12:00	13:16	✓	□
Flushing Zone F2	4042 Enger Street (F2-ENGE4042)	22-Jan-22	12:49	13:29	✓	□
Flushing Zone F2	4043 Enger Street (F2-ENGE4043)	22-Jan-22	20:00	09:37	✓	□
Flushing Zone F2	4044 Enger Street (F2-ENGE4044)	22-Jan-22	11:49	12:29	✓	□
Flushing Zone F2	4048 Enger Street (F2-ENGE4048)	22-Jan-22	11:24	12:19	✓	□
Flushing Zone F2	4053 Enger Street (F2-ENGE4053)	22-Jan-22	09:37	10:33	✓	□
Flushing Zone F2	4056 Enger Street (F2-ENGE4056)	22-Jan-22	10:37	11:17	✓	□
Flushing Zone F2	4057 Enger Street (F2-ENGE4057)	22-Jan-22	10:35	11:12	✓	□
Flushing Zone F2	4062 Enger Street (F2-ENGE4062)	22-Jan-22	08:00	09:21	✓	□
Flushing Zone F2	4065 Enger Street (F2-ENGE4065)	22-Jan-22	10:50	14:12	✓	□
Flushing Zone F2	4066 Enger Street (F2-ENGE4066)	22-Jan-22	09:00	10:37	✓	□
Flushing Zone F2	4067 Enger Street (F2-ENGE4067)	22-Jan-22	11:36	12:19	✓	□
Flushing Zone F2	4073 Enger Street (F2-ENGE4073)	22-Jan-22	12:30	13:14	✓	□
Flushing Zone F2	4074 Enger Street (F2-ENGE4074)	22-Jan-22	08:00	09:16	✓	□
Flushing Zone F2	4076 Enger Street (F2-ENGE4076)	22-Jan-22	13:00	14:10	✓	□
Flushing Zone F2	4115 Enger Street (F2-ENGE4115)	22-Jan-22	08:00	10:12	✓	□
Flushing Zone F2	4130 Enger Street (F2-ENGE4130)	22-Jan-22	07:55	09:50	✓	□
Flushing Zone F2	4116 Fincher Street (F2-FINC4116)	21-Jan-22	08:11	12:24	✓	□
Flushing Zone F2	4118 Fincher Street (F2-FINC4118)	21-Jan-22	13:53	16:08	✓	□
Flushing Zone F2	4122 Fincher Street (F2-FINC4122)	21-Jan-22	10:27	16:43	✓	□
Flushing Zone F2	4123 Fincher Street (F2-FINC4123)	21-Jan-22	13:27	15:35	✓	□
Flushing Zone F2	4126 Fincher Street (F2-FINC4126)	21-Jan-22	10:00	12:26	✓	□
Flushing Zone F2	4129 Fincher Street (F2-FINC4129)	21-Jan-22	07:59	10:20	✓	□
Flushing Zone F2	4131 Fincher Street (F2-FINC4131)	21-Jan-22	08:21	10:21	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	4138 Fincher Street (F2-FINC4138)	21-Jan-22	10:22	14:31	<input checked="" type="checkbox"/>
Flushing Zone F2	4141 Fincher Street (F2-FINC4141)	21-Jan-22	10:56	12:43	<input checked="" type="checkbox"/>
Flushing Zone F2	4142 Fincher Street (F2-FINC4142)	21-Jan-22	14:29	16:37	<input checked="" type="checkbox"/>
Flushing Zone F2	4146 Fincher Street (F2-FINC4146)	21-Jan-22	08:00	09:54	<input checked="" type="checkbox"/>
Flushing Zone F2	4147 Fincher Street (F2-FINC4147)	21-Jan-22	09:40	11:27	<input checked="" type="checkbox"/>
Flushing Zone F2	4151 Fincher Street (F2-FINC4151)	21-Jan-22	00:30	13:47	<input checked="" type="checkbox"/>
Flushing Zone F2	4152 Fincher Street (F2-FINC4152)	21-Jan-22	13:55	15:08	<input checked="" type="checkbox"/>
Flushing Zone F2	4155 Fincher Street (F2-FINC4155)	21-Jan-22	03:15	16:57	<input checked="" type="checkbox"/>
Flushing Zone F2	4161 Fincher Street (F2-FINC4161)	08-Jan-22	08:00	11:47	<input checked="" type="checkbox"/>
Flushing Zone F2	4162 Fincher Street (F2-FINC4162)	21-Jan-22	10:30	11:58	<input checked="" type="checkbox"/>
Flushing Zone F2	4165 Fincher Street (F2-FINC4165)	21-Jan-22	10:00	11:49	<input checked="" type="checkbox"/>
Flushing Zone F2	4170 Fincher Street (F2-FINC4170)	21-Jan-22	11:25	13:00	<input checked="" type="checkbox"/>
Flushing Zone F2	4171 Fincher Street (F2-FINC4171)	21-Jan-22	14:00	15:49	<input checked="" type="checkbox"/>
Flushing Zone F2	4175 Fincher Street (F2-FINC4175)	21-Jan-22	08:10	10:04	<input checked="" type="checkbox"/>
Flushing Zone F2	3177 Gillespie Lane (F2-GILL3177)	21-Jan-22	08:00	10:41	<input checked="" type="checkbox"/>
Flushing Zone F2	3178 Gillespie Lane (F2-GILL3178)	21-Jan-22	08:20	10:18	<input checked="" type="checkbox"/>
Flushing Zone F2	3179 Gillespie Lane (F2-GILL3179)	21-Jan-22	08:00	10:43	<input checked="" type="checkbox"/>
Flushing Zone F2	3180 Gillespie Lane (F2-GILL3180)	21-Jan-22	08:20	10:34	<input checked="" type="checkbox"/>
Flushing Zone F2	3181 Gillespie Lane (F2-GILL3181)	21-Jan-22	08:03	10:36	<input checked="" type="checkbox"/>
Flushing Zone F2	3182 Gillespie Lane (F2-GILL3182)	21-Jan-22	08:20	10:47	<input checked="" type="checkbox"/>
Flushing Zone F2	3183 Gillespie Lane (F2-GILL3183)	21-Jan-22	08:07	10:39	<input checked="" type="checkbox"/>
Flushing Zone F2	3184 Gillespie Lane (F2-GILL3184)	21-Jan-22	08:20	11:09	<input checked="" type="checkbox"/>
Flushing Zone F2	3185 Gillespie Lane (F2-GILL3185)	21-Jan-22	08:10	11:08	<input checked="" type="checkbox"/>
Flushing Zone F2	3186 Gillespie Lane (F2-GILL3186)	21-Jan-22	08:10	10:46	<input checked="" type="checkbox"/>
Flushing Zone F2	3187 Gillespie Lane (F2-GILL3187)	21-Jan-22	08:00	11:10	<input checked="" type="checkbox"/>
Flushing Zone F2	3188 Gillespie Lane (F2-GILL3188)	21-Jan-22	08:13	10:45	<input checked="" type="checkbox"/>
Flushing Zone F2	3192 Gillespie Lane (F2-GILL3192)	21-Jan-22	08:19	11:50	<input checked="" type="checkbox"/>
Flushing Zone F2	3194 Gillespie Lane (F2-GILL3194)	21-Jan-22	08:21	10:52	<input checked="" type="checkbox"/>
Flushing Zone F2	3199 Gillespie Lane (F2-GILL3199)	21-Jan-22	07:40	10:56	<input checked="" type="checkbox"/>
Flushing Zone F2	3200 Gillespie Lane (F2-GILL3200)	21-Jan-22	07:32	10:05	<input checked="" type="checkbox"/>
Flushing Zone F2	3201 Gillespie Lane (F2-GILL3201)	21-Jan-22	07:40	09:46	<input checked="" type="checkbox"/>
Flushing Zone F2	3202 Gillespie Lane (F2-GILL3202)	21-Jan-22	08:18	10:07	<input checked="" type="checkbox"/>
Flushing Zone F2	3203 Gillespie Lane (F2-GILL3203)	21-Jan-22	10:56	13:35	<input checked="" type="checkbox"/>
Flushing Zone F2	3204 Gillespie Lane (F2-GILL3204)	21-Jan-22	10:34	12:18	<input checked="" type="checkbox"/>
Flushing Zone F2	3205 Gillespie Lane (F2-GILL3205)	21-Jan-22	09:55	12:05	<input checked="" type="checkbox"/>
Flushing Zone F2	3206 Gillespie Lane (F2-GILL3206)	21-Jan-22	10:34	12:19	<input checked="" type="checkbox"/>
Flushing Zone F2	3209 Gillespie Lane (F2-GILL3209)	21-Jan-22	12:21	14:23	<input checked="" type="checkbox"/>
Flushing Zone F2	3210 Gillespie Lane (F2-GILL3210)	21-Jan-22	14:00	15:46	<input checked="" type="checkbox"/>
Flushing Zone F2	3211 Gillespie Lane (F2-GILL3211)	21-Jan-22	12:05	14:10	<input checked="" type="checkbox"/>
Flushing Zone F2	3212 Gillespie Lane (F2-GILL3212)	21-Jan-22	14:00	16:32	<input checked="" type="checkbox"/>
Flushing Zone F2	3217 Gillespie Lane (F2-GILL3217)	21-Jan-22	11:28	14:09	<input checked="" type="checkbox"/>
Flushing Zone F2	3215 Gillespie Lane (F2-GILL3215)	21-Jan-22	08:33	10:48	<input checked="" type="checkbox"/>
Flushing Zone F2	3218 Gillespie Lane (F2-GILL3218)	21-Jan-22	14:00	15:45	<input checked="" type="checkbox"/>
Flushing Zone F2	3219 Gillespie Lane (F2-GILL3219)	21-Jan-22	08:33	10:46	<input checked="" type="checkbox"/>
Flushing Zone F2	3220 Gillespie Lane (F2-GILL3220)	21-Jan-22	14:31	16:52	<input checked="" type="checkbox"/>
Flushing Zone F2	3221 Gillespie Lane (F2-GILL3221)	21-Jan-22	11:29	13:22	<input checked="" type="checkbox"/>
Flushing Zone F2	3222 Gillespie Lane (F2-GILL3222)	21-Jan-22	08:03	10:50	<input checked="" type="checkbox"/>
Flushing Zone F2	3223 Gillespie Lane (F2-GILL3223)	21-Jan-22	13:30	15:56	<input checked="" type="checkbox"/>
Flushing Zone F2	3224 Gillespie Lane (F2-GILL3224)	21-Jan-22	08:03	10:56	<input checked="" type="checkbox"/>
Flushing Zone F2	3225 Gillespie Lane (F2-GILL3225)	21-Jan-22	14:27	16:58	<input checked="" type="checkbox"/>
Flushing Zone F2	3228 Gillespie Lane (F2-GILL3228)	21-Jan-22	08:41	11:24	<input checked="" type="checkbox"/>
Flushing Zone F2	3229 Gillespie Lane (F2-GILL3229)	21-Jan-22	16:00	18:50	<input checked="" type="checkbox"/>
Flushing Zone F2	3230 Gillespie Lane (F2-GILL3230)	21-Jan-22	11:38	14:38	<input checked="" type="checkbox"/>
Flushing Zone F2	3231 Gillespie Lane (F2-GILL3231)	21-Jan-22	07:27	10:12	<input checked="" type="checkbox"/>
Flushing Zone F2	3232 Gillespie Lane (F2-GILL3232)	21-Jan-22	11:47	15:48	<input checked="" type="checkbox"/>
Flushing Zone F2	3233 Gillespie Lane (F2-GILL3233)	21-Jan-22	10:20	12:40	<input checked="" type="checkbox"/>
Flushing Zone F2	3234 Gillespie Lane (F2-GILL3234)	21-Jan-22	11:48	14:51	<input checked="" type="checkbox"/>
Flushing Zone F2	3235 Gillespie Lane (F2-GILL3235)	21-Jan-22	08:26	10:16	<input checked="" type="checkbox"/>
Flushing Zone F2	3236 Gillespie Lane (F2-GILL3236)	21-Jan-22	15:49	17:51	<input checked="" type="checkbox"/>
Flushing Zone F2	3238 Gillespie Lane (F2-GILL3238)	21-Jan-22	10:16	12:40	<input checked="" type="checkbox"/>
Flushing Zone F2	3239 Gillespie Lane (F2-GILL3239)	21-Jan-22	10:15	11:55	<input checked="" type="checkbox"/>
Flushing Zone F2	3240 Gillespie Lane (F2-GILL3240)	21-Jan-22	10:12	12:08	<input checked="" type="checkbox"/>
Flushing Zone F2	3241 Gillespie Lane (F2-GILL3241)	21-Jan-22	10:14	12:24	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	3242 Gillespie Lane (F2-GILL3242)	21-Jan-22	10:12	12:25	✓	□
Flushing Zone F2	2611 Gordon Street (F2-GORD2611)	22-Jan-22	07:59	09:13	✓	□
Flushing Zone F2	2613 Gordon Street (F2-GORD2613)	22-Jan-22	07:59	09:10	✓	□
Flushing Zone F2	2615 Gordon Street (F2-GORD2615)	22-Jan-22	09:13	10:53	✓	□
Flushing Zone F2	2617 Gordon Street (F2-GORD2617)	22-Jan-22	09:13	10:52	✓	□
Flushing Zone F2	2623 Gordon Street (F2-GORD2623)	22-Jan-22	09:47	14:58	✓	□
Flushing Zone F2	2625 Gordon Street (F2-GORD2625)	22-Jan-22	10:53	13:12	✓	□
Flushing Zone F2	2627 Gordon Street (F2-GORD2627)	22-Jan-22	11:21	12:44	✓	□
Flushing Zone F2	2629 Gordon Street (F2-GORD2629)	22-Jan-22	11:21	13:11	✓	□
Flushing Zone F2	2631 Gordon Street (F2-GORD2631)	22-Jan-22	09:26	10:48	✓	□
Flushing Zone F2	2633 Gordon Street (F2-GORD2633)	22-Jan-22	08:09	10:17	✓	□
Flushing Zone F2	2635 Gordon Street (F2-GORD2635)	22-Jan-22	07:55	10:17	✓	□
Flushing Zone F2	2636 Gordon Street (F2-GORD2636)	22-Jan-22	07:47	14:49	✓	□
Flushing Zone F2	2637 Gordon Street (F2-GORD2637)	22-Jan-22	09:25	10:48	✓	□
Flushing Zone F2	2639 Gordon Street (F2-GORD2639)	22-Jan-22	10:53	12:48	✓	□
Flushing Zone F2	2641 Gordon Street (F2-GORD2641)	22-Jan-22	10:51	12:49	✓	□
Flushing Zone F2	2643 Gordon Street (F2-GORD2643)	22-Jan-22	12:09	14:07	✓	□
Flushing Zone F2	2644 Gordon Street (F2-GORD2644)	22-Jan-22	10:30	13:17	✓	□
Flushing Zone F2	2645 Gordon Street (F2-GORD2645)	22-Jan-22	12:08	14:06	✓	□
Flushing Zone F2	2647 Gordon Street (F2-GORD2647)	22-Jan-22	09:37	10:56	✓	□
Flushing Zone F2	2648 Gordon Street (F2-GORD2648)	22-Jan-22	10:45	13:19	✓	□
Flushing Zone F2	2649 Gordon Street (F2-GORD2649)	22-Jan-22	07:50	09:36	✓	□
Flushing Zone F2	2651 Gordon Street (F2-GORD2651)	22-Jan-22	08:02	09:33	✓	□
Flushing Zone F2	2653 Gordon Street (F2-GORD2653)	22-Jan-22	09:40	11:21	✓	□
Flushing Zone F2	2654 Gordon Street (F2-GORD2654)	22-Jan-22	08:01	10:49	✓	□
Flushing Zone F2	2657 Gordon Street (F2-GORD2657)	22-Jan-22	08:00	14:03	✓	□
Flushing Zone F2	2659 Gordon Street (F2-GORD2659)	21-Jan-22	21:20	17:57	✓	□
Flushing Zone F2	2660 Gordon Street (F2-GORD2660)	22-Jan-22	08:02	10:37	✓	□
Flushing Zone F2	2661 Gordon Street (F2-GORD2661)	22-Jan-22	11:14	13:07	✓	□
Flushing Zone F2	2663 Gordon Street (F2-GORD2663)	22-Jan-22	11:10	13:08	✓	□
Flushing Zone F2	2665 Gordon Street (F2-GORD2665)	22-Jan-22	16:26	16:26	✓	□
Flushing Zone F2	2667 Gordon Street (F2-GORD2667)	22-Jan-22	13:22	16:03	✓	□
Flushing Zone F2	2669 Gordon Street (F2-GORD2669)	22-Jan-22	13:00	15:08	✓	□
Flushing Zone F2	2671 Gordon Street (F2-GORD2671)	22-Jan-22	13:28	14:35	✓	□
Flushing Zone F2	2681 Gordon Street (F2-GORD2681)	22-Jan-22	07:32	10:05	✓	□
Flushing Zone F2	2683 Gordon Street (F2-GORD2683)	22-Jan-22	07:32	09:52	✓	□
Flushing Zone F2	2685 Gordon Street (F2-GORD2685)	22-Jan-22	07:48	15:26	✓	□
Flushing Zone F2	2687 Gordon Street (F2-GORD2687)	22-Jan-22	08:28	11:15	✓	□
Flushing Zone F2	2690 Gordon Street (F2-GORD2690)	22-Jan-22	08:51	11:59	✓	□
Flushing Zone F2	2691 Gordon Street (F2-GORD2691)	22-Jan-22	08:28	11:17	✓	□
Flushing Zone F2	2695 Gordon Street (F2-GORD2695)	22-Jan-22	08:28	11:15	✓	□
Flushing Zone F2	2698 Gordon Street (F2-GORD2698)	22-Jan-22	08:03	15:25	✓	□
Flushing Zone F2	2699 Gordon Street (F2-GORD2699)	22-Jan-22	10:02	11:33	✓	□
Flushing Zone F2	2704 Gordon Street (F2-GORD2704)	22-Jan-22	08:08	11:56	✓	□
Flushing Zone F2	2710 Gordon Street (F2-GORD2710)	22-Jan-22	08:03	10:46	✓	□
Flushing Zone F2	2713 Gordon Street (F2-GORD2713)	22-Jan-22	12:09	13:47	✓	□
Flushing Zone F2	2717 Gordon Street (F2-GORD2717)	22-Jan-22	12:09	13:46	✓	□
Flushing Zone F2	2720 Gordon Street (F2-GORD2720)	22-Jan-22	11:01	13:37	✓	□
Flushing Zone F2	2721 Gordon Street (F2-GORD2721)	22-Jan-22	12:09	13:57	✓	□
Flushing Zone F2	2724 Gordon Street (F2-GORD2724)	22-Jan-22	11:34	11:35	✓	□
Flushing Zone F2	2725 Gordon Street (F2-GORD2725)	22-Jan-22	12:09	14:04	✓	□
Flushing Zone F2	2729 Gordon Street (F2-GORD2729)	22-Jan-22	12:44	14:36	✓	□
Flushing Zone F2	2732 Gordon Street (F2-GORD2732)	22-Jan-22	11:07	13:30	✓	□
Flushing Zone F2	2733 Gordon Street (F2-GORD2733)	21-Jan-22	08:00	09:35	✓	□
Flushing Zone F2	2735 Gordon Street (F2-GORD2735)	22-Jan-22	07:50	10:29	✓	□
Flushing Zone F2	2736 Gordon Street (F2-GORD2736)	22-Jan-22	13:14	14:37	✓	□
Flushing Zone F2	2741 Gordon Street (F2-GORD2741)	22-Jan-22	07:50	10:30	✓	□
Flushing Zone F2	2745 Gordon Street (F2-GORD2745)	21-Jan-22	08:00	10:31	✓	□
Flushing Zone F2	2751 Gordon Street (F2-GORD2751)	22-Jan-22	08:00	10:49	✓	□
Flushing Zone F2	2755 Gordon Street (F2-GORD2755)	22-Jan-22	08:00	11:46	✓	□
Flushing Zone F2	2761 Gordon Street (F2-GORD2761)	22-Jan-22	08:10	10:30	✓	□
Flushing Zone F2	2769 Gordon Street (F2-GORD2769)	22-Jan-22	10:40	13:54	✓	□
Flushing Zone F2	2775 Gordon Street (F2-GORD2775)	22-Jan-22	10:40	13:26	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	2784 Gordon Street (F2-GORD2784)	22-Jan-22	08:00	10:19	✓	□
Flushing Zone F2	2788 Gordon Street (F2-GORD2788)	22-Jan-22	08:00	10:19	✓	□
Flushing Zone F2	2792 Gordon Street (F2-GORD2792)	22-Jan-22	12:29	13:36	✓	□
Flushing Zone F2	2798 Gordon Street (F2-GORD2798)	22-Jan-22	08:04	08:48	✓	□
Flushing Zone F2	2802 Gordon Street (F2-GORD2802)	22-Jan-22	08:49	09:28	✓	□
Flushing Zone F2	2810 Gordon Street (F2-GORD2810)	22-Jan-22	09:32	10:15	✓	□
Flushing Zone F2	2816 Gordon Street (F2-GORD2816)	22-Jan-22	10:25	11:12	✓	□
Flushing Zone F2	2820 Gordon Street (F2-GORD2820)	22-Jan-22	13:00	14:36	✓	□
Flushing Zone F2	2824 Gordon Street (F2-GORD2824)	22-Jan-22	14:00	14:33	✓	□
Flushing Zone F2	2834 Gordon Street (F2-GORD2834)	21-Jan-22	09:00	13:57	✓	□
Flushing Zone F2	2835 Gordon Street (F2-GORD2835)	21-Jan-22	09:24	11:23	✓	□
Flushing Zone F2	2838 Gordon Street (F2-GORD2838)	21-Jan-22	09:52	10:08	✓	□
Flushing Zone F2	2841 Gordon Street (F2-GORD2841)	21-Jan-22	09:27	10:21	✓	□
Flushing Zone F2	2844 Gordon Street (F2-GORD2844)	21-Jan-22	11:00	13:58	✓	□
Flushing Zone F2	2847 Gordon Street (F2-GORD2847)	21-Jan-22	10:00	14:37	✓	□
Flushing Zone F2	2853 Gordon Street (F2-GORD2853)	21-Jan-22	08:15	09:33	✓	□
Flushing Zone F2	2856 Gordon Street (F2-GORD2856)	21-Jan-22	08:33	09:54	✓	□
Flushing Zone F2	2857 Gordon Street (F2-GORD2857)	21-Jan-22	09:37	11:19	✓	□
Flushing Zone F2	2859 Gordon Street (F2-GORD2859)	23-Jan-22	09:56	10:49	✓	□
Flushing Zone F2	2860 Gordon Street (F2-GORD2860)	21-Jan-22	08:30	10:19	✓	□
Flushing Zone F2	2867 Gordon Street (F2-GORD2867)	21-Jan-22	11:45	14:25	✓	□
Flushing Zone F2	2869 Gordon Street (F2-GORD2869)	21-Jan-22	11:53	14:24	✓	□
Flushing Zone F2	2870 Gordon Street (F2-GORD2870)	21-Jan-22	08:35	09:50	✓	□
Flushing Zone F2	2873 Gordon Street (F2-GORD2873)	21-Jan-22	14:40	16:22	✓	□
Flushing Zone F2	3084 Hailey Court (F2-HAIL3084)	21-Jan-22	11:27	13:04	✓	□
Flushing Zone F2	3086 Hailey Court (F2-HAIL3086)	21-Jan-22	12:30	13:48	✓	□
Flushing Zone F2	3088 Hailey Court (F2-HAIL3088)	21-Jan-22	11:28	12:51	✓	□
Flushing Zone F2	3090 Hailey Court (F2-HAIL3090)	21-Jan-22	13:22	15:08	✓	□
Flushing Zone F2	3092 Hailey Court (F2-HAIL3092)	21-Jan-22	11:12	12:44	✓	□
Flushing Zone F2	3094 Hailey Court (F2-HAIL3094)	21-Jan-22	11:00	17:45	✓	□
Flushing Zone F2	3096 Hailey Court (F2-HAIL3096)	21-Jan-22	11:18	12:46	✓	□
Flushing Zone F2	3098 Hailey Court (F2-HAIL3098)	21-Jan-22	13:25	15:06	✓	□
Flushing Zone F2	3100 Hailey Court (F2-HAIL3100)	21-Jan-22	12:10	15:11	✓	□
Flushing Zone F2	3102 Hailey Court (F2-HAIL3102)	21-Jan-22	13:20	15:09	✓	□
Flushing Zone F2	3104 Hailey Court (F2-HAIL3104)	21-Jan-22	11:30	13:56	✓	□
Flushing Zone F2	3106 Hailey Court (F2-HAIL3106)	23-Jan-22	15:23	16:07	✓	□
Flushing Zone F2	3108 Hailey Court (F2-HAIL3108)	21-Jan-22	12:00	13:49	✓	□
Flushing Zone F2	3110 Hailey Court (F2-HAIL3110)	21-Jan-22	11:30	12:19	✓	□
Flushing Zone F2	3112 Hailey Court (F2-HAIL3112)	21-Jan-22	10:35	12:18	✓	□
Flushing Zone F2	3114 Hailey Court (F2-HAIL3114)	21-Jan-22	10:15	13:15	✓	□
Flushing Zone F2	3116 Hailey Court (F2-HAIL3116)	21-Jan-22	10:00	12:11	✓	□
Flushing Zone F2	3118 Hailey Court (F2-HAIL3118)	21-Jan-22	12:11	16:57	✓	□
Flushing Zone F2	3120 Hailey Court (F2-HAIL3120)	21-Jan-22	10:30	12:15	✓	□
Flushing Zone F2	3122 Hailey Court (F2-HAIL3122)	21-Jan-22	11:40	13:47	✓	□
Flushing Zone F2	3124 Hailey Court (F2-HAIL3124)	21-Jan-22	09:56	11:35	✓	□
Flushing Zone F2	3126 Hailey Court (F2-HAIL3126)	21-Jan-22	09:47	11:31	✓	□
Flushing Zone F2	3128 Hailey Court (F2-HAIL3128)	21-Jan-22	11:11	12:49	✓	□
Flushing Zone F2	3130 Hailey Court (F2-HAIL3130)	21-Jan-22	09:43	11:25	✓	□
Flushing Zone F2	3132 Hailey Court (F2-HAIL3132)	21-Jan-22	09:43	11:27	✓	□
Flushing Zone F2	3134 Hailey Court (F2-HAIL3134)	21-Jan-22	09:40	11:20	✓	□
Flushing Zone F2	805 Hammerberg Street (F2-)	22-Jan-22	13:00	14:20	✓	□
Flushing Zone F2	809 Hammerberg Street (F2-)	22-Jan-22	13:00	15:15	✓	□
Flushing Zone F2	812 Hammerberg Street (F2-)	22-Jan-22	12:44	14:40	✓	□
Flushing Zone F2	815 Hammerberg Street (F2-)	22-Jan-22	12:29	14:09	✓	□
Flushing Zone F2	818 Hammerberg Street (F2-)	22-Jan-22	11:52	13:35	✓	□
Flushing Zone F2	819 Hammerberg Street (F2-)	22-Jan-22	00:00	13:48	✓	□
Flushing Zone F2	822 Hammerberg Street (F2-)	22-Jan-22	11:22	13:08	✓	□
Flushing Zone F2	823 Hammerberg Street (F2-)	22-Jan-22	11:13	12:22	✓	□
Flushing Zone F2	827 Hammerberg Street (F2-)	22-Jan-22	11:25	12:36	✓	□
Flushing Zone F2	828 Hammerberg Street (F2-)	22-Jan-22	09:56	11:34	✓	□
Flushing Zone F2	831 Hammerberg Street (F2-)	22-Jan-22	11:11	12:46	✓	□
Flushing Zone F2	832 Hammerberg Street (F2-)	22-Jan-22	09:54	11:20	✓	□
Flushing Zone F2	5301 Hammond Lane (F2-HAMM5301)	21-Jan-22	08:27	11:22	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	5302 Hammond Lane (F2-HAMM5302)	21-Jan-22	09:11	11:14	✓	□
Flushing Zone F2	5303 Hammond Lane (F2-HAMM5303)	21-Jan-22	08:01	11:16	✓	□
Flushing Zone F2	5304 Hammond Lane (F2-HAMM5304)	21-Jan-22	09:11	11:18	✓	□
Flushing Zone F2	5305 Hammond Lane (F2-HAMM5305)	21-Jan-22	11:36	14:31	✓	□
Flushing Zone F2	5306 Hammond Lane (F2-HAMM5306)	21-Jan-22	11:23	13:55	✓	□
Flushing Zone F2	5307 Hammond Lane (F2-HAMM5307)	21-Jan-22	11:40	12:55	✓	□
Flushing Zone F2	5308 Hammond Lane (F2-HAMM5308)	21-Jan-22	11:24	14:22	✓	□
Flushing Zone F2	4113 Hampton Street (F2-HAMP4113)	21-Jan-22	10:21	11:56	✓	□
Flushing Zone F2	4118 Hampton Street (F2-HAMP4118)	22-Jan-22	11:11	10:11	✓	□
Flushing Zone F2	4119 Hampton Street (F2-HAMP4119)	21-Jan-22	11:45	13:20	✓	□
Flushing Zone F2	4123 Hampton Street (F2-HAMP4123)	21-Jan-22	10:20	12:26	✓	□
Flushing Zone F2	4124 Hampton Street (F2-HAMP4124)	21-Jan-22	15:00	16:56	✓	□
Flushing Zone F2	4125 Hampton Street (F2-HAMP4125)	21-Jan-22	11:59	13:43	✓	□
Flushing Zone F2	4130 Hampton Street (F2-HAMP4130)	22-Jan-22	16:00	10:08	✓	□
Flushing Zone F2	4137 Hampton Street (F2-HAMP4137)	21-Jan-22	14:16	14:22	✓	□
Flushing Zone F2	4138 Hampton Street (F2-HAMP4138)	21-Jan-22	14:23	17:05	✓	□
Flushing Zone F2	4141 Hampton Street (F2-HAMP4141)	21-Jan-22	14:27	15:13	✓	□
Flushing Zone F2	805 Hays Street (F2-HAYS0805)	22-Jan-22	08:26	11:19	✓	□
Flushing Zone F2	806 Hays Street (F2-HAYS0806)	22-Jan-22	08:00	12:10	✓	□
Flushing Zone F2	809 Hays Street (F2-HAYS0809)	22-Jan-22	08:51	11:20	✓	□
Flushing Zone F2	810 Hays Street (F2-HAYS0810)	22-Jan-22	08:15	12:12	✓	□
Flushing Zone F2	813 Hays Street (F2-HAYS0813)	22-Jan-22	11:10	13:52	✓	□
Flushing Zone F2	814 Hays Street (F2-HAYS0814)	22-Jan-22	08:30	12:13	✓	□
Flushing Zone F2	818 Hays Street (F2-HAYS0818)	22-Jan-22	11:00	14:39	✓	□
Flushing Zone F2	821 Hays Street (F2-HAYS0821)	22-Jan-22	11:33	13:50	✓	□
Flushing Zone F2	822 Hays Street (F2-HAYS0822)	22-Jan-22	08:45	12:15	✓	□
Flushing Zone F2	825 Hays Street (F2-HAYS0825)	22-Jan-22	14:05	16:27	✓	□
Flushing Zone F2	826 Hays Street (F2-HAYS0826)	22-Jan-22	10:00	12:16	✓	□
Flushing Zone F2	829 Hays Street (F2-HAYS0829)	22-Jan-22	14:13	16:24	✓	□
Flushing Zone F2	830 Hays Street (F2-HAYS0830)	22-Jan-22	10:00	12:17	✓	□
Flushing Zone F2	3291 Jaluit Lane (F2-JALU3291)	21-Jan-22	08:57	10:03	✓	□
Flushing Zone F2	3295 Jaluit Lane (F2-JALU3295)	21-Jan-22	08:09	09:20	✓	□
Flushing Zone F2	3296 Jaluit Lane (F2-JALU3296)	21-Jan-22	13:00	15:08	✓	□
Flushing Zone F2	3298 Jaluit Lane (F2-JALU3298)	21-Jan-22	14:04	15:03	✓	□
Flushing Zone F2	3299 Jaluit Lane (F2-JALU3299)	21-Jan-22	11:18	12:20	✓	□
Flushing Zone F2	3302 Jaluit Lane (F2-JALU3302)	21-Jan-22	16:41	17:52	✓	□
Flushing Zone F2	3303 Jaluit Lane (F2-JALU3303)	21-Jan-22	10:11	11:17	✓	□
Flushing Zone F2	3304 Jaluit Lane (F2-JALU3304)	21-Jan-22	07:55	17:31	✓	□
Flushing Zone F2	3305 Jaluit Lane (F2-JALU3305)	21-Jan-22	12:54	14:31	✓	□
Flushing Zone F2	3307 Jaluit Lane (F2-JALU3307)	21-Jan-22	12:00	17:38	✓	□
Flushing Zone F2	3308 Jaluit Lane (F2-JALU3308)	21-Jan-22	08:00	08:44	✓	□
Flushing Zone F2	3310 Jaluit Lane (F2-JALU3310)	21-Jan-22	09:51	10:41	✓	□
Flushing Zone F2	3311 Jaluit Lane (F2-JALU3311)	21-Jan-22	12:12	14:13	✓	□
Flushing Zone F2	3314 Jaluit Lane (F2-JALU3314)	21-Jan-22	09:51	10:42	✓	□
Flushing Zone F2	3316 Jaluit Lane (F2-JALU3316)	21-Jan-22	10:42	11:42	✓	□
Flushing Zone F2	3317 Jaluit Lane (F2-JALU3317)	21-Jan-22	12:52	18:33	✓	□
Flushing Zone F2	3320 Jaluit Lane (F2-JALU3320)	21-Jan-22	12:46	13:38	✓	□
Flushing Zone F2	3321 Jaluit Lane (F2-JALU3321)	21-Jan-22	12:07	14:18	✓	□
Flushing Zone F2	3322 Jaluit Lane (F2-JALU3322)	21-Jan-22	13:20	15:00	✓	□
Flushing Zone F2	3324 Jaluit Lane (F2-JALU3324)	21-Jan-22	10:00	11:43	✓	□
Flushing Zone F2	3325 Jaluit Lane (F2-JALU3325)	21-Jan-22	12:07	14:20	✓	□
Flushing Zone F2	3328 Jaluit Lane (F2-JALU3328)	21-Jan-22	12:47	16:16	✓	□
Flushing Zone F2	3329 Jaluit Lane (F2-JALU3329)	21-Jan-22	14:00	18:42	✓	□
Flushing Zone F2	598 Jaluit Street (F2-JALU0598)	21-Jan-22	09:56	11:19	✓	□
Flushing Zone F2	603 Jaluit Street (F2-JALU0603)	21-Jan-22	09:53	11:04	✓	□
Flushing Zone F2	613 Jaluit Street (F2-JALU0613)	21-Jan-22	08:17	09:36	✓	□
Flushing Zone F2	618 Jaluit Street (F2-JALU0618)	21-Jan-22	11:27	12:21	✓	□
Flushing Zone F2	620 Jaluit Street (F2-JALU0620)	21-Jan-22	08:29	09:49	✓	□
Flushing Zone F2	625 Jaluit Street (F2-JALU0625)	21-Jan-22	08:10	09:50	✓	□
Flushing Zone F2	632 Jaluit Street (F2-JALU0632)	21-Jan-22	08:10	09:51	✓	□
Flushing Zone F2	642 Jaluit Street (F2-JALU0642)	21-Jan-22	09:34	11:04	✓	□
Flushing Zone F2	5403 Kilmer Lane (F2-KILM5403)	21-Jan-22	08:15	11:25	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	5404 Kilmer Lane (F2-KILM5404)	21-Jan-22	08:45	11:26	✓	□
Flushing Zone F2	5405 Kilmer Lane (F2-KILM5405)	21-Jan-22	08:00	11:26	✓	□
Flushing Zone F2	5406 Kilmer Lane (F2-KILM5406)	21-Jan-22	13:32	13:32	✓	□
Flushing Zone F2	5407 Kilmer Lane (F2-KILM5407)	21-Jan-22	13:33	16:10	✓	□
Flushing Zone F2	5408 Kilmer Lane (F2-KILM5408)	21-Jan-22	11:39	13:33	✓	□
Flushing Zone F2	5409 Kilmer Lane (F2-KILM5409)	21-Jan-22	11:00	13:18	✓	□
Flushing Zone F2	5410 Kilmer Lane (F2-KILM5410)	21-Jan-22	08:00	10:08	✓	□
Flushing Zone F2	5411 Kilmer Lane (F2-KILM5411)	21-Jan-22	08:00	11:31	✓	□
Flushing Zone F2	5412 Kilmer Lane (F2-KILM5412)	21-Jan-22	12:00	14:24	✓	□
Flushing Zone F2	5413 Kilmer Lane (F2-KILM5413)	21-Jan-22	08:00	11:33	✓	□
Flushing Zone F2	5414 Kilmer Lane (F2-KILM5414)	21-Jan-22	12:00	14:25	✓	□
Flushing Zone F2	5415 Kilmer Lane (F2-KILM5415)	21-Jan-22	12:00	14:54	✓	□
Flushing Zone F2	5416 Kilmer Lane (F2-KILM5416)	21-Jan-22	12:46	13:18	✓	□
Flushing Zone F2	5417 Kilmer Lane (F2-KILM5417)	21-Jan-22	11:29	14:26	✓	□
Flushing Zone F2	5418 Kilmer Lane (F2-KILM5418)	21-Jan-22	07:49	12:56	✓	□
Flushing Zone F2	5423 Kilmer Lane (F2-KILM5423)	21-Jan-22	14:34	16:09	✓	□
Flushing Zone F2	5425 Kilmer Lane (F2-KILM5425)	21-Jan-22	11:29	14:25	✓	□
Flushing Zone F2	5427 Kilmer Lane (F2-KILM5427)	21-Jan-22	11:29	14:25	✓	□
Flushing Zone F2	5428 Kilmer Lane (F2-KILM5428)	21-Jan-22	08:11	09:33	✓	□
Flushing Zone F2	5429 Kilmer Lane (F2-KILM5429)	21-Jan-22	09:00	11:28	✓	□
Flushing Zone F2	5430 Kilmer Lane (F2-KILM5430)	21-Jan-22	09:59	11:03	✓	□
Flushing Zone F2	5433 Kilmer Lane (F2-KILM5433)	21-Jan-22	08:13	11:27	✓	□
Flushing Zone F2	5434 Kilmer Lane (F2-KILM5434)	21-Jan-22	11:04	17:37	✓	□
Flushing Zone F2	5435 Kilmer Lane (F2-KILM5435)	21-Jan-22	08:00	11:27	✓	□
Flushing Zone F2	5436 Kilmer Lane (F2-KILM5436)	21-Jan-22	11:56	12:50	✓	□
Flushing Zone F2	5437 Kilmer Lane (F2-KILM5437)	21-Jan-22	10:18	12:24	✓	□
Flushing Zone F2	5438 Kilmer Lane (F2-KILM5438)	21-Jan-22	14:00	15:36	✓	□
Flushing Zone F2	5439 Kilmer Lane (F2-KILM5439)	21-Jan-22	10:42	12:28	✓	□
Flushing Zone F2	5440 Kilmer Lane (F2-KILM5440)	21-Jan-22	13:55	15:14	✓	□
Flushing Zone F2	3340 Kilmer Street (F2-KILM3340)	21-Jan-22	08:00	10:38	✓	□
Flushing Zone F2	3342 Kilmer Street (F2-KILM3342)	21-Jan-22	10:00	11:23	✓	□
Flushing Zone F2	3346 Kilmer Street (F2-KILM3346)	21-Jan-22	09:48	11:41	✓	□
Flushing Zone F2	3350 Kilmer Street (F2-KILM3350)	21-Jan-22	08:12	10:08	✓	□
Flushing Zone F2	3354 Kilmer Street (F2-KILM3354)	21-Jan-22	08:33	10:18	✓	□
Flushing Zone F2	3360 Kilmer Street (F2-KILM3360)	21-Jan-22	08:00	09:13	✓	□
Flushing Zone F2	3361 Kilmer Street (F2-KILM3361)	21-Jan-22	10:10	11:09	✓	□
Flushing Zone F2	3362 Kilmer Street (F2-KILM3362)	21-Jan-22	09:29	10:48	✓	□
Flushing Zone F2	3365 Kilmer Street (F2-KILM3365)	21-Jan-22	12:21	13:22	✓	□
Flushing Zone F2	3366 Kilmer Street (F2-KILM3366)	21-Jan-22	09:09	10:17	✓	□
Flushing Zone F2	3367 Kilmer Street (F2-KILM3367)	21-Jan-22	12:20	13:20	✓	□
Flushing Zone F2	1921 Kirkpatrick Loop (F2-KIRK1921)	23-Jan-22	10:00	11:41	✓	□
Flushing Zone F2	1923 Kirkpatrick Loop (F2-KIRK1923)	23-Jan-22	10:00	11:42	✓	□
Flushing Zone F2	1925 Kirkpatrick Loop (F2-KIRK1925)	23-Jan-22	10:00	12:25	✓	□
Flushing Zone F2	1927 Kirkpatrick Loop (F2-KIRK1927)	23-Jan-22	10:00	10:54	✓	□
Flushing Zone F2	1929 Kirkpatrick Loop (F2-KIRK1929)	23-Jan-22	09:00	12:24	✓	□
Flushing Zone F2	1931 Kirkpatrick Loop (F2-KIRK1931)	23-Jan-22	10:00	11:51	✓	□
Flushing Zone F2	1934 Kirkpatrick Loop (F2-KIRK1934)	23-Jan-22	11:00	12:26	✓	□
Flushing Zone F2	1936 Kirkpatrick Loop (F2-KIRK1936)	23-Jan-22	11:00	12:27	✓	□
Flushing Zone F2	1944 Kirkpatrick Loop (F2-KIRK1944)	23-Jan-22	11:00	12:52	✓	□
Flushing Zone F2	1946 Kirkpatrick Loop (F2-KIRK1946)	23-Jan-22	11:00	12:34	✓	□
Flushing Zone F2	1954 Kirkpatrick Loop (F2-KIRK1954)	23-Jan-22	10:45	12:36	✓	□
Flushing Zone F2	1956 Kirkpatrick Loop (F2-KIRK1956)	23-Jan-22	09:55	11:16	✓	□
Flushing Zone F2	1964 Kirkpatrick Loop (F2-KIRK1964)	23-Jan-22	09:45	11:27	✓	□
Flushing Zone F2	1966 Kirkpatrick Loop (F2-KIRK1966)	23-Jan-22	13:45	16:09	✓	□
Flushing Zone F2	1973 Kirkpatrick Loop (F2-KIRK1973)	23-Jan-22	09:48	11:53	✓	□
Flushing Zone F2	1975 Kirkpatrick Loop (F2-KIRK1975)	23-Jan-22	09:44	11:37	✓	□
Flushing Zone F2	1981 Kirkpatrick Loop (F2-KIRK1981)	23-Jan-22	09:35	11:40	✓	□
Flushing Zone F2	1983 Kirkpatrick Loop (F2-KIRK1983)	23-Jan-22	09:49	13:45	✓	□
Flushing Zone F2	1989 Kirkpatrick Loop (F2-KIRK1989)	23-Jan-22	09:50	12:24	✓	□
Flushing Zone F2	1991 Kirkpatrick Loop (F2-KIRK1991)	23-Jan-22	10:47	12:24	✓	□
Flushing Zone F2	1650 Koala Court (F2-KOAI1650)	23-Jan-22	09:40	11:49	✓	□
Flushing Zone F2	1652 Koala Court (F2-KOAI1652)	23-Jan-22	09:40	11:56	✓	□
Flushing Zone F2	1653 Koala Court (F2-KOAI1653)	23-Jan-22	10:05	10:46	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	1654 Koala Court (F2-KOAI1654)	23-Jan-22	09:42	12:04	<input checked="" type="checkbox"/>
Flushing Zone F2	1655 Koala Court (F2-KOAI1655)	23-Jan-22	10:26	11:11	<input checked="" type="checkbox"/>
Flushing Zone F2	1656 Koala Court (F2-KOAI1656)	23-Jan-22	09:42	12:08	<input checked="" type="checkbox"/>
Flushing Zone F2	1657 Koala Court (F2-KOAI1657)	23-Jan-22	11:14	12:08	<input checked="" type="checkbox"/>
Flushing Zone F2	1659 Koala Court (F2-KOAI1659)	23-Jan-22	11:14	12:00	<input checked="" type="checkbox"/>
Flushing Zone F2	1660 Koala Court (F2-KOAI1660)	23-Jan-22	10:00	11:53	<input checked="" type="checkbox"/>
Flushing Zone F2	1662 Koala Court (F2-KOAI1662)	23-Jan-22	10:00	11:53	<input checked="" type="checkbox"/>
Flushing Zone F2	1664 Koala Court (F2-KOAI1664)	23-Jan-22	10:33	19:11	<input checked="" type="checkbox"/>
Flushing Zone F2	1666 Koala Court (F2-KOAI1666)	23-Jan-22	09:51	11:40	<input checked="" type="checkbox"/>
Flushing Zone F2	1668 Koala Court (F2-KOAI1668)	23-Jan-22	09:51	11:39	<input checked="" type="checkbox"/>
Flushing Zone F2	1670 Koala Court (F2-KOAI1670)	23-Jan-22	09:51	11:53	<input checked="" type="checkbox"/>
Flushing Zone F2	5301 Koelsch Lane (F2-KOEL5301)	21-Jan-22	12:00	15:42	<input checked="" type="checkbox"/>
Flushing Zone F2	5302 Koelsch Lane (F2-KOEL5302)	21-Jan-22	09:00	10:48	<input checked="" type="checkbox"/>
Flushing Zone F2	5303 Koelsch Lane (F2-KOEL5303)	21-Jan-22	11:00	13:32	<input checked="" type="checkbox"/>
Flushing Zone F2	5304 Koelsch Lane (F2-KOEL5304)	21-Jan-22	08:00	09:47	<input checked="" type="checkbox"/>
Flushing Zone F2	5305 Koelsch Lane (F2-KOEL5305)	21-Jan-22	10:00	12:40	<input checked="" type="checkbox"/>
Flushing Zone F2	5306 Koelsch Lane (F2-KOEL5306)	21-Jan-22	08:00	09:48	<input checked="" type="checkbox"/>
Flushing Zone F2	5307 Koelsch Lane (F2-KOEL5307)	21-Jan-22	10:00	12:41	<input checked="" type="checkbox"/>
Flushing Zone F2	5308 Koelsch Lane (F2-KOEL5308)	21-Jan-22	09:00	10:55	<input checked="" type="checkbox"/>
Flushing Zone F2	1841 Kou Haole Loop (F2-KOUH1841)	23-Jan-22	10:00	12:49	<input checked="" type="checkbox"/>
Flushing Zone F2	1843 Kou Haole Loop (F2-KOUH1843)	23-Jan-22	10:00	12:49	<input checked="" type="checkbox"/>
Flushing Zone F2	1845 Kou Haole Loop (F2-KOUH1845)	23-Jan-22	10:10	12:49	<input checked="" type="checkbox"/>
Flushing Zone F2	1847 Kou Haole Loop (F2-KOUH1847)	23-Jan-22	10:10	12:50	<input checked="" type="checkbox"/>
Flushing Zone F2	1857 Kou Haole Loop (F2-KOUH1857)	23-Jan-22	10:04	10:55	<input checked="" type="checkbox"/>
Flushing Zone F2	1859 Kou Haole Loop (F2-KOUH1859)	23-Jan-22	10:54	11:53	<input checked="" type="checkbox"/>
Flushing Zone F2	1871 Kou Haole Loop (F2-KOUH1871)	23-Jan-22	10:17	12:47	<input checked="" type="checkbox"/>
Flushing Zone F2	1873 Kou Haole Loop (F2-KOUH1873)	23-Jan-22	10:55	12:47	<input checked="" type="checkbox"/>
Flushing Zone F2	1875 Kou Haole Loop (F2-KOUH1875)	23-Jan-22	11:36	12:49	<input checked="" type="checkbox"/>
Flushing Zone F2	1877 Kou Haole Loop (F2-KOUH1877)	23-Jan-22	10:16	11:56	<input checked="" type="checkbox"/>
Flushing Zone F2	1879 Kou Haole Loop (F2-KOUH1879)	23-Jan-22	11:26	13:52	<input checked="" type="checkbox"/>
Flushing Zone F2	1881 Kou Haole Loop (F2-KOUH1881)	23-Jan-22	10:14	11:55	<input checked="" type="checkbox"/>
Flushing Zone F2	2001 Lippia Loop (F2-LIPP2001)	23-Jan-22	09:43	12:27	<input checked="" type="checkbox"/>
Flushing Zone F2	2002 Lippia Loop (F2-LIPP2002)	23-Jan-22	09:43	16:03	<input checked="" type="checkbox"/>
Flushing Zone F2	2003 Lippia Loop (F2-LIPP2003)	23-Jan-22	09:52	12:28	<input checked="" type="checkbox"/>
Flushing Zone F2	2004 Lippia Loop (F2-LIPP2004)	23-Jan-22	09:58	16:03	<input checked="" type="checkbox"/>
Flushing Zone F2	2005 Lippia Loop (F2-LIPP2005)	23-Jan-22	09:43	12:30	<input checked="" type="checkbox"/>
Flushing Zone F2	2006 Lippia Loop (F2-LIPP2006)	23-Jan-22	10:19	13:10	<input checked="" type="checkbox"/>
Flushing Zone F2	2007 Lippia Loop (F2-LIPP2007)	23-Jan-22	09:52	12:38	<input checked="" type="checkbox"/>
Flushing Zone F2	2008 Lippia Loop (F2-LIPP2008)	23-Jan-22	10:19	13:03	<input checked="" type="checkbox"/>
Flushing Zone F2	2080 Lippia Loop (F2-LIPP2080)	23-Jan-22	09:41	11:37	<input checked="" type="checkbox"/>
Flushing Zone F2	2081 Lippia Loop (F2-LIPP2081)	23-Jan-22	10:02	11:15	<input checked="" type="checkbox"/>
Flushing Zone F2	2082 Lippia Loop (F2-LIPP2082)	23-Jan-22	11:38	11:38	<input checked="" type="checkbox"/>
Flushing Zone F2	2083 Lippia Loop (F2-LIPP2083)	23-Jan-22	10:17	11:15	<input checked="" type="checkbox"/>
Flushing Zone F2	2084 Lippia Loop (F2-LIPP2084)	23-Jan-22	09:42	11:38	<input checked="" type="checkbox"/>
Flushing Zone F2	2085 Lippia Loop (F2-LIPP2085)	23-Jan-22	11:14	13:04	<input checked="" type="checkbox"/>
Flushing Zone F2	2086 Lippia Loop (F2-LIPP2086)	23-Jan-22	10:13	15:17	<input checked="" type="checkbox"/>
Flushing Zone F2	2087 Lippia Loop (F2-LIPP2087)	23-Jan-22	10:50	12:11	<input checked="" type="checkbox"/>
Flushing Zone F2	2089 Lippia Loop (F2-LIPP2089)	23-Jan-22	09:59	12:11	<input checked="" type="checkbox"/>
Flushing Zone F2	2091 Lippia Loop (F2-LIPP2091)	23-Jan-22	09:59	11:31	<input checked="" type="checkbox"/>
Flushing Zone F2	4108 Lounsbury Street (F2-LOUN4108)	22-Jan-22	12:00	12:26	<input checked="" type="checkbox"/>
Flushing Zone F2	4109 Lounsbury Street (F2-LOUN4109)	22-Jan-22	11:00	11:24	<input checked="" type="checkbox"/>
Flushing Zone F2	4110 Lounsbury Street (F2-LOUN4110)	22-Jan-22	11:00	11:27	<input checked="" type="checkbox"/>
Flushing Zone F2	4114 Lounsbury Street (F2-LOUN4114)	22-Jan-22	12:00	12:45	<input checked="" type="checkbox"/>
Flushing Zone F2	4115 Lounsbury Street (F2-LOUN4115)	22-Jan-22	12:00	13:28	<input checked="" type="checkbox"/>
Flushing Zone F2	3253 Malodelap Drive (F2-MALO3253)	21-Jan-22	10:13	11:40	<input checked="" type="checkbox"/>
Flushing Zone F2	576 Malodelap Lane (F2-MALO0576)	21-Jan-22	11:38	14:38	<input checked="" type="checkbox"/>
Flushing Zone F2	577 Malodelap Lane (F2-MALO0577)	21-Jan-22	13:30	17:44	<input checked="" type="checkbox"/>
Flushing Zone F2	581 Malodelap Lane (F2-MALO0581)	21-Jan-22	13:50	16:57	<input checked="" type="checkbox"/>
Flushing Zone F2	582 Malodelap Lane (F2-MALO0582)	21-Jan-22	15:16	18:20	<input checked="" type="checkbox"/>
Flushing Zone F2	3245 Malodelap Street (F2-MALO3245)	21-Jan-22	11:05	12:16	<input checked="" type="checkbox"/>
Flushing Zone F2	3246 Malodelap Street (F2-MALO3246)	21-Jan-22	08:14	10:42	<input checked="" type="checkbox"/>
Flushing Zone F2	3249 Malodelap Street (F2-MALO3249)	21-Jan-22	09:05	11:26	<input checked="" type="checkbox"/>
Flushing Zone F2	3255 Malodelap Street (F2-MALO3255)	21-Jan-22	08:45	11:25	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	3256 Maloelap Street (F2-MALO3256)	21-Jan-22	11:00	12:31	✓	□
Flushing Zone F2	3263 Maloelap Street (F2-MALO3263)	21-Jan-22	10:00	17:17	✓	□
Flushing Zone F2	3264 Maloelap Street (F2-MALO3264)	21-Jan-22	08:30	11:23	✓	□
Flushing Zone F2	3267 Maloelap Street (F2-MALO3267)	21-Jan-22	08:00	10:18	✓	□
Flushing Zone F2	3271 Maloelap Street (F2-MALO3271)	21-Jan-22	10:05	12:08	✓	□
Flushing Zone F2	3276 Maloelap Street (F2-MALO3276)	21-Jan-22	12:00	17:18	✓	□
Flushing Zone F2	3281 Maloelap Street (F2-MALO3281)	21-Jan-22	12:00	13:31	✓	□
Flushing Zone F2	3284 Maloelap Street (F2-MALO3284)	21-Jan-22	10:59	12:12	✓	□
Flushing Zone F2	3288 Maloelap Street (F2-MALO3288)	21-Jan-22	09:00	10:55	✓	□
Flushing Zone F2	3292 Maloelap Street (F2-MALO3292)	21-Jan-22	08:09	09:23	✓	□
Flushing Zone F2	1022 McCurry Place (F2-MCCU1022)	22-Jan-22	07:00	13:31	✓	□
Flushing Zone F2	1023 McCurry Place (F2-MCCU1023)	22-Jan-22	07:00	08:48	✓	□
Flushing Zone F2	1024 McCurry Place (F2-MCCU1024)	22-Jan-22	07:00	08:50	✓	□
Flushing Zone F2	1025 McCurry Place (F2-MCCU1025)	22-Jan-22	07:00	08:50	✓	□
Flushing Zone F2	1026 McCurry Place (F2-MCCU1026)	22-Jan-22	09:00	10:51	✓	□
Flushing Zone F2	1027 McCurry Place (F2-MCCU1027)	22-Jan-22	08:00	09:18	✓	□
Flushing Zone F2	1028 McCurry Place (F2-MCCU1028)	22-Jan-22	09:00	13:33	✓	□
Flushing Zone F2	1029 McCurry Place (F2-MCCU1029)	22-Jan-22	08:00	09:56	✓	□
Flushing Zone F2	1030 McCurry Place (F2-MCCU1030)	22-Jan-22	08:00	10:01	✓	□
Flushing Zone F2	1031 McCurry Place (F2-MCCU1031)	22-Jan-22	08:00	09:36	✓	□
Flushing Zone F2	1032 McCurry Place (F2-MCCU1032)	22-Jan-22	08:00	09:55	✓	□
Flushing Zone F2	1033 McCurry Place (F2-MCCU1033)	22-Jan-22	08:00	09:34	✓	□
Flushing Zone F2	1034 McCurry Place (F2-MCCU1034)	22-Jan-22	09:00	13:34	✓	□
Flushing Zone F2	1035 McCurry Place (F2-MCCU1035)	22-Jan-22	07:00	08:51	✓	□
Flushing Zone F2	1036 McCurry Place (F2-MCCU1036)	22-Jan-22	10:00	12:41	✓	□
Flushing Zone F2	1037 McCurry Place (F2-MCCU1037)	22-Jan-22	07:00	08:52	✓	□
Flushing Zone F2	1052 McCurry Place (F2-MCCU1052)	22-Jan-22	08:00	09:19	✓	□
Flushing Zone F2	1054 McCurry Place (F2-MCCU1054)	22-Jan-22	09:00	10:35	✓	□
Flushing Zone F2	1055 McCurry Place (F2-MCCU1055)	22-Jan-22	09:00	10:48	✓	□
Flushing Zone F2	1056 McCurry Place (F2-MCCU1056)	22-Jan-22	08:00	10:02	✓	□
Flushing Zone F2	1057 McCurry Place (F2-MCCU1057)	22-Jan-22	09:00	13:36	✓	□
Flushing Zone F2	1058 McCurry Place (F2-MCCU1058)	22-Jan-22	10:00	11:04	✓	□
Flushing Zone F2	1059 McCurry Place (F2-MCCU1059)	23-Jan-22	10:27	12:03	✓	□
Flushing Zone F2	1060 McCurry Place (F2-MCCU1060)	22-Jan-22	08:00	09:21	✓	□
Flushing Zone F2	1061 McCurry Place (F2-MCCU1061)	22-Jan-22	08:00	13:38	✓	□
Flushing Zone F2	1062 McCurry Place (F2-MCCU1062)	22-Jan-22	07:00	13:39	✓	□
Flushing Zone F2	807 McFaddin Street (F2-MCFA0807)	22-Jan-22	07:31	09:31	✓	□
Flushing Zone F2	808 McFaddin Street (F2-MCFA0808)	22-Jan-22	08:15	09:47	✓	□
Flushing Zone F2	810 McFaddin Street (F2-MCFA0810)	22-Jan-22	08:15	10:35	✓	□
Flushing Zone F2	811 McFaddin Street (F2-MCFA0811)	22-Jan-22	07:31	09:36	✓	□
Flushing Zone F2	813 McFaddin Street (F2-MCFA0813)	22-Jan-22	09:36	11:35	✓	□
Flushing Zone F2	816 McFaddin Street (F2-MCFA0816)	22-Jan-22	10:35	12:56	✓	□
Flushing Zone F2	817 McFaddin Street (F2-MCFA0817)	22-Jan-22	08:21	10:42	✓	□
Flushing Zone F2	818 McFaddin Street (F2-MCFA0818)	22-Jan-22	10:36	12:57	✓	□
Flushing Zone F2	822 McFaddin Street (F2-MCFA0822)	22-Jan-22	15:09	16:27	✓	□
Flushing Zone F2	823 McFaddin Street (F2-MCFA0823)	22-Jan-22	09:48	11:51	✓	□
Flushing Zone F2	828 McFaddin Street (F2-MCFA0830)	22-Jan-22	13:09	15:09	✓	□
Flushing Zone F2	830 McFaddin Street (F2-MCFA0830)	22-Jan-22	13:10	15:09	✓	□
Flushing Zone F2	570 Meyerkord Loop (F2-MEY0570)	21-Jan-22	07:47	09:50	✓	□
Flushing Zone F2	578 Meyerkord Loop (F2-MEY0578)	21-Jan-22	07:49	09:51	✓	□
Flushing Zone F2	582 Meyerkord Loop (F2-MEY0582)	21-Jan-22	09:51	11:05	✓	□
Flushing Zone F2	584 Meyerkord Loop (F2-MEY0584)	21-Jan-22	09:51	12:11	✓	□
Flushing Zone F2	588 Meyerkord Loop (F2-MEY0588)	21-Jan-22	10:45	12:12	✓	□
Flushing Zone F2	598 Meyerkord Loop (F2-MEY0598)	21-Jan-22	13:02	14:30	✓	□
Flushing Zone F2	602 Meyerkord Loop (F2-MEY0602)	21-Jan-22	12:12	14:01	✓	□
Flushing Zone F2	604 Meyerkord Loop (F2-MEY0604)	21-Jan-22	12:31	14:40	✓	□
Flushing Zone F2	608 Meyerkord Loop (F2-MEY0608)	21-Jan-22	07:41	09:07	✓	□
Flushing Zone F2	610 Meyerkord Loop (F2-MEY0610)	21-Jan-22	12:02	13:10	✓	□
Flushing Zone F2	614 Meyerkord Loop (F2-MEY0614)	21-Jan-22	07:58	09:21	✓	□
Flushing Zone F2	618 Meyerkord Loop (F2-MEY0618)	21-Jan-22	08:57	12:49	✓	□
Flushing Zone F2	622 Meyerkord Loop (F2-MEY0622)	21-Jan-22	08:47	10:00	✓	□
Flushing Zone F2	624 Meyerkord Loop (F2-MEY0624)	21-Jan-22	09:22	10:21	✓	□
Flushing Zone F2	628 Meyerkord Loop (F2-MEY0628)	21-Jan-22	10:01	10:53	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	630 Meyerkord Loop (F2-MEY0630)	21-Jan-22	07:49	09:09	✓	□
Flushing Zone F2	632 Meyerkord Loop (F2-MEY0632)	21-Jan-22	08:34	10:16	✓	□
Flushing Zone F2	636 Meyerkord Loop (F2-MEY0636)	21-Jan-22	09:10	10:16	✓	□
Flushing Zone F2	638 Meyerkord Loop (F2-MEY0638)	21-Jan-22	10:13	11:23	✓	□
Flushing Zone F2	640 Meyerkord Loop (F2-MEY0640)	21-Jan-22	10:15	11:23	✓	□
Flushing Zone F2	644 Meyerkord Loop (F2-MEY0644)	21-Jan-22	11:24	12:54	✓	□
Flushing Zone F2	648 Meyerkord Loop (F2-MEY0648)	21-Jan-22	11:25	12:55	✓	□
Flushing Zone F2	652 Meyerkord Loop (F2-MEY0652)	21-Jan-22	07:49	09:14	✓	□
Flushing Zone F2	653 Meyerkord Loop (F2-MEY0653)	21-Jan-22	08:54	10:12	✓	□
Flushing Zone F2	654 Meyerkord Loop (F2-MEY0654)	21-Jan-22	07:59	09:54	✓	□
Flushing Zone F2	655 Meyerkord Loop (F2-MEY0655)	21-Jan-22	09:23	10:43	✓	□
Flushing Zone F2	657 Meyerkord Loop (F2-MEY0657)	21-Jan-22	10:29	12:20	✓	□
Flushing Zone F2	658 Meyerkord Loop (F2-MEY0658)	21-Jan-22	09:50	12:21	✓	□
Flushing Zone F2	3403 Meyerkord Place (F2-MEY3403)	21-Jan-22	11:54	13:21	✓	□
Flushing Zone F2	3405 Meyerkord Place (F2-MEY3405)	21-Jan-22	10:25	11:38	✓	□
Flushing Zone F2	3409 Meyerkord Place (F2-MEY3409)	21-Jan-22	10:04	11:38	✓	□
Flushing Zone F2	3414 Meyerkord Place (F2-MEY3414)	21-Jan-22	08:34	11:39	✓	□
Flushing Zone F2	3418 Meyerkord Place (F2-MEY3418)	21-Jan-22	07:57	09:38	✓	□
Flushing Zone F2	3420 Meyerkord Place (F2-MEY3420)	21-Jan-22	13:50	15:09	✓	□
Flushing Zone F2	3424 Meyerkord Place (F2-MEY3424)	21-Jan-22	13:50	15:30	✓	□
Flushing Zone F2	3021 Moore Drive (F2-MOOR3021)	21-Jan-22	09:00	10:06	✓	□
Flushing Zone F2	3023 Moore Drive (F2-MOOR3023)	21-Jan-22	08:00	10:13	✓	□
Flushing Zone F2	3025 Moore Drive (F2-MOOR3025)	21-Jan-22	08:00	09:10	✓	□
Flushing Zone F2	3027 Moore Drive (F2-MOOR3027)	21-Jan-22	08:00	16:41	✓	□
Flushing Zone F2	3029 Moore Drive (F2-MOOR3029)	21-Jan-22	08:00	09:23	✓	□
Flushing Zone F2	3031 Moore Drive (F2-MOOR3031)	21-Jan-22	08:00	09:24	✓	□
Flushing Zone F2	3033 Moore Drive (F2-MOOR3033)	21-Jan-22	09:00	11:19	✓	□
Flushing Zone F2	3035 Moore Drive (F2-MOOR3035)	21-Jan-22	10:00	16:43	✓	□
Flushing Zone F2	3037 Moore Drive (F2-MOOR3037)	21-Jan-22	12:00	16:33	✓	□
Flushing Zone F2	3039 Moore Drive (F2-MOOR3039)	21-Jan-22	08:00	10:35	✓	□
Flushing Zone F2	656 Murray Drive (F2-MURR0656)	22-Jan-22	15:00	16:17	✓	□
Flushing Zone F2	658 Murray Drive (F2-MURR0658)	23-Jan-22	12:13	14:29	✓	□
Flushing Zone F2	664 Murray Drive (F2-MURR0664)	23-Jan-22	10:27	13:21	✓	□
Flushing Zone F2	666 Murray Drive (F2-MURR0666)	23-Jan-22	11:18	14:41	✓	□
Flushing Zone F2	670 Murray Drive (F2-MURR0670)	23-Jan-22	10:31	13:04	✓	□
Flushing Zone F2	672 Murray Drive (F2-MURR0672)	23-Jan-22	11:27	13:56	✓	□
Flushing Zone F2	678 Murray Drive (F2-MURR0678)	23-Jan-22	11:38	13:29	✓	□
Flushing Zone F2	680 Murray Drive (F2-MURR0680)	23-Jan-22	10:12	13:27	✓	□
Flushing Zone F2	686 Murray Drive (F2-MURR0686)	23-Jan-22	10:32	14:00	✓	□
Flushing Zone F2	688 Murray Drive (F2-MURR0688)	23-Jan-22	12:00	14:26	✓	□
Flushing Zone F2	690 Murray Drive (F2-MURR0690)	23-Jan-22	15:18	08:54	✓	□
Flushing Zone F2	722 Murray Drive (F2-MURR0722)	23-Jan-22	13:15	15:45	✓	□
Flushing Zone F2	724 Murray Drive (F2-MURR0724)	23-Jan-22	13:15	14:55	✓	□
Flushing Zone F2	726 Murray Drive (F2-MURR0726)	23-Jan-22	10:30	14:52	✓	□
Flushing Zone F2	728 Murray Drive (F2-MURR0728)	23-Jan-22	10:45	14:54	✓	□
Flushing Zone F2	730 Murray Drive (F2-MURR0730)	23-Jan-22	13:00	15:04	✓	□
Flushing Zone F2	731 Murray Drive (F2-MURR0731)	23-Jan-22	12:00	13:04	✓	□
Flushing Zone F2	732 Murray Drive (F2-MURR0732)	23-Jan-22	13:00	14:55	✓	□
Flushing Zone F2	733 Murray Drive (F2-MURR0733)	23-Jan-22	10:00	11:30	✓	□
Flushing Zone F2	734 Murray Drive (F2-MURR0734)	23-Jan-22	12:34	14:49	✓	□
Flushing Zone F2	736 Murray Drive (F2-MURR0736)	23-Jan-22	14:05	16:12	✓	□
Flushing Zone F2	739 Murray Drive (F2-MURR0739)	23-Jan-22	10:00	11:34	✓	□
Flushing Zone F2	741 Murray Drive (F2-MURR0741)	23-Jan-22	10:00	11:28	✓	□
Flushing Zone F2	755 Murray Drive (F2-MURR0755)	21-Jan-22	20:00	21:35	✓	□
Flushing Zone F2	756 Murray Drive (F2-MURR0756)	23-Jan-22	12:48	14:34	✓	□
Flushing Zone F2	757 Murray Drive (F2-MURR0757)	21-Jan-22	20:56	21:33	✓	□
Flushing Zone F2	758 Murray Drive (F2-MURR0758)	23-Jan-22	14:00	15:37	✓	□
Flushing Zone F2	760 Murray Drive (F2-MURR0760)	23-Jan-22	14:32	16:06	✓	□
Flushing Zone F2	761 Murray Drive (F2-MURR0761)	23-Jan-22	09:45	10:57	✓	□
Flushing Zone F2	762 Murray Drive (F2-MURR0762)	23-Jan-22	13:00	16:15	✓	□
Flushing Zone F2	763 Murray Drive (F2-MURR0763)	23-Jan-22	09:45	10:53	✓	□
Flushing Zone F2	764 Murray Drive (F2-MURR0764)	23-Jan-22	13:45	16:26	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	766 Murray Drive (F2-MURR0766)	23-Jan-22	13:45	16:25	✓	□
Flushing Zone F2	768 Murray Drive (F2-MURR0768)	23-Jan-22	13:39	15:46	✓	□
Flushing Zone F2	769 Murray Drive (F2-MURR0769)	23-Jan-22	09:45	11:24	✓	□
Flushing Zone F2	770 Murray Drive (F2-MURR0770)	23-Jan-22	15:50	15:26	✓	□
Flushing Zone F2	771 Murray Drive (F2-MURR0771)	23-Jan-22	09:45	11:18	✓	□
Flushing Zone F2	790 Murray Drive (F2-MURR0790)	23-Jan-22	09:00	12:05	✓	□
Flushing Zone F2	792 Murray Drive (F2-MURR0792)	23-Jan-22	10:00	12:31	✓	□
Flushing Zone F2	793 Murray Drive (F2-MURR0793)	23-Jan-22	09:45	12:07	✓	□
Flushing Zone F2	794 Murray Drive (F2-MURR0794)	23-Jan-22	09:40	12:09	✓	□
Flushing Zone F2	795 Murray Drive (F2-MURR0795)	23-Jan-22	11:10	12:11	✓	□
Flushing Zone F2	796 Murray Drive (F2-MURR0796)	23-Jan-22	09:00	12:13	✓	□
Flushing Zone F2	797 Murray Drive (F2-MURR0797)	23-Jan-22	10:00	12:14	✓	□
Flushing Zone F2	798 Murray Drive (F2-MURR0798)	23-Jan-22	10:00	12:15	✓	□
Flushing Zone F2	799 Murray Drive (F2-MURR0799)	23-Jan-22	10:00	12:16	✓	□
Flushing Zone F2	800 Murray Drive (F2-MURR0800)	23-Jan-22	10:00	12:17	✓	□
Flushing Zone F2	801 Murray Drive (F2-MURR0801)	23-Jan-22	10:00	12:18	✓	□
Flushing Zone F2	803 Murray Drive (F2-MURR0803)	23-Jan-22	10:00	12:20	✓	□
Flushing Zone F2	830 Murray Drive (F2-MURR0830)	22-Jan-22	14:00	16:44	✓	□
Flushing Zone F2	832 Murray Drive (F2-MURR0832)	22-Jan-22	15:00	17:04	✓	□
Flushing Zone F2	835 Murray Drive (F2-MURR0835)	22-Jan-22	14:00	16:46	✓	□
Flushing Zone F2	837 Murray Drive (F2-MURR0837)	22-Jan-22	14:00	16:48	✓	□
Flushing Zone F2	838 Murray Drive (F2-MURR0838)	22-Jan-22	15:00	17:05	✓	□
Flushing Zone F2	840 Murray Drive (F2-MURR0840)	22-Jan-22	14:00	16:50	✓	□
Flushing Zone F2	845 Murray Drive (F2-MURR0845)	22-Jan-22	14:00	16:51	✓	□
Flushing Zone F2	846 Murray Drive (F2-MURR0846)	23-Jan-22	10:00	12:21	✓	□
Flushing Zone F2	847 Murray Drive (F2-MURR0847)	22-Jan-22	14:00	16:52	✓	□
Flushing Zone F2	848 Murray Drive (F2-MURR0848)	23-Jan-22	10:00	12:22	✓	□
Flushing Zone F2	850 Murray Drive (F2-MURR0850)	22-Jan-22	14:36	17:38	✓	□
Flushing Zone F2	852 Murray Drive (F2-MURR0852)	23-Jan-22	11:45	16:35	✓	□
Flushing Zone F2	854 Murray Drive (F2-MURR0854)	22-Jan-22	14:54	16:57	✓	□
Flushing Zone F2	855 Murray Drive (F2-MURR0855)	22-Jan-22	14:00	17:03	✓	□
Flushing Zone F2	856 Murray Drive (F2-MURR0856)	22-Jan-22	14:39	17:40	✓	□
Flushing Zone F2	857 Murray Drive (F2-MURR0857)	23-Jan-22	10:00	12:23	✓	□
Flushing Zone F2	858 Murray Drive (F2-MURR0858)	23-Jan-22	12:01	13:28	✓	□
Flushing Zone F2	860 Murray Drive (F2-MURR0860)	22-Jan-22	14:29	12:04	✓	□
Flushing Zone F2	862 Murray Drive (F2-MURR0862)	22-Jan-22	14:46	16:48	✓	□
Flushing Zone F2	863 Murray Drive (F2-MURR0863)	22-Jan-22	15:00	16:57	✓	□
Flushing Zone F2	864 Murray Drive (F2-MURR0864)	22-Jan-22	14:48	16:49	✓	□
Flushing Zone F2	865 Murray Drive (F2-MURR0865)	22-Jan-22	13:00	16:58	✓	□
Flushing Zone F2	866 Murray Drive (F2-MURR0866)	22-Jan-22	14:03	17:04	✓	□
Flushing Zone F2	868 Murray Drive (F2-MURR0868)	22-Jan-22	14:50	17:46	✓	□
Flushing Zone F2	870 Murray Drive (F2-MURR0870)	23-Jan-22	10:00	12:25	✓	□
Flushing Zone F2	872 Murray Drive (F2-MURR0872)	23-Jan-22	10:00	12:25	✓	□
Flushing Zone F2	874 Murray Drive (F2-MURR0874)	23-Jan-22	10:00	12:26	✓	□
Flushing Zone F2	876 Murray Drive (F2-MURR0876)	23-Jan-22	10:00	12:27	✓	□
Flushing Zone F2	878 Murray Drive (F2-MURR0878)	23-Jan-22	11:45	13:36	✓	□
Flushing Zone F2	880 Murray Drive (F2-MURR0880)	23-Jan-22	11:45	13:15	✓	□
Flushing Zone F2	881 Murray Drive (F2-MURR0881)	22-Jan-22	14:00	16:59	✓	□
Flushing Zone F2	882 Murray Drive (F2-MURR0882)	22-Jan-22	15:00	16:34	✓	□
Flushing Zone F2	883 Murray Drive (F2-MURR0883)	22-Jan-22	14:00	17:00	✓	□
Flushing Zone F2	884 Murray Drive (F2-MURR0884)	22-Jan-22	15:00	16:35	✓	□
Flushing Zone F2	886 Murray Drive (F2-MURR0886)	23-Jan-22	11:00	12:43	✓	□
Flushing Zone F2	888 Murray Drive (F2-MURR0888)	22-Jan-22	14:00	17:47	✓	□
Flushing Zone F2	890 Murray Drive (F2-MURR0890)	23-Jan-22	11:00	12:33	✓	□
Flushing Zone F2	892 Murray Drive (F2-MURR0892)	23-Jan-22	11:00	12:30	✓	□
Flushing Zone F2	900 Murray Drive (F2-MURR0900)	22-Jan-22	12:00	14:50	✓	□
Flushing Zone F2	902 Murray Drive (F2-MURR0902)	22-Jan-22	10:00	16:30	✓	□
Flushing Zone F2	904 Murray Drive (F2-MURR0904)	22-Jan-22	15:00	16:39	✓	□
Flushing Zone F2	906 Murray Drive (F2-MURR0906)	22-Jan-22	13:00	15:12	✓	□
Flushing Zone F2	908 Murray Drive (F2-MURR0908)	22-Jan-22	14:00	15:47	✓	□
Flushing Zone F2	910 Murray Drive (F2-MURR0910)	22-Jan-22	13:00	16:41	✓	□
Flushing Zone F2	929 Murray Drive (F2-MURR0929)	22-Jan-22	12:00	13:27	✓	□
Flushing Zone F2	931 Murray Drive (F2-MURR0931)	22-Jan-22	11:00	13:21	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	933 Murray Drive (F2-MURR0933)	22-Jan-22	11:00	13:59	✓	□
Flushing Zone F2	935 Murray Drive (F2-MURR0935)	22-Jan-22	11:00	13:59	✓	□
Flushing Zone F2	937 Murray Drive (F2-MURR0937)	22-Jan-22	12:00	14:32	✓	□
Flushing Zone F2	939 Murray Drive (F2-MURR0939)	22-Jan-22	11:00	13:25	✓	□
Flushing Zone F2	940 Murray Drive (F2-MURR0940)	22-Jan-22	12:00	14:33	✓	□
Flushing Zone F2	941 Murray Drive (F2-MURR0941)	22-Jan-22	13:00	14:16	✓	□
Flushing Zone F2	942 Murray Drive (F2-MURR0942)	22-Jan-22	12:00	14:01	✓	□
Flushing Zone F2	943 Murray Drive (F2-MURR0943)	22-Jan-22	11:00	13:23	✓	□
Flushing Zone F2	945 Murray Drive (F2-MURR0945)	22-Jan-22	12:00	13:19	✓	□
Flushing Zone F2	947 Murray Drive (F2-MURR0947)	22-Jan-22	11:00	13:22	✓	□
Flushing Zone F2	948 Murray Drive (F2-MURR0948)	22-Jan-22	13:00	14:43	✓	□
Flushing Zone F2	949 Murray Drive (F2-MURR0949)	22-Jan-22	11:00	12:43	✓	□
Flushing Zone F2	950 Murray Drive (F2-MURR0950)	22-Jan-22	13:00	14:46	✓	□
Flushing Zone F2	951 Murray Drive (F2-MURR0951)	22-Jan-22	10:00	11:42	✓	□
Flushing Zone F2	953 Murray Drive (F2-MURR0953)	22-Jan-22	10:00	12:39	✓	□
Flushing Zone F2	955 Murray Drive (F2-MURR0955)	22-Jan-22	10:00	11:47	✓	□
Flushing Zone F2	956 Murray Drive (F2-MURR0956)	22-Jan-22	10:55	11:30	✓	□
Flushing Zone F2	958 Murray Drive (F2-MURR0958)	22-Jan-22	13:00	14:47	✓	□
Flushing Zone F2	964 Murray Drive (F2-MURR0964)	22-Jan-22	08:24	11:32	✓	□
Flushing Zone F2	966 Murray Drive (F2-MURR0966)	22-Jan-22	08:21	11:33	✓	□
Flushing Zone F2	972 Murray Drive (F2-MURR0972)	22-Jan-22	07:38	09:49	✓	□
Flushing Zone F2	974 Murray Drive (F2-MURR0974)	22-Jan-22	07:46	09:48	✓	□
Flushing Zone F2	4007 Noonan Street (F2-NOON4007)	22-Jan-22	07:35	11:07	✓	□
Flushing Zone F2	4009 Noonan Street (F2-NOON4009)	22-Jan-22	11:30	14:42	✓	□
Flushing Zone F2	4011 Noonan Street (F2-NOON4011)	22-Jan-22	08:00	11:47	✓	□
Flushing Zone F2	4013 Noonan Street (F2-NOON4013)	22-Jan-22	11:53	13:28	✓	□
Flushing Zone F2	4014 Noonan Street (F2-NOON4014)	22-Jan-22	07:35	08:52	✓	□
Flushing Zone F2	4015 Noonan Street (F2-NOON4015)	22-Jan-22	07:49	09:18	✓	□
Flushing Zone F2	4017 Noonan Street (F2-NOON4017)	22-Jan-22	13:34	14:56	✓	□
Flushing Zone F2	4018 Noonan Street (F2-NOON4018)	22-Jan-22	10:05	11:11	✓	□
Flushing Zone F2	4019 Noonan Street (F2-NOON4019)	22-Jan-22	13:39	14:56	✓	□
Flushing Zone F2	4021 Noonan Street (F2-NOON4021)	22-Jan-22	07:58	09:42	✓	□
Flushing Zone F2	4026 Noonan Street (F2-NOON4026)	22-Jan-22	09:43	11:39	✓	□
Flushing Zone F2	4027 Noonan Street (F2-NOON4027)	22-Jan-22	07:30	10:36	✓	□
Flushing Zone F2	4031 Noonan Street (F2-NOON4031)	22-Jan-22	07:51	10:39	✓	□
Flushing Zone F2	4032 Noonan Street (F2-NOON4032)	22-Jan-22	08:00	10:39	✓	□
Flushing Zone F2	4033 Noonan Street (F2-NOON4033)	22-Jan-22	10:45	13:28	✓	□
Flushing Zone F2	4036 Noonan Street (F2-NOON4036)	22-Jan-22	09:00	11:29	✓	□
Flushing Zone F2	4037 Noonan Street (F2-NOON4037)	22-Jan-22	23:00	16:08	✓	□
Flushing Zone F2	4040 Noonan Street (F2-NOON4040)	22-Jan-22	08:00	11:04	✓	□
Flushing Zone F2	4043 Noonan Street (F2-NOON4043)	22-Jan-22	11:23	13:29	✓	□
Flushing Zone F2	4044 Noonan Street (F2-NOON4044)	22-Jan-22	09:00	11:48	✓	□
Flushing Zone F2	4047 Noonan Street (F2-NOON4047)	22-Jan-22	14:30	15:47	✓	□
Flushing Zone F2	4049 Noonan Street (F2-NOON4049)	22-Jan-22	14:31	16:05	✓	□
Flushing Zone F2	4052 Noonan Street (F2-NOON4052)	22-Jan-22	11:30	14:26	✓	□
Flushing Zone F2	4054 Noonan Street (F2-NOON4054)	22-Jan-22	11:31	13:44	✓	□
Flushing Zone F2	4055 Noonan Street (F2-NOON4055)	22-Jan-22	07:55	11:20	✓	□
Flushing Zone F2	4058 Noonan Street (F2-NOON4058)	22-Jan-22	11:49	13:44	✓	□
Flushing Zone F2	4061 Noonan Street (F2-NOON4061)	22-Jan-22	08:29	13:05	✓	□
Flushing Zone F2	4062 Noonan Street (F2-NOON4062)	22-Jan-22	11:30	14:48	✓	□
Flushing Zone F2	4065 Noonan Street (F2-NOON4065)	22-Jan-22	09:22	13:07	✓	□
Flushing Zone F2	4068 Noonan Street (F2-NOON4068)	22-Jan-22	11:00	13:23	✓	□
Flushing Zone F2	4071 Noonan Street (F2-NOON4071)	22-Jan-22	09:28	13:08	✓	□
Flushing Zone F2	4072 Noonan Street (F2-NOON4072)	22-Jan-22	12:01	14:09	✓	□
Flushing Zone F2	4073 Noonan Street (F2-NOON4073)	22-Jan-22	13:09	15:09	✓	□
Flushing Zone F2	4076 Noonan Street (F2-NOON4076)	22-Jan-22	12:16	14:49	✓	□
Flushing Zone F2	4077 Noonan Street (F2-NOON4077)	22-Jan-22	13:13	13:14	✓	□
Flushing Zone F2	4081 Noonan Street (F2-NOON4081)	22-Jan-22	13:55	16:08	✓	□
Flushing Zone F2	4088 Noonan Street (F2-NOON4088)	22-Jan-22	13:37	16:07	✓	□
Flushing Zone F2	1620 Nye Circle (F2-NVECF1620)	23-Jan-22	09:29	11:31	✓	□
Flushing Zone F2	1622 Nye Circle (F2-NVECF1622)	23-Jan-22	09:30	11:32	✓	□
Flushing Zone F2	1624 Nye Circle (F2-NVECF1624)	23-Jan-22	09:47	11:03	✓	□
Flushing Zone F2	1626 Nye Circle (F2-NVECF1626)	23-Jan-22	09:47	11:05	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2	1670 Nye Circle (F2-NVECI670)	23-Jan-22	09:45	12:18	<input checked="" type="checkbox"/>
Flushing Zone F2	1672 Nye Circle (F2-NVECI672)	23-Jan-22	09:50	12:18	<input checked="" type="checkbox"/>
Flushing Zone F2	1674 Nye Circle (F2-NVECI674)	23-Jan-22	09:55	12:19	<input checked="" type="checkbox"/>
Flushing Zone F2	1676 Nye Circle (F2-NVECI676)	23-Jan-22	12:05	13:23	<input checked="" type="checkbox"/>
Flushing Zone F2	1720 Nye Circle (F2-NVECI720)	23-Jan-22	09:33	11:24	<input checked="" type="checkbox"/>
Flushing Zone F2	1722 Nye Circle (F2-NVECI722)	23-Jan-22	09:34	11:24	<input checked="" type="checkbox"/>
Flushing Zone F2	1724 Nye Circle (F2-NVECI724)	23-Jan-22	10:48	12:25	<input checked="" type="checkbox"/>
Flushing Zone F2	1726 Nye Circle (F2-NVECI726)	23-Jan-22	10:48	12:25	<input checked="" type="checkbox"/>
Flushing Zone F2	1786 Nye Circle (F2-NVECI786)	23-Jan-22	12:28	13:01	<input checked="" type="checkbox"/>
Flushing Zone F2	1788 Nye Circle (F2-NVECI788)	23-Jan-22	12:35	19:14	<input checked="" type="checkbox"/>
Flushing Zone F2	1820 Nye Circle (F2-NVECI820)	23-Jan-22	09:56	11:35	<input checked="" type="checkbox"/>
Flushing Zone F2	1822 Nye Circle (F2-NVECI822)	23-Jan-22	11:39	12:48	<input checked="" type="checkbox"/>
Flushing Zone F2	1824 Nye Circle (F2-NVECI824)	23-Jan-22	11:35	12:28	<input checked="" type="checkbox"/>
Flushing Zone F2	1826 Nye Circle (F2-NVECI826)	23-Jan-22	09:50	11:39	<input checked="" type="checkbox"/>
Flushing Zone F2	1931 Nye Place (F2-NYEPI931)	23-Jan-22	09:39	11:27	<input checked="" type="checkbox"/>
Flushing Zone F2	1932 Nye Place (F2-NYEPI932)	23-Jan-22	10:17	11:29	<input checked="" type="checkbox"/>
Flushing Zone F2	1933 Nye Place (F2-NYEPI933)	23-Jan-22	09:37	11:28	<input checked="" type="checkbox"/>
Flushing Zone F2	1934 Nye Place (F2-NYEPI934)	23-Jan-22	10:17	13:06	<input checked="" type="checkbox"/>
Flushing Zone F2	1936 Nye Place (F2-NYEPI936)	23-Jan-22	11:10	13:08	<input checked="" type="checkbox"/>
Flushing Zone F2	1938 Nye Place (F2-NYEPI938)	23-Jan-22	11:30	13:10	<input checked="" type="checkbox"/>
Flushing Zone F2	1944 Nye Place (F2-NYEPI944)	23-Jan-22	11:40	13:16	<input checked="" type="checkbox"/>
Flushing Zone F2	1946 Nye Place (F2-NYEPI946)	23-Jan-22	09:48	11:24	<input checked="" type="checkbox"/>
Flushing Zone F2	1947 Nye Place (F2-NYEPI947)	23-Jan-22	11:28	12:17	<input checked="" type="checkbox"/>
Flushing Zone F2	1948 Nye Place (F2-NYEPI948)	23-Jan-22	10:03	11:31	<input checked="" type="checkbox"/>
Flushing Zone F2	1949 Nye Place (F2-NYEPI949)	23-Jan-22	11:29	13:24	<input checked="" type="checkbox"/>
Flushing Zone F2	1950 Nye Place (F2-NYEPI950)	23-Jan-22	11:33	13:04	<input checked="" type="checkbox"/>
Flushing Zone F2	1908 O'Callahan Street (F2-OCALI908)	22-Jan-22	15:37	14:18	<input checked="" type="checkbox"/>
Flushing Zone F2	1909 O'Callahan Street (F2-OCALI909)	23-Jan-22	10:15	13:30	<input checked="" type="checkbox"/>
Flushing Zone F2	1910 O'Callahan Street (F2-OCALI910)	22-Jan-22	15:50	18:01	<input checked="" type="checkbox"/>
Flushing Zone F2	1911 O'Callahan Street (F2-OCALI911)	22-Jan-22	15:38	18:02	<input checked="" type="checkbox"/>
Flushing Zone F2	1918 O'Callahan Street (F2-OCALI918)	23-Jan-22	10:10	11:36	<input checked="" type="checkbox"/>
Flushing Zone F2	1919 O'Callahan Street (F2-OCALI919)	22-Jan-22	15:55	18:03	<input checked="" type="checkbox"/>
Flushing Zone F2	1920 O'Callahan Street (F2-OCALI920)	22-Jan-22	15:45	18:04	<input checked="" type="checkbox"/>
Flushing Zone F2	1921 O'Callahan Street (F2-OCALI921)	23-Jan-22	10:21	11:57	<input checked="" type="checkbox"/>
Flushing Zone F2	1926 O'Callahan Street (F2-OCALI926)	22-Jan-22	16:07	18:05	<input checked="" type="checkbox"/>
Flushing Zone F2	1927 O'Callahan Street (F2-OCALI927)	22-Jan-22	16:10	18:07	<input checked="" type="checkbox"/>
Flushing Zone F2	1928 O'Callahan Street (F2-OCALI928)	22-Jan-22	16:00	18:08	<input checked="" type="checkbox"/>
Flushing Zone F2	1929 O'Callahan Street (F2-OCALI929)	22-Jan-22	15:50	18:09	<input checked="" type="checkbox"/>
Flushing Zone F2	1952 O'Callahan Street (F2-OCALI952)	23-Jan-22	10:17	12:42	<input checked="" type="checkbox"/>
Flushing Zone F2	1954 O'Callahan Street (F2-OCALI954)	23-Jan-22	12:39	14:41	<input checked="" type="checkbox"/>
Flushing Zone F2	1956 O'Callahan Street (F2-OCALI956)	23-Jan-22	11:35	12:02	<input checked="" type="checkbox"/>
Flushing Zone F2	1958 O'Callahan Street (F2-OCALI958)	23-Jan-22	10:26	11:57	<input checked="" type="checkbox"/>
Flushing Zone F2	1960 O'Callahan Street (F2-OCALI960)	23-Jan-22	10:38	13:38	<input checked="" type="checkbox"/>
Flushing Zone F2	1962 O'Callahan Street (F2-OCALI962)	23-Jan-22	11:30	13:30	<input checked="" type="checkbox"/>
Flushing Zone F2	1970 O'Callahan Street (F2-OCALI970)	23-Jan-22	12:15	14:29	<input checked="" type="checkbox"/>
Flushing Zone F2	1972 O'Callahan Street (F2-OCALI972)	23-Jan-22	12:15	19:15	<input checked="" type="checkbox"/>
Flushing Zone F2	1974 O'Callahan Street (F2-OCALI974)	23-Jan-22	12:28	13:18	<input checked="" type="checkbox"/>
Flushing Zone F2	1976 O'Callahan Street (F2-OCALI976)	23-Jan-22	12:12	13:57	<input checked="" type="checkbox"/>
Flushing Zone F2	1978 O'Callahan Street (F2-OCALI978)	23-Jan-22	13:50	15:06	<input checked="" type="checkbox"/>
Flushing Zone F2	1980 O'Callahan Street (F2-OCALI980)	23-Jan-22	14:24	15:23	<input checked="" type="checkbox"/>
Flushing Zone F2	2788 O'Callahan Street (F2-OCAL2788)	23-Jan-22	14:36	15:06	<input checked="" type="checkbox"/>
Flushing Zone F2	576 Paul Lane (F2-PAUL0576)	21-Jan-22	08:08	11:07	<input checked="" type="checkbox"/>
Flushing Zone F2	579 Paul Lane (F2-PAUL0579)	21-Jan-22	07:30	09:45	<input checked="" type="checkbox"/>
Flushing Zone F2	580 Paul Lane (F2-PAUL0580)	21-Jan-22	08:08	11:06	<input checked="" type="checkbox"/>
Flushing Zone F2	585 Paul Lane (F2-PAUL0585)	21-Jan-22	07:35	17:11	<input checked="" type="checkbox"/>
Flushing Zone F2	586 Paul Lane (F2-PAUL0586)	21-Jan-22	11:08	13:53	<input checked="" type="checkbox"/>
Flushing Zone F2	580 Peltier Avenue (F2-PELT0580)	22-Jan-22	07:39	10:03	<input checked="" type="checkbox"/>
Flushing Zone F2	582 Peltier Avenue (F2-PELT0582)	22-Jan-22	07:59	09:20	<input checked="" type="checkbox"/>
Flushing Zone F2	586 Peltier Avenue (F2-PELT0586)	22-Jan-22	10:50	12:16	<input checked="" type="checkbox"/>
Flushing Zone F2	588 Peltier Avenue (F2-PELT0588)	22-Jan-22	15:01	16:21	<input checked="" type="checkbox"/>
Flushing Zone F2	592 Peltier Avenue (F2-PELT0592)	22-Jan-22	10:15	12:16	<input checked="" type="checkbox"/>
Flushing Zone F2	3210 Peterson Court (F2-PETE3210)	21-Jan-22	14:00	15:43	<input checked="" type="checkbox"/>

Reason(s) Selected:
Other
property does not exist

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	3212 Peterson Court (F2-PETE3212)	21-Jan-22	14:00	15:45	✓	□
Flushing Zone F2	3214 Peterson Court (F2-PETE3214)	21-Jan-22	15:00	17:30	✓	□
Flushing Zone F2	3216 Peterson Court (F2-PETE3216)	21-Jan-22	15:00	16:19	✓	□
Flushing Zone F2	3218 Peterson Court (F2-PETE3218)	21-Jan-22	14:35	16:00	✓	□
Flushing Zone F2	3220 Peterson Court (F2-PETE3220)	21-Jan-22	14:54	16:00	✓	□
Flushing Zone F2	3222 Peterson Court (F2-PETE3222)	21-Jan-22	14:37	15:20	✓	□
Flushing Zone F2	3224 Peterson Court (F2-PETE3224)	21-Jan-22	14:38	15:16	✓	□
Flushing Zone F2	3226 Peterson Court (F2-PETE3226)	21-Jan-22	14:38	16:11	✓	□
Flushing Zone F2	3228 Peterson Court (F2-PETE3228)	21-Jan-22	14:38	16:08	✓	□
Flushing Zone F2	3230 Peterson Court (F2-PETE3230)	22-Jan-22	22:50	12:44	✓	□
Flushing Zone F2	3232 Peterson Court (F2-PETE3232)	21-Jan-22	14:54	16:19	✓	□
Flushing Zone F2	3234 Peterson Court (F2-PETE3234)	21-Jan-22	14:51	17:14	✓	□
Flushing Zone F2	3236 Peterson Court (F2-PETE3236)	21-Jan-22	14:51	17:13	✓	□
Flushing Zone F2	3238 Peterson Court (F2-PETE3238)	21-Jan-22	15:33	17:39	✓	□
Flushing Zone F2	3240 Peterson Court (F2-PETE3240)	21-Jan-22	15:30	18:40	✓	□
Flushing Zone F2	3242 Peterson Court (F2-PETE3242)	21-Jan-22	14:43	14:43	✓	□
Flushing Zone F2	3244 Peterson Court (F2-PETE3244)	21-Jan-22	14:43	17:17	✓	□
Flushing Zone F2	3246 Peterson Court (F2-PETE3246)	21-Jan-22	15:01	17:20	✓	□
Flushing Zone F2	3248 Peterson Court (F2-PETE3248)	21-Jan-22	15:00	17:19	✓	□
Flushing Zone F2	3250 Peterson Court (F2-PETE3250)	21-Jan-22	15:25	16:48	✓	□
Flushing Zone F2	3252 Peterson Court (F2-PETE3252)	21-Jan-22	15:10	16:49	✓	□
Flushing Zone F2	3254 Peterson Court (F2-PETE3254)	21-Jan-22	15:10	16:31	✓	□
Flushing Zone F2	3256 Peterson Court (F2-PETE3256)	21-Jan-22	15:08	16:24	✓	□
Flushing Zone F2	3258 Peterson Court (F2-PETE3258)	21-Jan-22	15:50	15:00	✓	□
Flushing Zone F2	3260 Peterson Court (F2-PETE3260)	21-Jan-22	15:25	16:43	✓	□
Flushing Zone F2	3262 Peterson Court (F2-PETE3262)	21-Jan-22	15:39	17:27	✓	□
Flushing Zone F2	3264 Peterson Court (F2-PETE3264)	21-Jan-22	16:50	17:36	✓	□
Flushing Zone F2	1650 Plumbago Court (F2-PLUM1650)	23-Jan-22	10:00	12:30	✓	□
Flushing Zone F2	1652 Plumbago Court (F2-PLUM1652)	23-Jan-22	10:00	11:31	✓	□
Flushing Zone F2	1653 Plumbago Court (F2-PLUM1653)	23-Jan-22	09:53	11:53	✓	□
Flushing Zone F2	1654 Plumbago Court (F2-PLUM1654)	23-Jan-22	11:00	12:56	✓	□
Flushing Zone F2	1655 Plumbago Court (F2-PLUM1655)	23-Jan-22	09:48	11:49	✓	□
Flushing Zone F2	1656 Plumbago Court (F2-PLUM1656)	23-Jan-22	11:00	13:13	✓	□
Flushing Zone F2	1657 Plumbago Court (F2-PLUM1657)	23-Jan-22	09:46	11:16	✓	□
Flushing Zone F2	1659 Plumbago Court (F2-PLUM1659)	23-Jan-22	09:46	11:20	✓	□
Flushing Zone F2	1672 Plumbago Court (F2-PLUM1672)	23-Jan-22	09:50	10:24	✓	□
Flushing Zone F2	1673 Plumbago Court (F2-PLUM1673)	23-Jan-22	09:50	11:29	✓	□
Flushing Zone F2	1674 Plumbago Court (F2-PLUM1674)	23-Jan-22	10:01	10:46	✓	□
Flushing Zone F2	1675 Plumbago Court (F2-PLUM1675)	23-Jan-22	09:50	13:33	✓	□
Flushing Zone F2	1676 Plumbago Court (F2-PLUM1676)	23-Jan-22	10:20	11:35	✓	□
Flushing Zone F2	1678 Plumbago Court (F2-PLUM1678)	23-Jan-22	10:35	12:12	✓	□
Flushing Zone F2	605 Pool Street (F2-POOL605)	22-Jan-22	12:00	14:15	✓	□
Flushing Zone F2	609 Pool Street (F2-POOL609)	22-Jan-22	13:15	14:14	✓	□
Flushing Zone F2	613 Pool Street (F2-POOL613)	22-Jan-22	12:00	13:24	✓	□
Flushing Zone F2	617 Pool Street (F2-POOL617)	22-Jan-22	12:52	14:38	✓	□
Flushing Zone F2	625 Pool Street (F2-POOL625)	22-Jan-22	11:00	14:12	✓	□
Flushing Zone F2	629 Pool Street (F2-POOL629)	22-Jan-22	01:00	14:27	✓	□
Flushing Zone F2	633 Pool Street (F2-POOL633)	22-Jan-22	11:00	14:48	✓	□
Flushing Zone F2	643 Pool Street (F2-POOL643)	22-Jan-22	09:40	11:32	✓	□
Flushing Zone F2	645 Pool Street (F2-POOL645)	22-Jan-22	09:51	14:42	✓	□
Flushing Zone F2	649 Pool Street (F2-POOL649)	22-Jan-22	10:11	11:48	✓	□
Flushing Zone F2	653 Pool Street (F2-POOL653)	22-Jan-22	10:11	11:42	✓	□
Flushing Zone F2	657 Pool Street (F2-POOL657)	22-Jan-22	10:00	11:41	✓	□
Flushing Zone F2	661 Pool Street (F2-POOL661)	22-Jan-22	08:00	10:27	✓	□
Flushing Zone F2	665 Pool Street (F2-POOL665)	29-Jan-22	08:00	10:19	✓	□
Flushing Zone F2	669 Pool Street (F2-POOL669)	22-Jan-22	08:00	09:55	✓	□
Flushing Zone F2	673 Pool Street (F2-POOL673)	22-Jan-22	10:20	11:33	✓	□
Flushing Zone F2	683 Pool Street (F2-POOL683)	22-Jan-22	12:58	14:37	✓	□
Flushing Zone F2	687 Pool Street (F2-POOL687)	22-Jan-22	20:00	14:46	✓	□
Flushing Zone F2	691 Pool Street (F2-POOL691)	22-Jan-22	08:00	10:00	✓	□
Flushing Zone F2	710 Pool Street (F2-POOL710)	22-Jan-22	12:50	14:05	✓	□
Flushing Zone F2	726 Pool Street (F2-POOL726)	22-Jan-22	12:50	14:04	✓	□
Flushing Zone F2	730 Pool Street (F2-POOL730)	22-Jan-22	08:12	09:46	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	733 Pool Street (F2-POOL0733)	22-Jan-22	10:05	11:08	✓	□
Flushing Zone F2	734 Pool Street (F2-POOL0734)	22-Jan-22	08:10	09:46	✓	□
Flushing Zone F2	735 Pool Street (F2-POOL0735)	22-Jan-22	11:18	12:40	✓	□
Flushing Zone F2	737 Pool Street (F2-POOL0737)	22-Jan-22	12:51	15:00	✓	□
Flushing Zone F2	740 Pool Street (F2-POOL0740)	22-Jan-22	10:06	11:20	✓	□
Flushing Zone F2	744 Pool Street (F2-POOL0744)	22-Jan-22	13:00	14:54	✓	□
Flushing Zone F2	805 Ramage Street (F2-RAMAO805)	21-Jan-22	12:00	14:15	✓	□
Flushing Zone F2	809 Ramage Street (F2-RAMAO809)	21-Jan-22	12:21	13:49	✓	□
Flushing Zone F2	810 Ramage Street (F2-RAMAO810)	21-Jan-22	07:55	09:51	✓	□
Flushing Zone F2	813 Ramage Street (F2-RAMAO813)	21-Jan-22	07:55	09:50	✓	□
Flushing Zone F2	814 Ramage Street (F2-RAMAO814)	21-Jan-22	08:28	09:52	✓	□
Flushing Zone F2	818 Ramage Street (F2-RAMAO818)	21-Jan-22	14:28	17:56	✓	□
Flushing Zone F2	819 Ramage Street (F2-RAMAO819)	21-Jan-22	07:55	09:47	✓	□
Flushing Zone F2	821 Ramage Street (F2-RAMAO821)	21-Jan-22	07:55	09:31	✓	□
Flushing Zone F2	822 Ramage Street (F2-RAMAO822)	21-Jan-22	09:30	11:26	✓	□
Flushing Zone F2	825 Ramage Street (F2-RAMAO825)	21-Jan-22	10:16	11:45	✓	□
Flushing Zone F2	828 Ramage Street (F2-RAMAO828)	21-Jan-22	13:12	14:59	✓	□
Flushing Zone F2	829 Ramage Street (F2-RAMAO829)	21-Jan-22	10:11	12:20	✓	□
Flushing Zone F2	807 Rogers Street (F2-ROGE0807)	22-Jan-22	13:46	15:05	✓	□
Flushing Zone F2	811 Rogers Street (F2-ROGE0811)	22-Jan-22	13:45	18:14	✓	□
Flushing Zone F2	817 Rogers Street (F2-ROGE0817)	22-Jan-22	14:24	15:35	✓	□
Flushing Zone F2	820 Rogers Street (F2-ROGE0820)	22-Jan-22	13:55	15:34	✓	□
Flushing Zone F2	825 Rogers Street (F2-ROGE0825)	22-Jan-22	13:56	14:35	✓	□
Flushing Zone F2	826 Rogers Street (F2-ROGE0826)	22-Jan-22	13:54	15:33	✓	□
Flushing Zone F2	829 Rogers Street (F2-ROGE0829)	22-Jan-22	13:55	16:44	✓	□
Flushing Zone F2	830 Rogers Street (F2-ROGE0830)	22-Jan-22	12:00	12:17	✓	□
Flushing Zone F2	707 Sanders Circle (F2-SAND0707)	21-Jan-22	08:03	10:09	✓	□
Flushing Zone F2	711 Sanders Circle (F2-SAND0711)	21-Jan-22	08:10	12:10	✓	□
Flushing Zone F2	715 Sanders Circle (F2-SAND0715)	21-Jan-22	08:25	10:06	✓	□
Flushing Zone F2	719 Sanders Circle (F2-SAND0719)	21-Jan-22	08:00	09:51	✓	□
Flushing Zone F2	721 Sanders Circle (F2-SAND0721)	21-Jan-22	08:39	10:02	✓	□
Flushing Zone F2	725 Sanders Circle (F2-SAND0725)	21-Jan-22	09:54	12:19	✓	□
Flushing Zone F2	729 Sanders Circle (F2-SAND0729)	21-Jan-22	10:09	12:45	✓	□
Flushing Zone F2	737 Sanders Circle (F2-SAND0737)	21-Jan-22	12:41	13:41	✓	□
Flushing Zone F2	741 Sanders Circle (F2-SAND0741)	21-Jan-22	10:11	12:20	✓	□
Flushing Zone F2	745 Sanders Circle (F2-SAND0745)	21-Jan-22	10:25	12:15	✓	□
Flushing Zone F2	2744 Schmitt Parkway (F2-SCHM2744)	23-Jan-22	10:04	12:29	✓	□
Flushing Zone F2	2746 Schmitt Parkway (F2-SCHM2746)	23-Jan-22	09:53	13:25	✓	□
Flushing Zone F2	2754 Schmitt Parkway (F2-SCHM2754)	23-Jan-22	10:32	13:40	✓	□
Flushing Zone F2	2756 Schmitt Parkway (F2-SCHM2756)	23-Jan-22	09:56	13:44	✓	□
Flushing Zone F2	2763 Schmitt Parkway (F2-SCHM2763)	23-Jan-22	10:19	12:32	✓	□
Flushing Zone F2	2765 Schmitt Parkway (F2-SCHM2765)	23-Jan-22	11:17	14:07	✓	□
Flushing Zone F2	2767 Schmitt Parkway (F2-SCHM2767)	23-Jan-22	10:38	14:31	✓	□
Flushing Zone F2	2769 Schmitt Parkway (F2-SCHM2769)	23-Jan-22	10:46	12:26	✓	□
Flushing Zone F2	2770 Schmitt Parkway (F2-SCHM2770)	23-Jan-22	09:50	12:43	✓	□
Flushing Zone F2	2772 Schmitt Parkway (F2-SCHM2772)	23-Jan-22	10:35	14:24	✓	□
Flushing Zone F2	2775 Schmitt Parkway (F2-SCHM2775)	23-Jan-22	10:12	14:09	✓	□
Flushing Zone F2	2777 Schmitt Parkway (F2-SCHM2777)	23-Jan-22	11:43	13:49	✓	□
Flushing Zone F2	2778 Schmitt Parkway (F2-SCHM2778)	23-Jan-22	13:00	14:36	✓	□
Flushing Zone F2	2780 Schmitt Parkway (F2-SCHM2780)	23-Jan-22	12:52	14:10	✓	□
Flushing Zone F2	2785 Schmitt Parkway (F2-SCHM2785)	23-Jan-22	12:11	13:46	✓	□
Flushing Zone F2	2787 Schmitt Parkway (F2-SCHM2787)	23-Jan-22	12:11	13:49	✓	□
Flushing Zone F2	2788 Schmitt Parkway (F2-SCHM2788)	23-Jan-22	13:00	15:07	✓	□
Flushing Zone F2	2790 Schmitt Parkway (F2-SCHM2790)	23-Jan-22	12:48	14:00	✓	□
Flushing Zone F2	3263 Shields Lane (F2-SHIE3263)	21-Jan-22	07:55	13:15	✓	□
Flushing Zone F2	3267 Shields Lane (F2-SHIE3267)	21-Jan-22	11:00	13:07	✓	□
Flushing Zone F2	3269 Shields Lane (F2-SHIE3269)	21-Jan-22	07:00	09:34	✓	□
Flushing Zone F2	3273 Shields Lane (F2-SHIE3273)	21-Jan-22	09:00	17:28	✓	□
Flushing Zone F2	3277 Shields Lane (F2-SHIE3277)	21-Jan-22	13:00	15:37	✓	□
Flushing Zone F2	3278 Shields Lane (F2-SHIE3278)	21-Jan-22	08:00	13:18	✓	□
Flushing Zone F2	3281 Shields Lane (F2-SHIE3281)	21-Jan-22	14:30	17:30	✓	□
Flushing Zone F2	3282 Shields Lane (F2-SHIE3282)	21-Jan-22	08:00	13:57	✓	□
Flushing Zone F2	3285 Shields Lane (F2-SHIE3285)	21-Jan-22	14:15	17:18	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	3286 Shields Lane (F2-SHE3286)	21-Jan-22	08:00	17:37	☑
Flushing Zone F2	3287 Shields Lane (F2-SHE3287)	21-Jan-22	14:15	17:16	☑
Flushing Zone F2	3288 Shields Lane (F2-SHE3288)	21-Jan-22	07:45	12:13	☑
Flushing Zone F2	3226 Shields Street (F2-SHE3226)	21-Jan-22	12:19	13:37	☑
Flushing Zone F2	3228 Shields Street (F2-SHE3228)	21-Jan-22	12:15	13:55	☑
Flushing Zone F2	5230 Shields Street (F2-SHE5230)	21-Jan-22	10:45	12:05	☑
Flushing Zone F2	5234 Shields Street (F2-SHE5234)	21-Jan-22	11:05	12:34	☑
Flushing Zone F2	5238 Shields Street (F2-SHE5238)	21-Jan-22	10:17	11:37	☑
Flushing Zone F2	5240 Shields Street (F2-SHE5240)	21-Jan-22	08:21	10:13	☑
Flushing Zone F2	5244 Shields Street (F2-SHE5244)	21-Jan-22	08:15	10:29	☑
Flushing Zone F2	5248 Shields Street (F2-SHE5248)	21-Jan-22	08:20	11:27	☑
Flushing Zone F2	5254 Shields Street (F2-SHE5254)	21-Jan-22	09:00	11:21	☑
Flushing Zone F2	5256 Shields Street (F2-SHE5256)	21-Jan-22	09:55	12:17	☑
Flushing Zone F2	5260 Shields Street (F2-SHE5260)	21-Jan-22	10:35	12:03	☑
Flushing Zone F2	5264 Shields Street (F2-SHE5264)	21-Jan-22	10:17	12:20	☑
Flushing Zone F2	5268 Shields Street (F2-SHE5268)	21-Jan-22	08:14	10:06	☑
Flushing Zone F2	5272 Shields Street (F2-SHE5272)	21-Jan-22	08:16	10:44	☑
Flushing Zone F2	5286 Shields Street (F2-SHE5286)	25-Jan-22	10:20	11:32	☑
Flushing Zone F2	5290 Shields Street (F2-SHE5290)	21-Jan-22	08:01	10:35	☑
Flushing Zone F2	5294 Shields Street (F2-SHE5294)	21-Jan-22	14:37	17:37	☑
Flushing Zone F2	5296 Shields Street (F2-SHE5296)	21-Jan-22	14:37	17:37	☑
Flushing Zone F2	5300 Shields Street (F2-SHE5300)	21-Jan-22	14:37	17:36	☑
Flushing Zone F2	5310 Shields Street (F2-SHE5310)	21-Jan-22	11:59	13:52	☑
Flushing Zone F2	5314 Shields Street (F2-SHE5314)	21-Jan-22	09:57	11:11	☑
Flushing Zone F2	5318 Shields Street (F2-SHE5318)	21-Jan-22	09:58	11:22	☑
Flushing Zone F2	5320 Shields Street (F2-SHE5320)	21-Jan-22	12:55	14:27	☑
Flushing Zone F2	5324 Shields Street (F2-SHE5324)	21-Jan-22	13:15	14:22	☑
Flushing Zone F2	5328 Shields Street (F2-SHE5328)	21-Jan-22	14:36	16:27	☑
Flushing Zone F2	5332 Shields Street (F2-SHE5332)	21-Jan-22	08:26	10:48	☑
Flushing Zone F2	5334 Shields Street (F2-SHE5334)	21-Jan-22	08:33	11:35	☑
Flushing Zone F2	5338 Shields Street (F2-SHE5338)	21-Jan-22	10:53	13:31	☑
Flushing Zone F2	5342 Shields Street (F2-SHE5342)	21-Jan-22	07:31	10:33	☑
Flushing Zone F2	5346 Shields Street (F2-SHE5346)	21-Jan-22	10:15	12:15	☑
Flushing Zone F2	5350 Shields Street (F2-SHE5350)	21-Jan-22	09:47	12:16	☑
Flushing Zone F2	5352 Shields Street (F2-SHE5352)	21-Jan-22	07:30	09:47	☑
Flushing Zone F2	711 Sibley Street (F2-SIBL0711)	22-Jan-22	07:57	10:24	☑
Flushing Zone F2	713 Sibley Street (F2-SIBL0713)	22-Jan-22	07:57	11:14	☑
Flushing Zone F2	716 Sibley Street (F2-SIBL0716)	22-Jan-22	12:31	13:27	☑
Flushing Zone F2	717 Sibley Street (F2-SIBL0717)	22-Jan-22	12:31	16:09	☑
Flushing Zone F2	718 Sibley Street (F2-SIBL0718)	22-Jan-22	15:48	13:59	☑
Flushing Zone F2	719 Sibley Street (F2-SIBL0719)	22-Jan-22	10:50	13:37	☑
Flushing Zone F2	720 Sibley Street (F2-SIBL0720)	22-Jan-22	13:45	17:19	☑
Flushing Zone F2	721 Sibley Street (F2-SIBL0721)	22-Jan-22	07:49	10:33	☑
Flushing Zone F2	722 Sibley Street (F2-SIBL0722)	22-Jan-22	13:00	17:02	☑
Flushing Zone F2	723 Sibley Street (F2-SIBL0723)	22-Jan-22	07:48	09:25	☑
Flushing Zone F2	724 Sibley Street (F2-SIBL0724)	22-Jan-22	14:40	17:29	☑
Flushing Zone F2	725 Sibley Street (F2-SIBL0725)	22-Jan-22	09:33	12:46	☑
Flushing Zone F2	730 Sibley Street (F2-SIBL0730)	22-Jan-22	07:39	09:12	☑
Flushing Zone F2	731 Sibley Street (F2-SIBL0731)	22-Jan-22	15:10	16:31	☑
Flushing Zone F2	732 Sibley Street (F2-SIBL0732)	22-Jan-22	07:44	09:20	☑
Flushing Zone F2	733 Sibley Street (F2-SIBL0733)	22-Jan-22	10:41	12:47	☑
Flushing Zone F2	734 Sibley Street (F2-SIBL0734)	22-Jan-22	09:20	10:53	☑
Flushing Zone F2	735 Sibley Street (F2-SIBL0735)	22-Jan-22	12:55	14:56	☑
Flushing Zone F2	736 Sibley Street (F2-SIBL0736)	22-Jan-22	09:20	10:54	☑
Flushing Zone F2	737 Sibley Street (F2-SIBL0737)	22-Jan-22	13:53	16:12	☑
Flushing Zone F2	738 Sibley Street (F2-SIBL0738)	22-Jan-22	10:45	11:56	☑
Flushing Zone F2	740 Sibley Street (F2-SIBL0740)	22-Jan-22	10:46	11:57	☑
Flushing Zone F2	741 Sibley Street (F2-SIBL0741)	22-Jan-22	07:28	08:55	☑
Flushing Zone F2	742 Sibley Street (F2-SIBL0742)	22-Jan-22	12:02	13:45	☑
Flushing Zone F2	744 Sibley Street (F2-SIBL0744)	22-Jan-22	11:43	13:10	☑
Flushing Zone F2	745 Sibley Street (F2-SIBL0745)	22-Jan-22	07:51	09:46	☑
Flushing Zone F2	749 Sibley Street (F2-SIBL0749)	22-Jan-22	08:58	10:34	☑
Flushing Zone F2	751 Sibley Street (F2-SIBL0751)	22-Jan-22	09:55	11:05	☑

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

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Flushing Zone F2	757 Sibley Street (F2-SIBL0757)	22-Jan-22	13:23	14:48	✓	□
Flushing Zone F2	759 Sibley Street (F2-SIBL0759)	22-Jan-22	11:18	12:47	✓	□
Flushing Zone F2	760 Sibley Street (F2-SIBL0760)	22-Jan-22	12:39	12:39	✓	□
Flushing Zone F2	764 Sibley Street (F2-SIBL0764)	22-Jan-22	12:50	14:07	✓	□
Flushing Zone F2	766 Sibley Street (F2-SIBL0766)	22-Jan-22	07:57	09:42	✓	□
Flushing Zone F2	767 Sibley Street (F2-SIBL0767)	22-Jan-22	09:44	11:03	✓	□
Flushing Zone F2	770 Sibley Street (F2-SIBL0770)	22-Jan-22	09:49	11:12	✓	□
Flushing Zone F2	775 Sibley Street (F2-SIBL0775)	22-Jan-22	13:12	14:30	✓	□
Flushing Zone F2	3136 Snyder Court (F2-SNYD3136)	21-Jan-22	12:00	14:26	✓	□
Flushing Zone F2	3138 Snyder Court (F2-SNYD3138)	21-Jan-22	12:00	14:22	✓	□
Flushing Zone F2	3140 Snyder Court (F2-SNYD3140)	21-Jan-22	12:00	13:08	✓	□
Flushing Zone F2	3142 Snyder Court (F2-SNYD3142)	23-Jan-22	15:21	19:19	✓	□
Flushing Zone F2	3144 Snyder Court (F2-SNYD3144)	21-Jan-22	12:00	14:23	✓	□
Flushing Zone F2	3146 Snyder Court (F2-SNYD3146)	21-Jan-22	12:00	14:25	✓	□
Flushing Zone F2	3148 Snyder Court (F2-SNYD3148)	21-Jan-22	12:00	14:30	✓	□
Flushing Zone F2	3150 Snyder Court (F2-SNYD3150)	21-Jan-22	14:00	15:03	✓	□
Flushing Zone F2	3152 Snyder Court (F2-SNYD3152)	21-Jan-22	14:00	16:35	✓	□
Flushing Zone F2	3154 Snyder Court (F2-SNYD3154)	21-Jan-22	14:00	15:33	✓	□
Flushing Zone F2	3156 Snyder Court (F2-SNYD3156)	21-Jan-22	23:30	13:31	✓	□
Flushing Zone F2	3158 Snyder Court (F2-SNYD3158)	21-Jan-22	23:41	13:42	✓	□
Flushing Zone F2	3160 Snyder Court (F2-SNYD3160)	21-Jan-22	13:21	15:23	✓	□
Flushing Zone F2	3162 Snyder Court (F2-SNYD3162)	21-Jan-22	13:45	15:47	✓	□
Flushing Zone F2	3164 Snyder Court (F2-SNYD3164)	21-Jan-22	13:43	16:44	✓	□
Flushing Zone F2	3166 Snyder Court (F2-SNYD3166)	21-Jan-22	15:03	17:05	✓	□
Flushing Zone F2	3168 Snyder Court (F2-SNYD3168)	21-Jan-22	14:00	16:36	✓	□
Flushing Zone F2	3170 Snyder Court (F2-SNYD3170)	21-Jan-22	14:00	16:06	✓	□
Flushing Zone F2	3172 Snyder Court (F2-SNYD3172)	21-Jan-22	15:06	17:08	✓	□
Flushing Zone F2	3174 Snyder Court (F2-SNYD3174)	21-Jan-22	15:00	16:58	✓	□
Flushing Zone F2	3176 Snyder Court (F2-SNYD3176)	21-Jan-22	15:08	17:09	✓	□
Flushing Zone F2	3178 Snyder Court (F2-SNYD3178)	21-Jan-22	15:00	11:20	✓	□
Flushing Zone F2	3180 Snyder Court (F2-SNYD3180)	21-Jan-22	15:00	16:13	✓	□
Flushing Zone F2	3182 Snyder Court (F2-SNYD3182)	21-Jan-22	14:00	15:31	✓	□
Flushing Zone F2	3184 Snyder Court (F2-SNYD3184)	21-Jan-22	14:00	15:30	✓	□
Flushing Zone F2	3186 Snyder Court (F2-SNYD3186)	21-Jan-22	14:00	15:32	✓	□
Flushing Zone F2	3188 Snyder Court (F2-SNYD3188)	21-Jan-22	14:00	15:34	✓	□
Flushing Zone F2	3190 Snyder Court (F2-SNYD3190)	21-Jan-22	13:00	14:29	✓	□
Flushing Zone F2	3192 Snyder Court (F2-SNYD3192)	21-Jan-22	13:00	14:29	✓	□
Flushing Zone F2	3194 Snyder Court (F2-SNYD3194)	21-Jan-22	13:00	14:25	✓	□
Flushing Zone F2	3196 Snyder Court (F2-SNYD3196)	21-Jan-22	12:00	14:21	✓	□
Flushing Zone F2	3198 Snyder Court (F2-SNYD3198)	21-Jan-22	12:00	13:12	✓	□
Flushing Zone F2	3200 Snyder Court (F2-SNYD3200)	21-Jan-22	13:00	14:28	✓	□
Flushing Zone F2	3202 Snyder Court (F2-SNYD3202)	21-Jan-22	11:00	12:42	✓	□
Flushing Zone F2	3204 Snyder Court (F2-SNYD3204)	21-Jan-22	11:00	12:45	✓	□
Flushing Zone F2	3206 Snyder Court (F2-SNYD3206)	21-Jan-22	11:00	11:57	✓	□
Flushing Zone F2	2563 Stowell Circle (F2-STOW2563)	22-Jan-22	13:00	14:26	✓	□
Flushing Zone F2	2565 Stowell Circle (F2-STOW2565)	22-Jan-22	14:00	16:15	✓	□
Flushing Zone F2	2568 Stowell Circle (F2-STOW2568)	22-Jan-22	12:08	14:10	✓	□
Flushing Zone F2	2570 Stowell Circle (F2-STOW2570)	22-Jan-22	12:29	14:31	✓	□
Flushing Zone F2	2571 Stowell Circle (F2-STOW2571)	23-Jan-22	14:03	15:48	✓	□
Flushing Zone F2	2573 Stowell Circle (F2-STOW2573)	22-Jan-22	11:00	13:29	✓	□
Flushing Zone F2	2579 Stowell Circle (F2-STOW2579)	22-Jan-22	11:00	12:56	✓	□
Flushing Zone F2	2580 Stowell Circle (F2-STOW2580)	22-Jan-22	12:21	14:22	✓	□
Flushing Zone F2	2581 Stowell Circle (F2-STOW2581)	22-Jan-22	11:00	13:48	✓	□
Flushing Zone F2	2582 Stowell Circle (F2-STOW2582)	22-Jan-22	12:22	14:23	✓	□
Flushing Zone F2	2583 Stowell Circle (F2-STOW2583)	23-Jan-22	10:00	11:43	✓	□
Flushing Zone F2	2585 Stowell Circle (F2-STOW2585)	22-Jan-22	12:00	13:49	✓	□
Flushing Zone F2	2591 Stowell Circle (F2-STOW2591)	22-Jan-22	15:00	16:21	✓	□
Flushing Zone F2	2592 Stowell Circle (F2-STOW2592)	22-Jan-22	23:31	14:33	✓	□
Flushing Zone F2	2593 Stowell Circle (F2-STOW2593)	22-Jan-22	12:00	13:52	✓	□
Flushing Zone F2	2594 Stowell Circle (F2-STOW2594)	22-Jan-22	12:50	14:52	✓	□
Flushing Zone F2	2595 Stowell Circle (F2-STOW2595)	22-Jan-22	11:00	13:59	✓	□
Flushing Zone F2	2597 Stowell Circle (F2-STOW2597)	22-Jan-22	11:00	14:00	✓	□
Flushing Zone F2	2599 Stowell Circle (F2-STOW2599)	22-Jan-22	11:00	13:33	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	2601 Stowell Circle (f2-STOW2601)	22-Jan-22	12:00	13:32	✓	□
Flushing Zone F2	2603 Stowell Circle (f2-STOW2603)	22-Jan-22	10:00	12:43	✓	□
Flushing Zone F2	2605 Stowell Circle (f2-STOW2605)	22-Jan-22	12:03	12:03	✓	□
Flushing Zone F2	2606 Stowell Circle (f2-STOW2606)	23-Jan-22	09:38	10:52	✓	□
Flushing Zone F2	2607 Stowell Circle (f2-STOW2607)	22-Jan-22	11:00	13:10	✓	□
Flushing Zone F2	2608 Stowell Circle (f2-STOW2608)	23-Jan-22	09:40	11:30	✓	□
Flushing Zone F2	2609 Stowell Circle (f2-STOW2609)	22-Jan-22	11:00	13:09	✓	□
Flushing Zone F2	2618 Stowell Circle (f2-STOW2618)	22-Jan-22	23:01	14:02	✓	□
Flushing Zone F2	2620 Stowell Circle (f2-STOW2620)	22-Jan-22	23:32	13:34	✓	□
Flushing Zone F2	2632 Stowell Circle (f2-STOW2632)	22-Jan-22	12:22	15:23	✓	□
Flushing Zone F2	2634 Stowell Circle (f2-STOW2634)	22-Jan-22	12:24	14:25	✓	□
Flushing Zone F2	2643 Stowell Circle (f2-STOW2643)	22-Jan-22	09:00	11:21	✓	□
Flushing Zone F2	2645 Stowell Circle (f2-STOW2645)	22-Jan-22	09:00	11:12	✓	□
Flushing Zone F2	2647 Stowell Circle (f2-STOW2647)	22-Jan-22	10:00	12:08	✓	□
Flushing Zone F2	2649 Stowell Circle (f2-STOW2649)	22-Jan-22	10:00	12:10	✓	□
Flushing Zone F2	2652 Stowell Circle (f2-STOW2652)	22-Jan-22	12:46	15:47	✓	□
Flushing Zone F2	2654 Stowell Circle (f2-STOW2654)	22-Jan-22	22:02	12:03	✓	□
Flushing Zone F2	2664 Stowell Circle (f2-STOW2664)	22-Jan-22	07:54	10:04	✓	□
Flushing Zone F2	2666 Stowell Circle (f2-STOW2666)	22-Jan-22	09:36	11:38	✓	□
Flushing Zone F2	2667 Stowell Circle (f2-STOW2667)	22-Jan-22	09:00	10:55	✓	□
Flushing Zone F2	2669 Stowell Circle (f2-STOW2669)	22-Jan-22	09:00	10:57	✓	□
Flushing Zone F2	2671 Stowell Circle (f2-STOW2671)	23-Jan-22	10:12	11:05	✓	□
Flushing Zone F2	2673 Stowell Circle (f2-STOW2673)	22-Jan-22	09:00	11:44	✓	□
Flushing Zone F2	2678 Stowell Circle (f2-STOW2678)	22-Jan-22	08:05	10:06	✓	□
Flushing Zone F2	2680 Stowell Circle (f2-STOW2680)	23-Jan-22	10:11	11:52	✓	□
Flushing Zone F2	2696 Stowell Circle (f2-STOW2696)	22-Jan-22	12:26	14:27	✓	□
Flushing Zone F2	2697 Stowell Circle (f2-STOW2697)	22-Jan-22	09:00	11:20	✓	□
Flushing Zone F2	2698 Stowell Circle (f2-STOW2698)	22-Jan-22	23:27	14:29	✓	□
Flushing Zone F2	2699 Stowell Circle (f2-STOW2699)	22-Jan-22	11:00	12:21	✓	□
Flushing Zone F2	2701 Stowell Circle (f2-STOW2701)	22-Jan-22	08:00	09:36	✓	□
Flushing Zone F2	2703 Stowell Circle (f2-STOW2703)	22-Jan-22	08:00	09:03	✓	□
Flushing Zone F2	2705 Stowell Circle (f2-STOW2705)	22-Jan-22	08:00	10:53	✓	□
Flushing Zone F2	2706 Stowell Circle (f2-STOW2706)	22-Jan-22	07:50	09:34	✓	□
Flushing Zone F2	2707 Stowell Circle (f2-STOW2707)	22-Jan-22	07:30	10:47	✓	□
Flushing Zone F2	2708 Stowell Circle (f2-STOW2708)	22-Jan-22	07:34	09:36	✓	□
Flushing Zone F2	2709 Stowell Circle (f2-STOW2709)	22-Jan-22	08:00	09:04	✓	□
Flushing Zone F2	2711 Stowell Circle (f2-STOW2711)	22-Jan-22	08:00	09:59	✓	□
Flushing Zone F2	2713 Stowell Circle (f2-STOW2713)	22-Jan-22	08:00	09:17	✓	□
Flushing Zone F2	2715 Stowell Circle (f2-STOW2715)	22-Jan-22	08:00	09:10	✓	□
Flushing Zone F2	2731 Stowell Circle (f2-STOW2731)	22-Jan-22	08:00	09:58	✓	□
Flushing Zone F2	2733 Stowell Circle (f2-STOW2733)	22-Jan-22	08:00	11:58	✓	□
Flushing Zone F2	2735 Stowell Circle (f2-STOW2735)	22-Jan-22	09:00	16:03	✓	□
Flushing Zone F2	2737 Stowell Circle (f2-STOW2737)	22-Jan-22	08:00	09:12	✓	□
Flushing Zone F2	2739 Stowell Circle (f2-STOW2739)	22-Jan-22	08:00	09:21	✓	□
Flushing Zone F2	2741 Stowell Circle (f2-STOW2741)	22-Jan-22	08:00	09:09	✓	□
Flushing Zone F2	2758 Stowell Circle (f2-STOW2758)	22-Jan-22	08:07	10:08	✓	□
Flushing Zone F2	2760 Stowell Circle (f2-STOW2760)	22-Jan-22	19:53	14:55	✓	□
Flushing Zone F2	2761 Stowell Circle (f2-STOW2761)	22-Jan-22	08:00	09:06	✓	□
Flushing Zone F2	2763 Stowell Circle (f2-STOW2763)	22-Jan-22	08:00	09:07	✓	□
Flushing Zone F2	2770 Stowell Circle (f2-STOW2770)	22-Jan-22	07:50	09:21	✓	□
Flushing Zone F2	2772 Stowell Circle (f2-STOW2772)	22-Jan-22	07:50	09:23	✓	□
Flushing Zone F2	2776 Stowell Circle (f2-STOW2776)	22-Jan-22	19:29	15:31	✓	□
Flushing Zone F2	2778 Stowell Circle (f2-STOW2778)	22-Jan-22	08:20	10:21	✓	□
Flushing Zone F2	2780 Stowell Circle (f2-STOW2780)	22-Jan-22	08:00	11:00	✓	□
Flushing Zone F2	2782 Stowell Circle (f2-STOW2782)	22-Jan-22	08:57	10:58	✓	□
Flushing Zone F2	2784 Stowell Circle (f2-STOW2784)	22-Jan-22	08:46	10:48	✓	□
Flushing Zone F2	2785 Stowell Circle (f2-STOW2785)	22-Jan-22	08:00	09:47	✓	□
Flushing Zone F2	2786 Stowell Circle (f2-STOW2786)	22-Jan-22	07:59	10:00	✓	□
Flushing Zone F2	2787 Stowell Circle (f2-STOW2787)	23-Jan-22	10:05	11:39	✓	□
Flushing Zone F2	2792 Stowell Circle (f2-STOW2792)	22-Jan-22	08:01	10:02	✓	□
Flushing Zone F2	2794 Stowell Circle (f2-STOW2794)	22-Jan-22	06:39	11:41	✓	□
Flushing Zone F2	807 Talbot Street (f2-TALB0807)	21-Jan-22	10:26	13:09	✓	□
Flushing Zone F2	808 Talbot Street (f2-TALB0808)	21-Jan-22	10:46	13:27	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-08 - 2022-02-01

Flushing Zone F2	810 Talbot Street (F2-TALB0810)	21-Jan-22	16:04	17:45	✓	□
Flushing Zone F2	813 Talbot Street (F2-TALB0813)	21-Jan-22	14:01	15:53	✓	□
Flushing Zone F2	814 Talbot Street (F2-TALB0814)	21-Jan-22	13:03	14:49	✓	□
Flushing Zone F2	822 Talbot Street (F2-TALB0822)	21-Jan-22	13:05	14:42	✓	□
Flushing Zone F2	824 Talbot Street (F2-TALB0824)	21-Jan-22	10:00	11:56	✓	□
Flushing Zone F2	825 Talbot Street (F2-TALB0825)	21-Jan-22	14:48	17:31	✓	□
Flushing Zone F2	830 Talbot Street (F2-TALB0830)	21-Jan-22	10:14	12:00	✓	□
Flushing Zone F2	2805 Tapp Street (F2-TAPP2805)	22-Jan-22	11:20	14:44	✓	□
Flushing Zone F2	2809 Tapp Street (F2-TAPP2809)	22-Jan-22	08:30	11:24	✓	□
Flushing Zone F2	2813 Tapp Street (F2-TAPP2813)	22-Jan-22	11:27	14:43	✓	□
Flushing Zone F2	2819 Tapp Street (F2-TAPP2819)	22-Jan-22	14:02	16:10	✓	□
Flushing Zone F2	2825 Tapp Street (F2-TAPP2825)	22-Jan-22	14:02	15:15	✓	□
Flushing Zone F2	1701 Tiare Court (F2-TIAR1701)	23-Jan-22	09:55	11:05	✓	□
Flushing Zone F2	1703 Tiare Court (F2-TIAR1703)	23-Jan-22	09:37	10:54	✓	□
Flushing Zone F2	1705 Tiare Court (F2-TIAR1705)	23-Jan-22	10:26	11:42	✓	□
Flushing Zone F2	1707 Tiare Court (F2-TIAR1707)	23-Jan-22	10:16	11:42	✓	□
Flushing Zone F2	1711 Tiare Court (F2-TIAR1711)	23-Jan-22	09:24	11:09	✓	□
Flushing Zone F2	1713 Tiare Court (F2-TIAR1713)	23-Jan-22	09:44	11:21	✓	□
Flushing Zone F2	1715 Tiare Court (F2-TIAR1715)	23-Jan-22	11:24	13:30	✓	□
Flushing Zone F2	1717 Tiare Court (F2-TIAR1717)	23-Jan-22	11:18	13:03	✓	□
Flushing Zone F2	1722 Tiare Court (F2-TIAR1722)	23-Jan-22	09:33	10:49	✓	□
Flushing Zone F2	1724 Tiare Court (F2-TIAR1724)	23-Jan-22	09:50	11:29	✓	□
Flushing Zone F2	1730 Tiare Court (F2-TIAR1730)	23-Jan-22	10:50	12:18	✓	□
Flushing Zone F2	1732 Tiare Court (F2-TIAR1732)	23-Jan-22	11:30	12:38	✓	□
Flushing Zone F2	3020 Vaessen Court (F2-VAES3020)	21-Jan-22	09:30	10:32	✓	□
Flushing Zone F2	3022 Vaessen Court (F2-VAES3022)	21-Jan-22	08:13	11:14	✓	□
Flushing Zone F2	3024 Vaessen Court (F2-VAES3024)	21-Jan-22	08:00	11:07	✓	□
Flushing Zone F2	3026 Vaessen Court (F2-VAES3026)	21-Jan-22	22:23	13:25	✓	□
Flushing Zone F2	3028 Vaessen Court (F2-VAES3028)	21-Jan-22	08:22	10:25	✓	□
Flushing Zone F2	3030 Vaessen Court (F2-VAES3030)	21-Jan-22	20:37	12:40	✓	□
Flushing Zone F2	3032 Vaessen Court (F2-VAES3032)	21-Jan-22	08:10	11:12	✓	□
Flushing Zone F2	3034 Vaessen Court (F2-VAES3034)	21-Jan-22	08:05	10:07	✓	□
Flushing Zone F2	3036 Vaessen Court (F2-VAES3036)	21-Jan-22	08:19	11:20	✓	□
Flushing Zone F2	3038 Vaessen Court (F2-VAES3038)	21-Jan-22	08:17	11:18	✓	□
Flushing Zone F2	3040 Vaessen Court (F2-VAES3040)	21-Jan-22	08:00	10:02	✓	□
Flushing Zone F2	3042 Vaessen Court (F2-VAES3042)	21-Jan-22	08:21	11:22	✓	□
Flushing Zone F2	3044 Vaessen Court (F2-VAES3044)	21-Jan-22	09:15	11:16	✓	□
Flushing Zone F2	3046 Vaessen Court (F2-VAES3046)	21-Jan-22	08:02	09:44	✓	□
Flushing Zone F2	3048 Vaessen Court (F2-VAES3048)	21-Jan-22	08:04	09:35	✓	□
Flushing Zone F2	3050 Vaessen Court (F2-VAES3050)	21-Jan-22	09:38	11:10	✓	□
Flushing Zone F2	3052 Vaessen Court (F2-VAES3052)	21-Jan-22	23:25	13:47	✓	□
Flushing Zone F2	3054 Vaessen Court (F2-VAES3054)	21-Jan-22	23:23	13:44	✓	□
Flushing Zone F2	3056 Vaessen Court (F2-VAES3056)	21-Jan-22	13:07	15:09	✓	□
Flushing Zone F2	3058 Vaessen Court (F2-VAES3058)	21-Jan-22	13:05	15:07	✓	□
Flushing Zone F2	3060 Vaessen Court (F2-VAES3060)	21-Jan-22	23:31	14:32	✓	□
Flushing Zone F2	3062 Vaessen Court (F2-VAES3062)	21-Jan-22	23:33	14:33	✓	□
Flushing Zone F2	3064 Vaessen Court (F2-VAES3064)	21-Jan-22	13:09	15:44	✓	□
Flushing Zone F2	3066 Vaessen Court (F2-VAES3066)	21-Jan-22	23:00	15:33	✓	□
Flushing Zone F2	3068 Vaessen Court (F2-VAES3068)	21-Jan-22	23:30	14:08	✓	□
Flushing Zone F2	3070 Vaessen Court (F2-VAES3070)	21-Jan-22	23:26	13:28	✓	□
Flushing Zone F2	3072 Vaessen Court (F2-VAES3072)	21-Jan-22	23:05	12:45	✓	□
Flushing Zone F2	3074 Vaessen Court (F2-VAES3074)	21-Jan-22	12:28	14:30	✓	□
Flushing Zone F2	3076 Vaessen Court (F2-VAES3076)	21-Jan-22	12:43	15:15	✓	□
Flushing Zone F2	3078 Vaessen Court (F2-VAES3078)	21-Jan-22	12:09	15:13	✓	□
Flushing Zone F2	3080 Vaessen Court (F2-VAES3080)	21-Jan-22	13:15	15:17	✓	□
Flushing Zone F2	3082 Vaessen Court (F2-VAES3082)	21-Jan-22	13:18	15:20	✓	□

Key
Not Started
No Access
In Progress
Complete

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2

2022-01-11 - 2022-02-03

Total Facilities	Total	Percent Complete	No	Flushed on Selected Dates
59	59	100.0 %	0	59

Zone	Address	Arrive Date	Start Time	Finish Time	Certified	Summary General Notes	Unable To Access	Access Reason
Flushing Zone F2	Building 1923,CHILD DEVELOPMENT	21-Jan-22	17:00	13:53	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 1924,DRILL HALL (F2-BLDG1924)	21-Jan-22	17:00	13:54	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 1925,MWR CHILD	21-Jan-22	17:00	13:55	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 1928,CHILD DEVELOPMT	21-Jan-22	17:00	13:57	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2182,GENERATOR BUILDING	23-Jan-22	11:00	10:56	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2290,CDC PRE-TODDLER &	21-Jan-22	17:00	13:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2291,CDC PRESCHOOL &	21-Jan-22	17:00	14:01	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2292,CDC INFANT SHADE	21-Jan-22	17:00	14:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2293,CDC PRE-TODDLER SHADE	21-Jan-22	17:00	14:03	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2295,CDC TODDLER SHADES	21-Jan-22	17:00	14:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2297,CDC PRESCHOOL SHADE	21-Jan-22	17:00	14:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2298,CDC PAVILION (PELTIER)	21-Jan-22	17:00	14:05	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 2651,PESTICIDE STRG FAC-	24-Jan-22	10:00	15:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 3349,LEARNING SERVICE	28-Jan-22	10:00	10:17	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 4655,CATLIN SCHOOL AGE	21-Jan-22	10:00	14:08	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 603, POOL BATH HOUSE POOL	24-Jan-22	10:00	10:19	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 606-POO,COMMUNITY	24-Jan-22	10:00	10:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 6890,NEX MINI-MART HALSEY	21-Jan-22	21:00	14:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 7751, Radford Terrace Country	21-Jan-22	11:00	10:03	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 7753,RECREATION BUILDING	21-Jan-22	11:00	10:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building 893,GOLF COURSE MAINT	21-Jan-22	11:00	14:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-2940-AND,DETACHED	24-Jan-22	11:00	14:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-2944-AND,DETACHED	03-Feb-22	10:00	13:59	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-2948-AND,DETACHED	03-Feb-22	09:00	13:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-2954-AND,DETACHED	03-Feb-22	09:00	13:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-2968-AND,DETACHED	03-Feb-22	09:00	13:59	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-3046-AND,DETACHED	03-Feb-22	10:00	14:00	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-3062-AND,DETACHED	24-Jan-22	10:00	14:07	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7628,DETACHED GARAGE	03-Feb-22	10:00	14:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7629,DETACHED GARAGE	24-Jan-22	09:00	14:06	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7630,DETACHED GARAGE	24-Jan-22	09:00	14:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7634,DETACHED GARAGE	24-Jan-22	10:00	14:14	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7664,DETACHED GARAGE	24-Jan-22	10:00	14:14	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7665,DETACHED GARAGE	24-Jan-22	10:00	14:15	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7675,DETACHED GARAGE	24-Jan-22	10:00	14:16	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7676,DETACHED GARAGE	24-Jan-22	11:00	14:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7677,DETACHED GARAGE	24-Jan-22	11:00	14:19	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7678,DETACHED GARAGE	24-Jan-22	13:00	14:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7679,DETACHED GARAGE	24-Jan-22	13:00	14:21	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7692,DETACHED GARAGE	24-Jan-22	13:00	14:22	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7724,DETACHED GARAGE	24-Jan-22	13:00	14:24	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7725,D5,DETACHED GARAGE	24-Jan-22	13:00	14:25	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7730,DETACHED GARAGE	24-Jan-22	08:00	14:07	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7731,DETACHED GARAGE (24-Jan-22	08:00	14:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7742,DETACHED GARAGE	24-Jan-22	08:00	14:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-7743,DETACHED GARAGE	24-Jan-22	08:00	14:01	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9002,DETACHED GARAGE	31-Jan-22	08:00	14:00	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9017,DETACHED GARAGE	24-Jan-22	08:00	13:59	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9019,DETACHED GARAGE	24-Jan-22	08:00	13:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9020,DETACHED GARAGE	24-Jan-22	08:00	13:55	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9021,DETACHED GARAGE	24-Jan-22	08:00	13:53	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9022,DETACHED GARAGE	24-Jan-22	08:00	13:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9023,DETACHED GARAGE	24-Jan-22	08:00	13:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9024,DETACHED GARAGE	24-Jan-22	08:00	13:44	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9025,DETACHED GARAGE	24-Jan-22	00:00	13:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9026,DETACHED GARAGE	24-Jan-22	08:00	13:41	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9098,DETACHED GARAGE	03-Feb-22	08:00	13:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone F2	Building G-9104,DETACHED GARAGE	24-Jan-22	00:00	13:38	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone F2
2022-01-11 - 2022-02-03

Flushing Zone F2 Building NM-M-1/N/MAR GOLF

11-Jan-22





12:00

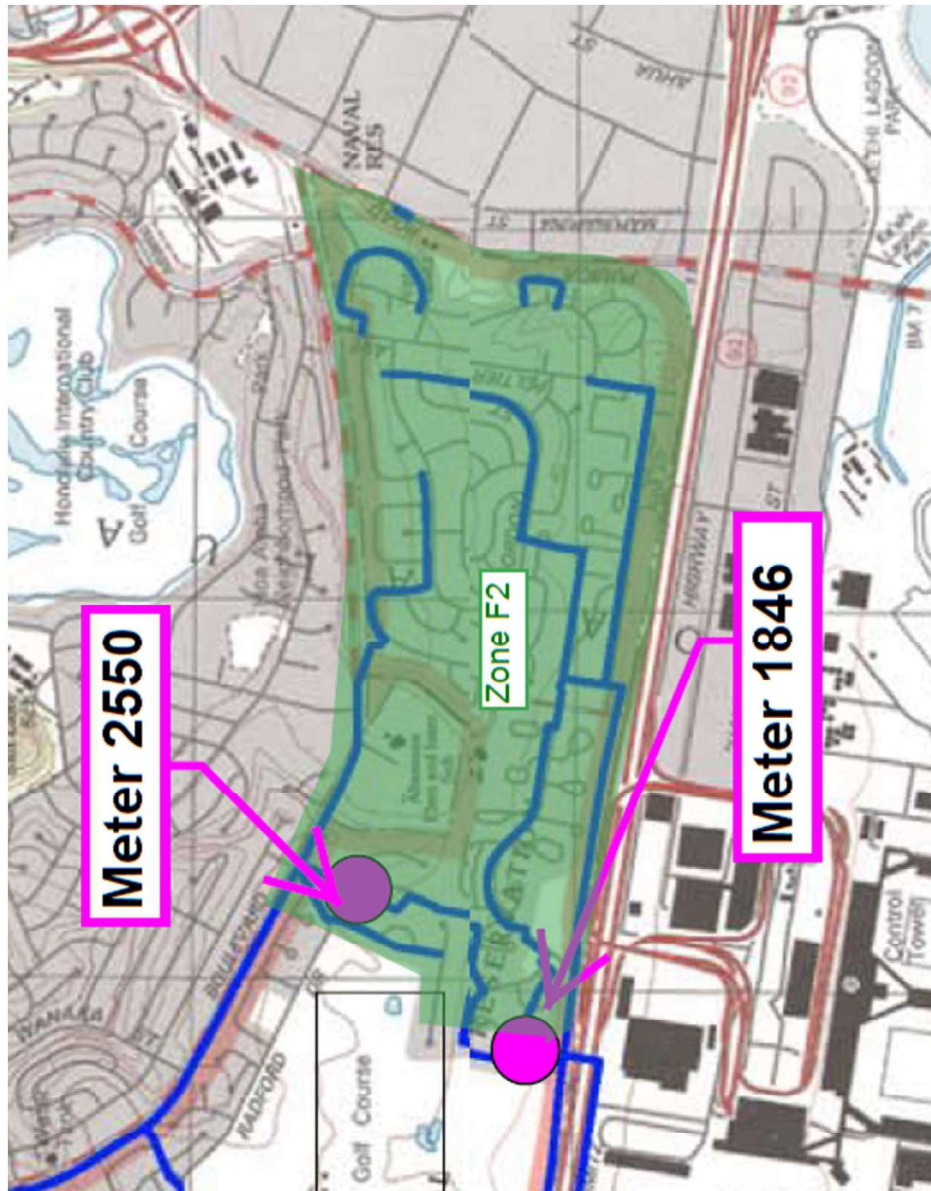
13:47

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Key

	Not Started
	No Access
	In Progress
	Complete



Date	Time	Date/Time	4787	4127	4710	5004	5002	9050	7158	6780	2550	1846	1485
8-Jan-22	0:00:00	08-Jan-2200:00	69.2	34.5	79.0	75.0	75.0	71.2	74.0	65.0	37.0	63.0	65.0
8-Jan-22	0:30:00	08-Jan-2200:00	69.2	34.5	79.0	76.0	75.3	71.3	74.0	65.5	37.0	63.0	65.5
8-Jan-22	1:00:00	08-Jan-2201:00	69.2	34.5	79.2	76.5	76.0	72.0	74.0	66.0	37.0	63.4	66.0
8-Jan-22	1:30:00	08-Jan-2201:00	61.9	34.5	77.6	70.5	65.6	70.5	72.2	64.5	36.6	62.3	65.1
8-Jan-22	2:00:00	08-Jan-2202:00	62.1	34.5	73.0	70.0	70.0	70.0	71.0	63.4	36.0	62.0	64.0
8-Jan-22	2:30:00	08-Jan-2202:00	62.1	34.5	73.0	70.0	70.0	70.0	71.0	63.0	36.0	62.0	64.0
8-Jan-22	3:00:00	08-Jan-2203:00	62.1	33.9	73.0	70.0	70.0	70.0	71.0	63.3	35.5	61.0	63.5
8-Jan-22	3:30:00	08-Jan-2203:00	62.1	32.7	73.0	70.0	69.7	69.2	71.0	63.0	35.0	61.0	63.0
8-Jan-22	4:00:00	08-Jan-2204:00	62.1	32.4	73.0	69.4	69.7	69.0	70.2	63.0	35.0	61.0	63.0
8-Jan-22	4:30:00	08-Jan-2204:00	60.5	33.8	72.5	69.2	70.0	69.0	70.0	63.0	35.0	61.0	63.0
8-Jan-22	5:00:00	08-Jan-2205:00	60.1	36.3	72.0	69.0	69.7	68.1	70.0	62.2	35.0	60.1	63.0
8-Jan-22	5:30:00	08-Jan-2205:00	60.1	36.4	72.0	69.0	69.2	68.5	70.0	62.0	34.5	60.0	62.1
8-Jan-22	6:00:00	08-Jan-2206:00	60.1	36.7	71.7	68.4	69.0	68.3	70.0	62.0	34.0	60.0	62.0
8-Jan-22	6:30:00	08-Jan-2206:00	60.1	37.4	71.0	68.8	69.0	68.0	69.5	61.7	34.0	60.0	62.0
8-Jan-22	7:00:00	08-Jan-2207:00	60.1	36.4	71.0	68.0	68.4	68.0	69.0	62.0	34.0	60.0	62.0
8-Jan-22	7:30:00	08-Jan-2207:00	60.1	35.5	71.0	68.0	68.0	67.6	69.0	61.1	33.5	59.0	61.7
8-Jan-22	8:00:00	08-Jan-2208:00	60.1	34.3	70.4	67.1	68.0	67.0	68.9	61.0	33.0	59.0	61.0
8-Jan-22	8:30:00	08-Jan-2208:00	58.8	34.2	70.0	66.9	67.1	66.6	68.0	60.4	33.0	58.6	60.5
8-Jan-22	9:00:00	08-Jan-2209:00	58.1	34.5	69.1	66.0	66.9	66.3	68.0	60.0	32.1	58.0	60.0
8-Jan-22	9:30:00	08-Jan-2209:00	59.8	34.5	69.6	66.7	68.1	66.2	68.0	60.0	32.0	58.0	60.0
8-Jan-22	10:00:00	08-Jan-2210:00	67.1	34.1	69.0	71.9	74.8	68.0	70.5	61.8	33.7	60.0	61.8
8-Jan-22	10:30:00	08-Jan-2210:00	67.1	32.5	76.0	73.6	73.7	68.9	71.0	62.4	34.0	60.0	62.0
8-Jan-22	11:00:00	08-Jan-2211:00	67.1	32.5	76.6	73.3	73.5	69.0	71.0	62.7	34.0	60.0	62.3
8-Jan-22	11:30:00	08-Jan-2211:00	67.1	33.2	76.6	73.9	73.9	69.0	71.0	62.7	34.1	60.2	62.7
8-Jan-22	12:00:00	08-Jan-2212:00	67.1	35.5	77.0	74.0	74.0	69.0	72.0	63.0	35.0	61.0	63.0
8-Jan-22	12:30:00	08-Jan-2212:00	67.1	35.9	77.0	74.0	74.5	69.3	72.0	63.0	35.0	61.0	63.0
8-Jan-22	13:00:00	08-Jan-2213:00	68.1	35.3	77.0	74.9	74.4	69.6	72.0	63.6	35.0	61.0	63.7
8-Jan-22	13:30:00	08-Jan-2213:00	69.0	34.9	78.0	75.0	75.0	70.0	72.5	63.9	35.0	61.0	64.0
8-Jan-22	14:00:00	08-Jan-2214:00	69.0	36.4	78.0	75.0	75.0	70.0	72.7	64.0	35.4	61.8	64.0
8-Jan-22	14:30:00	08-Jan-2214:00	69.0	36.4	78.0	74.7	75.0	70.1	73.0	64.0	36.0	62.0	64.0
8-Jan-22	15:00:00	08-Jan-2215:00	69.0	36.4	78.0	75.6	75.9	70.7	73.0	64.1	36.0	62.0	64.0
8-Jan-22	15:30:00	08-Jan-2215:00	69.0	36.2	78.0	75.1	75.7	71.0	73.0	65.0	36.0	62.0	64.0
8-Jan-22	16:00:00	08-Jan-2216:00	69.0	34.9	78.8	75.7	76.0	71.0	73.0	65.0	36.0	62.0	64.4
8-Jan-22	16:30:00	08-Jan-2216:00	69.0	34.5	79.0	76.0	76.0	71.0	73.3	65.0	36.0	62.0	65.0
8-Jan-22	17:00:00	08-Jan-2217:00	69.0	34.5	79.0	75.2	75.4	71.0	73.0	65.0	36.0	62.0	65.0
8-Jan-22	17:30:00	08-Jan-2217:00	69.0	34.5	79.0	75.4	76.0	71.0	74.0	65.0	36.7	62.6	65.0

8-Jan-22	18:00:00	08-Jan-2218:00	69.0	34.5	79.0	76.0	76.3	71.0	74.0	65.0	37.0	63.0	65.0
8-Jan-22	18:30:00	08-Jan-2218:00	69.0	34.5	79.0	76.0	76.3	71.3	74.0	65.0	36.7	63.0	65.0
8-Jan-22	19:00:00	08-Jan-2219:00	69.0	34.5	79.0	76.0	76.0	71.3	74.0	65.0	37.0	63.0	65.0
8-Jan-22	19:30:00	08-Jan-2219:00	69.0	34.5	79.0	76.0	76.0	71.0	74.0	65.0	37.0	63.0	65.0
8-Jan-22	20:00:00	08-Jan-2220:00	69.0	33.9	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.2
8-Jan-22	20:30:00	08-Jan-2220:00	60.9	33.5	73.9	70.7	71.1	69.6	72.2	63.7	35.0	61.5	62.7
8-Jan-22	21:00:00	08-Jan-2221:00	60.8	33.5	72.4	69.0	69.9	69.0	71.0	63.0	35.0	61.0	63.0
8-Jan-22	21:30:00	08-Jan-2221:00	60.8	33.5	72.5	69.0	69.0	69.0	70.8	63.0	35.0	61.0	63.0
8-Jan-22	22:00:00	08-Jan-2222:00	60.8	33.4	72.0	69.0	69.0	69.0	70.0	62.9	35.0	60.8	63.0
8-Jan-22	22:30:00	08-Jan-2222:00	60.8	32.5	72.0	68.7	69.0	68.3	70.0	62.0	35.0	60.3	62.8
8-Jan-22	23:00:00	08-Jan-2223:00	60.8	32.5	72.0	68.4	68.7	68.0	70.0	62.0	34.1	60.0	62.0
8-Jan-22	23:30:00	08-Jan-2223:00	60.8	32.5	71.6	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
9-Jan-22	0:00:00	09-Jan-2200:00	60.8	32.5	71.0	68.0	68.0	68.0	69.4	61.7	34.0	59.4	61.7
9-Jan-22	0:30:00	09-Jan-2200:00	60.8	33.1	71.0	68.0	68.1	68.0	69.0	62.0	34.0	60.0	62.0
9-Jan-22	1:00:00	09-Jan-2201:00	60.8	33.5	71.0	68.0	68.2	68.0	69.0	61.7	34.0	60.0	62.0
9-Jan-22	1:30:00	09-Jan-2201:00	60.8	33.9	71.0	67.9	68.0	68.0	69.0	61.3	34.0	59.7	62.0
9-Jan-22	2:00:00	09-Jan-2202:00	60.8	34.5	71.0	67.5	68.0	68.0	69.0	61.0	34.0	59.3	61.4
9-Jan-22	2:30:00	09-Jan-2202:00	58.8	34.5	71.0	68.0	68.0	67.4	69.0	61.0	33.4	59.0	61.0
9-Jan-22	3:00:00	09-Jan-2203:00	58.8	34.5	71.0	68.0	68.0	67.3	69.0	61.0	33.2	59.0	61.0
9-Jan-22	3:30:00	09-Jan-2203:00	58.8	34.5	70.4	67.4	68.0	67.0	68.7	61.0	33.0	59.0	61.0
9-Jan-22	4:00:00	09-Jan-2204:00	58.8	34.5	70.0	67.0	67.4	67.0	68.5	61.0	33.0	59.0	61.0
9-Jan-22	4:30:00	09-Jan-2204:00	64.8	34.5	72.4	74.6	72.4	69.5	69.4	62.0	33.7	60.0	61.9
9-Jan-22	5:00:00	09-Jan-2205:00	68.1	34.5	78.0	75.0	75.6	69.7	72.0	63.1	35.0	61.0	63.5
9-Jan-22	5:30:00	09-Jan-2205:00	68.1	34.5	78.0	75.0	75.6	70.0	72.3	64.0	35.0	61.0	63.7
9-Jan-22	6:00:00	09-Jan-2206:00	68.1	35.7	78.1	75.4	76.0	70.1	72.8	64.0	35.2	61.9	64.0
9-Jan-22	6:30:00	09-Jan-2206:00	68.1	35.9	78.2	75.4	76.0	70.8	72.7	64.0	35.7	61.5	64.0
9-Jan-22	7:00:00	09-Jan-2207:00	68.1	34.6	78.0	75.0	75.6	70.0	72.7	64.0	36.0	61.9	64.0
9-Jan-22	7:30:00	09-Jan-2207:00	68.1	35.7	78.0	75.0	75.3	70.0	72.7	64.0	36.0	61.5	64.0
9-Jan-22	8:00:00	09-Jan-2208:00	68.1	36.4	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.3	64.0
9-Jan-22	8:30:00	09-Jan-2208:00	68.1	35.5	78.0	75.0	75.0	70.0	72.7	64.0	36.0	61.6	64.0
9-Jan-22	9:00:00	09-Jan-2209:00	68.1	35.5	78.0	75.0	75.1	70.0	73.0	64.0	36.0	61.9	64.0
9-Jan-22	9:30:00	09-Jan-2209:00	68.8	35.5	78.8	75.3	75.5	70.5	73.0	64.6	36.0	61.7	64.0
9-Jan-22	10:00:00	09-Jan-2210:00	70.1	35.5	79.0	75.3	75.0	70.7	73.0	64.5	36.0	62.0	64.0
9-Jan-22	10:30:00	09-Jan-2210:00	70.1	35.5	78.2	75.0	75.0	70.0	73.0	64.0	36.0	62.0	64.0
9-Jan-22	11:00:00	09-Jan-2211:00	70.1	35.5	78.0	75.0	75.0	70.3	73.0	64.5	36.0	62.0	64.3
9-Jan-22	11:30:00	09-Jan-2211:00	70.1	35.5	79.0	75.3	75.0	71.0	73.0	64.7	36.0	62.0	64.3
9-Jan-22	12:00:00	09-Jan-2212:00	70.1	35.5	79.0	75.6	75.3	71.0	73.0	64.7	36.3	62.5	65.0
9-Jan-22	12:30:00	09-Jan-2212:00	70.1	34.9	79.0	75.7	76.0	71.0	74.0	64.4	36.5	62.7	65.0

9-Jan-22	13:00:00	09-Jan-2213:00	70.1	32.5	79.0	76.0	76.0	71.0	74.0	65.0	36.7	63.0	65.0
9-Jan-22	13:30:00	09-Jan-2213:00	70.1	32.5	79.0	76.0	76.0	71.0	74.0	65.0	37.0	63.0	65.0
9-Jan-22	14:00:00	09-Jan-2214:00	70.1	33.3	79.0	76.0	76.0	71.0	74.0	65.0	37.0	63.0	65.0
9-Jan-22	14:30:00	09-Jan-2214:00	62.6	33.5	76.4	71.3	71.8	69.7	71.7	64.0	36.1	61.8	62.6
9-Jan-22	15:00:00	09-Jan-2215:00	61.4	33.6	72.0	69.0	69.0	68.7	70.0	62.4	35.0	60.4	63.0
9-Jan-22	15:30:00	09-Jan-2215:00	61.4	34.8	72.0	69.0	68.7	68.1	70.0	62.0	34.0	60.2	62.9
9-Jan-22	16:00:00	09-Jan-2216:00	59.8	35.5	71.6	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
9-Jan-22	16:30:00	09-Jan-2216:00	59.4	35.5	71.0	68.0	68.0	68.0	69.7	61.9	34.0	59.5	62.0
9-Jan-22	17:00:00	09-Jan-2217:00	59.4	35.5	71.0	68.0	68.0	67.6	69.0	61.3	33.5	59.0	61.2
9-Jan-22	17:30:00	09-Jan-2217:00	64.4	35.5	75.6	73.8	69.3	69.7	69.8	61.8	33.6	59.9	62.0
9-Jan-22	18:00:00	09-Jan-2218:00	68.1	34.8	78.2	74.2	74.3	70.0	72.0	63.7	35.0	61.0	63.9
9-Jan-22	18:30:00	09-Jan-2218:00	68.1	34.5	78.0	74.3	74.2	70.0	72.3	63.7	35.0	61.3	63.9
9-Jan-22	19:00:00	09-Jan-2219:00	68.1	33.0	77.7	74.0	74.4	70.0	72.3	63.6	35.0	61.6	63.9
9-Jan-22	19:30:00	09-Jan-2219:00	68.1	33.1	77.4	74.4	74.1	70.0	72.0	63.3	35.0	61.0	63.8
9-Jan-22	20:00:00	09-Jan-2220:00	68.1	33.5	78.0	74.8	75.0	70.0	72.6	63.9	35.9	61.7	64.0
9-Jan-22	20:30:00	09-Jan-2220:00	68.1	33.5	78.0	74.4	74.7	70.0	73.0	64.0	36.0	61.7	64.0
9-Jan-22	21:00:00	09-Jan-2221:00	68.1	33.5	78.2	75.2	75.2	70.5	73.0	64.0	36.0	62.0	64.0
9-Jan-22	21:30:00	09-Jan-2221:00	68.1	33.5	79.0	76.0	76.0	71.0	73.0	64.8	36.0	62.0	64.7
9-Jan-22	22:00:00	09-Jan-2222:00	69.5	33.5	79.0	76.0	76.0	71.0	73.0	65.0	36.0	62.4	65.0
9-Jan-22	22:30:00	09-Jan-2222:00	70.1	33.5	79.0	76.0	76.0	71.0	73.4	65.0	36.7	62.7	65.0
9-Jan-22	23:00:00	09-Jan-2223:00	70.1	33.5	79.0	76.0	76.0	71.1	74.0	65.0	37.0	63.0	65.0
9-Jan-22	23:30:00	09-Jan-2223:00	70.1	33.6	79.8	76.5	76.2	72.0	74.0	65.0	37.0	63.0	65.0
10-Jan-22	0:00:00	10-Jan-2200:00	70.1	34.5	79.0	76.0	76.3	71.4	74.0	65.0	37.0	63.0	65.0
10-Jan-22	0:30:00	10-Jan-2200:00	70.1	34.3	79.8	76.8	76.8	72.0	74.3	65.6	37.0	63.1	65.3
10-Jan-22	1:00:00	10-Jan-2201:00	70.1	32.5	80.0	76.7	77.0	72.0	74.0	66.0	37.3	63.2	66.0
10-Jan-22	1:30:00	10-Jan-2201:00	70.1	32.8	80.0	77.0	77.6	72.7	74.8	66.0	37.8	63.6	66.0
10-Jan-22	2:00:00	10-Jan-2202:00	62.6	34.5	76.0	71.2	71.9	70.5	70.6	64.6	36.4	62.5	64.7
10-Jan-22	2:30:00	10-Jan-2202:00	62.5	34.9	73.0	70.6	70.7	70.0	71.5	64.0	36.0	62.0	64.0
10-Jan-22	3:00:00	10-Jan-2203:00	62.5	35.5	73.0	70.0	70.2	70.0	71.0	63.9	36.0	61.5	63.7
10-Jan-22	3:30:00	10-Jan-2203:00	62.5	35.4	73.0	69.9	70.3	69.7	71.0	63.0	35.7	61.0	63.5
10-Jan-22	4:00:00	10-Jan-2204:00	60.9	34.5	73.0	69.0	70.0	69.2	70.4	63.0	35.1	61.0	63.0
10-Jan-22	4:30:00	10-Jan-2204:00	60.5	34.5	73.0	69.0	70.0	69.0	70.0	63.0	35.0	61.0	63.0
10-Jan-22	5:00:00	10-Jan-2205:00	60.5	34.5	72.2	69.0	69.5	69.0	70.0	62.1	34.8	60.7	62.7
10-Jan-22	5:30:00	10-Jan-2205:00	60.5	35.4	72.0	69.0	69.0	68.2	70.0	62.0	34.3	60.2	62.0
10-Jan-22	6:00:00	10-Jan-2206:00	60.5	35.5	71.0	68.0	68.6	68.0	69.8	62.0	34.0	59.9	62.0
10-Jan-22	6:30:00	10-Jan-2206:00	60.5	35.1	71.0	68.0	68.0	67.8	69.0	61.0	33.7	59.0	61.6
10-Jan-22	7:00:00	10-Jan-2207:00	58.6	35.2	71.0	67.4	68.0	67.0	69.0	61.0	33.3	59.0	61.0
10-Jan-22	7:30:00	10-Jan-2207:00	58.4	35.5	71.0	67.5	68.0	67.3	69.0	60.9	33.0	59.0	60.9

10-Jan-22	8:00:00	10-Jan-2208:00	66.1	33.9	71.4	71.2	72.0	68.3	70.6	61.2	33.9	59.5	62.6
10-Jan-22	8:30:00	10-Jan-2208:00	67.6	33.0	77.0	74.0	74.0	69.0	71.1	62.7	34.7	61.0	63.0
10-Jan-22	9:00:00	10-Jan-2209:00	67.6	34.3	77.0	74.0	74.2	69.3	72.0	63.0	35.0	60.8	63.0
10-Jan-22	9:30:00	10-Jan-2209:00	67.6	35.3	77.3	74.0	74.0	69.7	72.0	63.0	35.0	61.0	63.0
10-Jan-22	10:00:00	10-Jan-2210:00	67.6	36.9	77.3	74.0	74.0	69.4	72.0	63.0	35.0	61.0	63.3
10-Jan-22	10:30:00	10-Jan-2210:00	67.6	35.5	78.0	74.0	74.0	69.6	72.0	63.0	35.0	61.3	63.6
10-Jan-22	11:00:00	10-Jan-2211:00	68.1	34.9	78.0	74.3	74.3	69.8	72.3	63.4	35.0	61.3	63.9
10-Jan-22	11:30:00	10-Jan-2211:00	69.7	32.5	78.0	74.4	74.4	70.0	72.7	64.0	35.7	61.9	64.0
10-Jan-22	12:00:00	10-Jan-2212:00	69.7	32.5	78.0	75.0	75.0	70.2	73.0	64.0	36.0	61.7	64.0
10-Jan-22	12:30:00	10-Jan-2212:00	69.7	32.7	78.3	75.0	75.0	70.1	73.0	64.0	36.0	62.0	64.0
10-Jan-22	13:00:00	10-Jan-2213:00	69.7	35.0	79.0	75.0	75.3	70.4	73.0	64.6	36.0	62.0	64.3
10-Jan-22	13:30:00	10-Jan-2213:00	69.7	35.5	78.4	75.0	75.3	71.0	73.0	64.1	36.0	62.0	64.6
10-Jan-22	14:00:00	10-Jan-2214:00	69.7	34.7	78.0	75.0	75.0	71.0	73.0	64.7	36.3	62.3	64.8
10-Jan-22	14:30:00	10-Jan-2214:00	69.7	34.5	78.0	75.0	75.3	70.9	73.0	64.7	36.3	62.1	64.7
10-Jan-22	15:00:00	10-Jan-2215:00	69.7	34.5	78.0	75.3	75.2	71.1	73.0	64.9	36.3	62.5	64.6
10-Jan-22	15:30:00	10-Jan-2215:00	69.7	35.1	78.6	75.6	75.6	71.0	74.0	64.8	37.0	62.9	64.8
10-Jan-22	16:00:00	10-Jan-2216:00	69.7	35.5	79.0	75.0	74.9	71.0	74.0	65.0	37.0	62.7	65.0
10-Jan-22	16:30:00	10-Jan-2216:00	69.7	35.5	79.0	75.8	75.4	71.3	74.0	65.0	37.0	63.0	65.0
10-Jan-22	17:00:00	10-Jan-2217:00	69.7	35.5	79.0	75.1	75.0	71.0	74.0	65.0	37.0	63.0	65.0
10-Jan-22	17:30:00	10-Jan-2217:00	69.7	35.5	79.0	75.0	74.7	71.1	74.0	65.0	37.0	63.0	65.0
10-Jan-22	18:00:00	10-Jan-2218:00	67.8	35.5	78.9	74.4	73.4	71.4	73.8	65.0	36.9	63.0	64.5
10-Jan-22	18:30:00	10-Jan-2218:00	61.1	34.8	72.0	68.0	67.6	69.0	70.8	63.0	35.2	61.1	62.7
10-Jan-22	19:00:00	10-Jan-2219:00	59.1	31.8	71.4	67.1	66.1	68.2	70.0	62.0	34.4	60.2	62.0
10-Jan-22	19:30:00	10-Jan-2219:00	59.1	32.3	71.0	67.0	66.0	67.7	69.5	61.7	34.0	59.7	62.0
10-Jan-22	20:00:00	10-Jan-2220:00	59.1	34.5	70.5	66.2	65.2	67.2	69.0	61.3	34.0	59.2	61.6
10-Jan-22	20:30:00	10-Jan-2220:00	59.1	34.5	70.0	66.0	65.0	67.0	69.0	61.0	33.0	59.0	61.0
10-Jan-22	21:00:00	10-Jan-2221:00	62.6	34.5	70.0	67.5	66.4	67.0	70.7	61.1	33.0	59.3	61.1
10-Jan-22	21:30:00	10-Jan-2221:00	68.6	34.5	72.4	72.4	71.0	69.4	72.0	63.5	34.4	61.0	63.4
10-Jan-22	22:00:00	10-Jan-2222:00	68.6	32.3	77.0	72.7	70.7	70.0	72.0	64.0	35.0	61.4	64.0
10-Jan-22	22:30:00	10-Jan-2222:00	68.6	31.6	77.0	73.0	71.9	70.0	72.0	64.0	35.9	62.0	64.0
10-Jan-22	23:00:00	10-Jan-2223:00	68.6	31.8	77.0	73.0	71.0	70.0	72.0	64.0	36.0	62.0	64.0
10-Jan-22	23:30:00	10-Jan-2223:00	68.6	33.4	77.3	73.3	72.1	70.8	72.9	64.0	36.0	62.0	64.0
11-Jan-22	0:00:00	11-Jan-2200:00	68.6	33.6	77.9	73.0	71.6	70.4	73.0	64.0	36.0	62.0	64.0
11-Jan-22	0:30:00	11-Jan-2200:00	68.6	34.5	77.6	73.0	71.0	71.0	73.0	64.7	36.0	62.0	64.4
11-Jan-22	1:00:00	11-Jan-2201:00	68.6	34.5	78.0	73.4	71.0	71.0	73.0	65.0	36.2	62.6	65.0
11-Jan-22	1:30:00	11-Jan-2201:00	68.6	35.2	78.0	74.0	71.5	71.0	73.3	65.0	36.7	63.0	65.0
11-Jan-22	2:00:00	11-Jan-2202:00	68.6	35.5	78.0	74.0	72.0	71.7	74.0	65.0	37.0	63.0	65.0
11-Jan-22	2:30:00	11-Jan-2202:00	68.6	35.5	78.0	74.2	72.8	72.0	74.0	65.4	37.0	63.0	65.3

11-Jan-22	3:00:00	11-Jan-2203:00	68.6	35.3	78.9	74.7	73.7	72.0	74.0	66.0	37.0	63.0	66.0
11-Jan-22	3:30:00	11-Jan-2203:00	70.0	34.5	79.0	75.3	74.0	72.0	74.0	66.0	37.9	64.0	66.0
11-Jan-22	4:00:00	11-Jan-2204:00	63.0	34.5	79.0	71.2	69.8	70.5	72.2	64.3	36.3	62.6	64.1
11-Jan-22	4:30:00	11-Jan-2204:00	61.9	35.2	75.8	68.3	67.0	69.3	70.8	63.0	35.5	61.0	63.0
11-Jan-22	5:00:00	11-Jan-2205:00	59.9	35.5	72.0	67.7	67.0	68.7	70.0	62.6	35.0	60.7	62.7
11-Jan-22	5:30:00	11-Jan-2205:00	59.9	35.5	71.0	68.0	67.0	68.0	70.0	62.0	34.2	60.3	62.2
11-Jan-22	6:00:00	11-Jan-2206:00	59.9	35.5	71.0	67.2	66.7	68.0	69.1	61.9	34.0	60.0	62.0
11-Jan-22	6:30:00	11-Jan-2206:00	59.9	35.5	71.0	66.7	66.0	67.6	69.0	61.0	34.0	59.4	61.2
11-Jan-22	7:00:00	11-Jan-2207:00	57.9	35.5	69.3	66.1	65.7	66.2	68.1	60.3	32.4	57.4	60.2
11-Jan-22	7:30:00	11-Jan-2207:00	57.7	35.5	69.0	65.7	65.4	65.7	67.5	59.7	31.8	57.0	59.6
11-Jan-22	8:00:00	11-Jan-2208:00	59.4	34.7	69.0	65.1	65.1	64.9	67.2	59.1	31.2	56.5	59.2
11-Jan-22	8:30:00	11-Jan-2208:00	66.2	34.4	75.9	69.9	72.3	67.8	70.8	62.2	33.2	58.7	61.8
11-Jan-22	9:00:00	11-Jan-2209:00	66.2	33.5	76.0	72.7	73.0	68.3	70.9	62.0	33.6	59.0	62.0
11-Jan-22	9:30:00	11-Jan-2209:00	66.2	33.5	76.0	73.0	72.8	68.0	71.0	62.0	34.0	59.3	62.0
11-Jan-22	10:00:00	11-Jan-2210:00	67.0	33.5	76.5	73.0	73.4	68.0	71.0	62.0	33.7	59.0	62.0
11-Jan-22	10:30:00	11-Jan-2210:00	68.2	34.0	77.0	73.1	73.6	68.0	71.0	62.0	34.0	59.0	62.0
11-Jan-22	11:00:00	11-Jan-2211:00	68.2	33.1	76.8	73.5	73.8	68.0	71.0	62.3	34.0	59.4	62.0
11-Jan-22	11:30:00	11-Jan-2211:00	68.2	32.5	76.6	73.0	73.4	68.6	71.9	62.8	34.0	60.0	62.0
11-Jan-22	12:00:00	11-Jan-2212:00	68.2	32.6	77.0	74.0	73.5	69.0	71.6	62.4	34.0	60.0	62.0
11-Jan-22	12:30:00	11-Jan-2212:00	68.2	34.6	77.0	73.7	73.7	68.7	71.4	62.8	34.0	60.0	62.7
11-Jan-22	13:00:00	11-Jan-2213:00	68.2	35.5	77.0	74.0	74.0	69.0	72.0	63.0	34.0	60.0	63.0
11-Jan-22	13:30:00	11-Jan-2213:00	68.2	35.5	77.0	74.0	74.0	69.0	71.7	63.0	34.0	60.0	62.9
11-Jan-22	14:00:00	11-Jan-2214:00	68.2	34.8	77.0	74.0	74.0	69.0	72.0	63.0	34.0	60.0	62.8
11-Jan-22	14:30:00	11-Jan-2214:00	68.2	33.7	77.0	74.0	73.7	69.0	72.0	63.0	34.0	60.0	63.0
11-Jan-22	15:00:00	11-Jan-2215:00	68.2	33.5	77.0	74.0	74.0	69.0	72.0	63.0	34.4	60.0	63.0
11-Jan-22	15:30:00	11-Jan-2215:00	68.2	33.5	77.0	74.0	74.0	69.0	72.0	63.0	34.1	60.0	63.0
11-Jan-22	16:00:00	11-Jan-2216:00	68.2	33.5	77.0	74.0	74.0	69.0	72.0	63.0	34.3	60.0	63.0
11-Jan-22	16:30:00	11-Jan-2216:00	68.2	33.5	77.0	74.0	74.3	69.0	72.0	63.0	34.5	60.0	63.0
11-Jan-22	17:00:00	11-Jan-2217:00	68.2	33.5	77.0	73.2	72.3	69.0	72.0	63.0	35.0	60.0	63.0
11-Jan-22	17:30:00	11-Jan-2217:00	68.2	33.5	76.1	73.0	72.0	69.0	72.0	63.0	34.6	60.0	63.0
11-Jan-22	18:00:00	11-Jan-2218:00	68.2	33.5	76.8	72.5	70.4	69.0	71.4	63.0	34.0	60.0	63.0
11-Jan-22	18:30:00	11-Jan-2218:00	68.2	33.5	76.0	71.4	69.7	69.0	71.3	63.0	34.0	60.0	63.0
11-Jan-22	19:00:00	11-Jan-2219:00	66.2	33.5	76.0	70.3	67.5	69.0	71.2	62.1	34.0	60.0	62.4
11-Jan-22	19:30:00	11-Jan-2219:00	66.2	34.0	76.0	70.6	67.5	69.0	71.0	62.1	34.0	60.0	62.0
11-Jan-22	20:00:00	11-Jan-2220:00	66.2	34.5	75.4	70.0	66.0	69.0	71.0	62.0	34.0	60.0	62.0
11-Jan-22	20:30:00	11-Jan-2220:00	66.2	34.5	75.1	70.0	66.3	68.4	71.0	62.0	34.0	60.0	62.0
11-Jan-22	21:00:00	11-Jan-2221:00	66.2	34.5	75.0	69.7	65.4	68.4	71.0	62.0	34.0	60.0	62.0
11-Jan-22	21:30:00	11-Jan-2221:00	66.2	34.5	75.0	70.0	66.3	69.0	71.0	62.1	34.0	60.0	62.0

11-Jan-22	22:00:00	11-Jan-2222:00	66.2	32.1	75.2	70.0	66.0	69.0	71.0	62.7	34.0	60.0	62.5
11-Jan-22	22:30:00	11-Jan-2222:00	66.2	30.6	76.0	70.0	66.6	69.0	71.0	63.0	34.0	60.0	62.7
11-Jan-22	23:00:00	11-Jan-2223:00	66.2	31.1	75.3	70.0	65.1	69.0	71.0	63.0	34.0	60.0	62.7
11-Jan-22	23:30:00	11-Jan-2223:00	66.2	31.9	75.5	70.3	66.5	69.0	71.3	63.0	34.3	60.0	63.0
12-Jan-22	0:00:00	12-Jan-2200:00	66.2	32.5	76.0	70.0	65.0	69.0	71.0	63.0	34.0	60.0	63.0
12-Jan-22	0:30:00	12-Jan-2200:30	66.2	32.6	76.0	70.0	65.8	69.0	71.3	63.0	34.3	60.0	63.0
12-Jan-22	1:00:00	12-Jan-2201:00	66.2	33.5	75.3	70.0	66.3	69.0	71.7	63.0	34.0	60.0	63.0
12-Jan-22	1:30:00	12-Jan-2201:30	66.2	34.0	75.0	70.7	66.6	69.0	72.0	63.0	34.8	60.0	63.0
12-Jan-22	2:00:00	12-Jan-2202:00	66.2	34.5	75.8	70.4	66.3	69.0	72.0	63.0	35.0	60.0	63.0
12-Jan-22	2:30:00	12-Jan-2202:30	66.2	34.5	76.0	71.0	66.4	69.7	72.0	63.0	35.0	60.6	63.0
12-Jan-22	3:00:00	12-Jan-2203:00	66.2	34.5	76.0	71.0	67.5	70.0	72.0	63.0	35.0	60.6	63.0
12-Jan-22	3:30:00	12-Jan-2203:30	67.7	34.5	76.6	71.3	68.9	70.0	72.0	63.5	35.0	60.9	63.2
12-Jan-22	4:00:00	12-Jan-2204:00	68.2	33.9	76.5	71.2	67.4	70.0	72.0	63.1	35.0	61.0	63.1
12-Jan-22	4:30:00	12-Jan-2204:30	68.2	31.9	76.0	71.4	68.0	70.0	72.0	63.0	35.0	61.0	63.0
12-Jan-22	5:00:00	12-Jan-2205:00	68.2	32.7	76.3	71.2	68.0	70.0	72.0	63.0	35.0	60.7	63.0
12-Jan-22	5:30:00	12-Jan-2205:30	68.2	35.5	76.0	71.4	68.1	69.1	72.0	63.0	35.0	60.5	63.0
12-Jan-22	6:00:00	12-Jan-2206:00	68.2	35.5	76.0	71.5	69.2	69.3	72.0	63.0	35.0	60.3	63.0
12-Jan-22	6:30:00	12-Jan-2206:30	68.2	34.6	76.3	71.6	69.6	69.6	72.0	63.1	35.1	60.2	63.1
12-Jan-22	7:00:00	12-Jan-2207:00	68.2	34.2	77.0	73.1	71.1	70.0	72.5	64.0	36.0	61.9	64.0
12-Jan-22	7:30:00	12-Jan-2207:30	68.2	33.0	77.0	73.5	72.3	70.0	72.1	64.0	36.0	62.0	64.0
12-Jan-22	8:00:00	12-Jan-2208:00	68.2	33.0	76.9	73.0	72.0	70.0	72.0	63.8	36.0	62.0	64.0
12-Jan-22	8:30:00	12-Jan-2208:30	68.2	32.2	76.8	73.0	72.5	70.0	72.0	63.9	36.0	61.7	64.0
12-Jan-22	9:00:00	12-Jan-2209:00	68.2	30.0	77.0	73.3	73.1	70.0	72.0	64.0	36.0	62.0	64.0
12-Jan-22	9:30:00	12-Jan-2209:30	68.2	29.3	77.0	73.7	74.0	70.6	72.3	64.3	36.0	62.3	64.6
12-Jan-22	10:00:00	12-Jan-2210:00	68.2	29.5	77.0	74.0	72.9	70.0	72.4	64.2	36.0	62.0	64.0
12-Jan-22	10:30:00	12-Jan-2210:30	68.2	29.6	78.0	74.7	74.1	70.7	73.0	64.7	36.0	62.1	64.3
12-Jan-22	11:00:00	12-Jan-2211:00	68.2	29.6	78.0	74.4	73.9	71.0	73.0	64.7	36.0	62.2	64.7
12-Jan-22	11:30:00	12-Jan-2211:30	69.9	29.6	78.3	74.7	74.9	71.0	73.0	65.0	36.5	62.3	65.0
12-Jan-22	12:00:00	12-Jan-2212:00	70.2	29.6	78.0	75.0	74.5	71.0	73.0	65.0	36.7	62.7	65.0
12-Jan-22	12:30:00	12-Jan-2212:30	70.2	29.6	78.4	75.0	74.1	71.0	73.7	65.0	37.0	63.0	65.0
12-Jan-22	13:00:00	12-Jan-2213:00	70.2	29.6	79.2	75.8	75.5	71.9	74.2	65.9	37.3	63.7	65.6
12-Jan-22	13:30:00	12-Jan-2213:30	70.2	29.6	80.0	76.6	76.6	72.5	75.0	67.0	38.0	64.0	66.0
12-Jan-22	14:00:00	12-Jan-2214:00	62.3	28.9	75.5	73.1	72.8	71.6	73.6	65.0	36.6	62.3	64.8
12-Jan-22	14:30:00	12-Jan-2214:30	61.8	28.6	73.0	69.8	70.0	70.3	71.3	64.0	36.0	62.0	64.0
12-Jan-22	15:00:00	12-Jan-2215:00	61.8	27.9	73.0	69.9	70.6	70.0	71.0	64.0	36.0	62.0	64.0
12-Jan-22	15:30:00	12-Jan-2215:30	61.8	28.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.7	64.0
12-Jan-22	16:00:00	12-Jan-2216:00	61.8	29.8	72.8	69.5	69.8	70.0	71.0	64.0	36.0	62.0	64.0
12-Jan-22	16:30:00	12-Jan-2216:30	61.8	30.9	72.9	69.6	69.9	70.0	71.0	63.8	35.9	61.4	63.3

12-Jan-22	17:00:00	12-Jan-2217:00	61.8	31.6	72.0	69.0	69.2	69.7	71.0	63.0	35.0	61.3	63.0
12-Jan-22	17:30:00	12-Jan-2217:30	59.9	31.6	72.0	68.1	68.8	68.2	70.0	62.3	34.6	60.2	62.6
12-Jan-22	18:00:00	12-Jan-2218:00	59.7	31.6	71.3	67.3	67.6	68.0	69.2	61.7	34.0	59.7	62.0
12-Jan-22	18:30:00	12-Jan-2218:30	61.9	31.6	71.0	67.0	67.0	67.2	69.1	61.3	33.7	59.5	61.6
12-Jan-22	19:00:00	12-Jan-2219:00	68.6	31.6	76.9	74.1	73.9	69.9	72.0	63.4	33.9	60.9	63.4
12-Jan-22	19:30:00	12-Jan-2219:30	68.6	31.6	77.2	74.5	74.0	70.0	72.0	63.7	35.0	61.3	64.0
12-Jan-22	20:00:00	12-Jan-2220:00	68.6	31.6	78.0	74.4	74.3	70.0	72.0	64.0	35.4	61.0	64.0
12-Jan-22	20:30:00	12-Jan-2220:30	68.6	32.1	78.0	74.7	75.0	70.0	72.8	64.0	36.0	61.7	64.0
12-Jan-22	21:00:00	12-Jan-2221:00	68.6	32.7	78.0	75.0	75.0	70.3	73.0	64.0	36.0	62.0	64.0
12-Jan-22	21:30:00	12-Jan-2221:30	68.6	33.8	78.2	75.2	75.2	71.0	73.0	64.0	36.0	62.0	64.3
12-Jan-22	22:00:00	12-Jan-2222:00	68.6	33.9	79.0	76.0	75.7	71.0	73.9	65.0	36.1	62.5	65.0
12-Jan-22	22:30:00	12-Jan-2222:30	69.1	33.3	79.0	76.0	76.3	71.4	74.0	65.0	37.0	63.0	65.0
12-Jan-22	23:00:00	12-Jan-2223:00	70.6	26.2	79.0	76.0	76.3	72.0	74.0	65.1	37.0	63.0	65.1
12-Jan-22	23:30:00	12-Jan-2223:30	70.6	19.4	79.7	76.1	77.0	72.0	74.0	66.0	37.0	63.3	66.0
13-Jan-22	0:00:00	13-Jan-2200:00	70.6	17.0	79.4	76.4	77.0	72.0	74.3	66.0	37.1	63.2	66.0
13-Jan-22	0:30:00	13-Jan-2200:30	69.8	17.2	79.4	77.0	77.0	72.1	75.0	66.0	38.0	64.0	66.0
13-Jan-22	1:00:00	13-Jan-2201:00	61.6	24.1	76.1	71.1	71.3	70.5	72.3	64.3	36.2	62.5	64.1
13-Jan-22	1:30:00	13-Jan-2201:30	61.6	33.6	73.0	70.0	70.0	70.0	71.2	64.0	36.0	62.0	64.0
13-Jan-22	2:00:00	13-Jan-2202:00	61.6	33.5	73.0	69.7	70.0	69.8	71.0	63.7	36.0	62.0	64.0
13-Jan-22	2:30:00	13-Jan-2202:30	61.6	35.3	73.0	70.0	70.0	70.0	71.0	63.7	36.0	62.0	64.0
13-Jan-22	3:00:00	13-Jan-2203:00	61.6	35.5	73.0	70.0	70.0	70.0	71.0	63.4	35.7	61.3	63.4
13-Jan-22	3:30:00	13-Jan-2203:30	61.6	35.5	73.0	70.0	70.0	69.6	71.0	63.0	35.3	61.0	63.5
13-Jan-22	4:00:00	13-Jan-2204:00	61.6	35.7	73.0	69.5	70.0	69.0	70.4	63.0	35.0	61.0	63.0
13-Jan-22	4:30:00	13-Jan-2204:30	61.6	36.4	72.0	69.0	69.6	69.0	70.3	63.0	35.0	61.0	63.0
13-Jan-22	5:00:00	13-Jan-2205:00	61.6	35.3	72.0	68.8	69.0	68.2	70.2	62.0	34.7	60.0	62.1
13-Jan-22	5:30:00	13-Jan-2205:30	69.4	34.5	76.6	75.3	75.8	70.8	74.4	63.8	35.5	61.8	63.5
13-Jan-22	6:00:00	13-Jan-2206:00	69.4	33.9	78.5	75.5	75.7	70.7	73.0	64.1	36.0	62.0	64.0
13-Jan-22	6:30:00	13-Jan-2206:30	69.4	35.5	78.7	75.3	75.6	70.7	73.3	64.0	36.0	62.0	64.0
13-Jan-22	7:00:00	13-Jan-2207:00	69.4	35.5	78.5	74.7	75.0	70.7	73.0	64.1	36.0	62.4	64.6
13-Jan-22	7:30:00	13-Jan-2207:30	69.4	35.5	78.0	75.4	75.0	70.9	73.6	64.4	36.7	62.7	64.7
13-Jan-22	8:00:00	13-Jan-2208:00	69.4	34.8	78.5	75.2	75.3	70.8	73.6	64.7	36.7	62.3	64.7
13-Jan-22	8:30:00	13-Jan-2208:30	69.4	34.5	78.4	75.0	75.0	71.0	73.6	65.0	37.0	62.9	65.0
13-Jan-22	9:00:00	13-Jan-2209:00	69.4	34.5	79.0	76.0	75.6	71.7	73.8	65.0	37.0	63.0	65.0
13-Jan-22	9:30:00	13-Jan-2209:30	69.4	34.2	79.3	76.0	76.4	71.5	74.0	65.4	37.0	63.0	65.0
13-Jan-22	10:00:00	13-Jan-2210:00	65.7	33.5	79.0	75.0	75.6	70.6	74.0	64.6	36.6	61.2	64.5
13-Jan-22	10:30:00	13-Jan-2210:30	61.3	33.5	73.1	69.0	69.1	68.3	70.3	62.3	35.0	60.7	62.9
13-Jan-22	11:00:00	13-Jan-2211:00	61.3	33.7	72.0	69.0	69.3	68.4	70.3	62.0	35.0	60.7	62.5
13-Jan-22	11:30:00	13-Jan-2211:30	59.9	35.4	71.7	68.4	69.0	68.5	70.0	62.3	34.2	60.0	62.4

13-Jan-22	12:00:00	13-Jan-2212:00	59.2	35.5	72.0	68.0	69.0	68.0	70.0	62.0	34.3	60.0	62.0
13-Jan-22	12:30:00	13-Jan-2212:30	59.2	35.5	71.5	67.8	68.2	67.5	69.1	61.7	33.7	59.3	62.0
13-Jan-22	13:00:00	13-Jan-2213:00	59.2	35.5	71.0	67.9	67.7	67.3	69.0	61.0	32.7	59.3	61.0
13-Jan-22	13:30:00	13-Jan-2213:30	59.2	35.0	71.0	67.4	68.0	67.0	69.0	61.0	33.0	58.7	61.0
13-Jan-22	14:00:00	13-Jan-2214:00	59.2	34.5	70.4	67.1	67.1	66.2	68.1	60.6	32.7	58.4	60.6
13-Jan-22	14:30:00	13-Jan-2214:30	63.2	34.5	70.0	68.2	68.5	67.2	68.8	60.8	33.2	58.8	60.7
13-Jan-22	15:00:00	13-Jan-2215:00	67.9	34.5	76.3	74.2	74.8	69.3	72.0	63.3	34.6	61.0	63.0
13-Jan-22	15:30:00	13-Jan-2215:30	67.9	34.5	77.3	74.0	74.4	69.9	72.0	63.5	34.7	61.0	63.3
13-Jan-22	16:00:00	13-Jan-2216:00	67.9	34.4	77.0	74.2	74.8	69.7	72.0	63.7	35.0	61.1	63.6
13-Jan-22	16:30:00	13-Jan-2216:30	67.9	33.5	77.6	75.0	75.3	70.0	72.7	64.0	35.0	61.4	64.0
13-Jan-22	17:00:00	13-Jan-2217:00	67.9	33.1	77.7	74.3	74.8	70.0	72.2	64.0	35.0	61.1	64.0
13-Jan-22	17:30:00	13-Jan-2217:30	67.9	32.5	78.0	74.0	74.3	70.0	72.0	64.0	35.0	61.2	64.0
13-Jan-22	18:00:00	13-Jan-2218:00	67.9	32.5	77.7	74.0	74.3	70.0	72.0	64.0	35.7	61.7	64.0
13-Jan-22	18:30:00	13-Jan-2218:30	67.9	34.2	78.0	74.5	74.3	70.0	72.0	64.0	36.0	61.9	64.0
13-Jan-22	19:00:00	13-Jan-2219:00	67.9	34.5	78.0	74.4	74.0	70.0	72.6	64.0	36.0	61.8	64.0
13-Jan-22	19:30:00	13-Jan-2219:30	67.9	34.5	77.4	74.1	74.4	70.0	72.5	64.0	36.0	62.0	64.0
13-Jan-22	20:00:00	13-Jan-2220:00	67.9	34.5	78.0	75.0	75.0	70.8	73.0	64.0	36.0	62.0	64.0
13-Jan-22	20:30:00	13-Jan-2220:30	69.4	34.2	78.0	75.0	75.4	70.7	73.0	64.2	36.0	62.0	64.5
13-Jan-22	21:00:00	13-Jan-2221:00	69.9	31.8	78.5	75.2	76.0	71.0	73.6	65.0	36.3	62.5	65.0
13-Jan-22	21:30:00	13-Jan-2221:30	69.9	31.6	79.0	76.0	76.0	71.1	74.0	65.0	37.0	63.0	65.0
13-Jan-22	22:00:00	13-Jan-2222:00	69.9	31.6	79.0	76.0	76.0	72.0	74.0	65.0	37.0	63.0	65.3
13-Jan-22	22:30:00	13-Jan-2222:30	69.9	31.6	79.1	76.0	76.6	72.0	74.0	65.2	37.0	63.0	65.2
13-Jan-22	23:00:00	13-Jan-2223:00	69.9	33.7	79.8	76.0	76.3	72.0	74.0	66.0	37.0	63.2	66.0
13-Jan-22	23:30:00	13-Jan-2223:30	66.6	34.5	78.9	76.2	75.9	71.8	74.6	65.5	37.6	62.0	65.6
14-Jan-22	0:00:00	14-Jan-2200:00	61.0	34.5	73.0	70.0	70.0	69.5	71.3	63.4	36.0	61.5	63.7
14-Jan-22	0:30:00	14-Jan-2200:30	61.0	34.5	73.0	70.0	70.0	69.9	71.0	63.3	36.0	61.9	64.0
14-Jan-22	1:00:00	14-Jan-2201:00	61.0	34.5	73.0	69.8	70.0	69.5	71.0	63.0	35.4	61.0	63.7
14-Jan-22	1:30:00	14-Jan-2201:30	61.0	34.8	73.0	69.6	69.7	69.0	71.0	63.0	35.3	61.0	63.0
14-Jan-22	2:00:00	14-Jan-2202:00	61.0	35.5	72.7	69.4	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	2:30:00	14-Jan-2202:30	61.0	34.6	72.4	69.4	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	3:00:00	14-Jan-2203:00	61.0	33.7	72.0	69.0	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	3:30:00	14-Jan-2203:30	61.0	33.6	72.0	69.0	69.7	69.0	70.4	63.0	35.0	60.7	63.0
14-Jan-22	4:00:00	14-Jan-2204:00	64.4	34.5	73.0	70.0	70.1	69.0	70.8	62.7	35.2	60.6	63.5
14-Jan-22	4:30:00	14-Jan-2204:30	69.7	34.5	79.0	76.0	76.6	71.0	73.9	65.0	36.0	62.5	65.0
14-Jan-22	5:00:00	14-Jan-2205:00	69.7	34.7	79.0	76.0	76.3	71.0	73.2	65.0	36.2	62.3	65.0
14-Jan-22	5:30:00	14-Jan-2205:30	69.7	35.5	79.0	76.0	76.3	71.0	74.0	65.0	37.0	63.0	65.0
14-Jan-22	6:00:00	14-Jan-2206:00	69.7	35.5	79.0	75.9	76.3	71.2	73.5	64.8	37.0	62.7	64.8
14-Jan-22	6:30:00	14-Jan-2206:30	69.7	35.2	79.0	75.6	75.7	70.2	73.0	64.0	36.1	61.0	64.0

14-Jan-22	7:00:00	14-Jan-2207:00	69.7	33.8	79.0	75.0	75.7	70.4	73.0	64.0	36.0	61.3	64.0
14-Jan-22	7:30:00	14-Jan-2207:30	69.7	33.6	79.0	75.8	76.0	71.0	73.0	64.0	36.0	61.0	64.0
14-Jan-22	8:00:00	14-Jan-2208:00	69.7	34.5	79.0	76.0	75.7	70.7	73.0	64.0	35.9	60.7	64.0
14-Jan-22	8:30:00	14-Jan-2208:30	69.7	34.5	78.4	75.3	75.2	70.0	73.0	64.0	35.0	60.7	63.4
14-Jan-22	9:00:00	14-Jan-2209:00	69.7	34.5	78.7	75.3	75.3	70.0	73.0	64.1	35.4	61.2	63.7
14-Jan-22	9:30:00	14-Jan-2209:30	69.7	34.5	79.0	75.0	75.8	70.4	73.2	64.7	35.7	61.6	63.8
14-Jan-22	10:00:00	14-Jan-2210:00	69.7	34.5	78.7	75.3	75.6	70.8	73.1	65.0	35.7	60.8	64.0
14-Jan-22	10:30:00	14-Jan-2210:30	69.7	34.3	78.7	75.4	75.7	70.7	73.0	64.7	35.5	60.9	63.9
14-Jan-22	11:00:00	14-Jan-2211:00	69.7	33.5	78.2	75.2	75.4	70.5	73.0	64.4	35.4	61.6	64.0
14-Jan-22	11:30:00	14-Jan-2211:30	69.7	33.9	78.3	75.3	75.6	70.6	73.0	64.2	35.4	61.3	63.8
14-Jan-22	12:00:00	14-Jan-2212:00	69.7	34.5	79.0	75.5	75.5	71.5	73.8	65.3	36.3	62.1	64.9
14-Jan-22	12:30:00	14-Jan-2212:30	69.7	33.0	79.0	76.6	76.0	72.0	74.0	66.0	37.3	63.0	66.0
14-Jan-22	13:00:00	14-Jan-2213:00	61.9	31.9	75.1	74.3	72.0	70.6	71.7	64.1	36.2	61.8	63.8
14-Jan-22	13:30:00	14-Jan-2213:30	61.3	31.6	73.0	69.5	69.7	69.2	71.0	63.3	35.4	61.0	63.0
14-Jan-22	14:00:00	14-Jan-2214:00	60.1	31.6	72.1	69.0	69.4	69.0	70.7	63.0	35.0	60.7	63.0
14-Jan-22	14:30:00	14-Jan-2214:30	60.1	31.6	72.2	68.9	69.0	68.6	70.2	62.4	34.5	60.3	62.4
14-Jan-22	15:00:00	14-Jan-2215:00	60.1	31.6	71.7	68.7	68.6	68.0	69.7	62.0	34.0	60.0	62.0
14-Jan-22	15:30:00	14-Jan-2215:30	60.1	31.6	71.0	68.0	68.3	67.7	69.2	61.7	34.2	59.7	62.0
14-Jan-22	16:00:00	14-Jan-2216:00	60.1	31.6	71.3	68.0	68.5	68.0	70.0	62.0	34.1	60.0	62.0
14-Jan-22	16:30:00	14-Jan-2216:30	60.1	31.6	71.0	68.0	69.0	68.0	70.0	62.0	34.0	60.0	62.0
14-Jan-22	17:00:00	14-Jan-2217:00	60.1	31.6	71.0	68.0	68.0	68.0	69.6	62.0	34.0	60.0	62.0
14-Jan-22	17:30:00	14-Jan-2217:30	60.1	31.6	71.0	68.0	68.0	67.7	69.0	61.1	33.9	60.0	62.0
14-Jan-22	18:00:00	14-Jan-2218:00	58.4	31.6	70.0	66.4	67.4	67.0	69.0	61.0	33.0	60.0	61.6
14-Jan-22	18:30:00	14-Jan-2218:30	59.8	32.5	70.0	67.0	67.6	67.0	68.9	61.0	33.0	59.1	61.0
14-Jan-22	19:00:00	14-Jan-2219:00	58.1	33.5	70.0	67.0	67.3	67.0	68.0	60.8	33.0	58.4	61.0
14-Jan-22	19:30:00	14-Jan-2219:30	67.0	33.5	72.7	72.2	72.4	68.5	68.4	61.7	33.8	58.0	62.1
14-Jan-22	20:00:00	14-Jan-2220:00	67.3	34.0	77.0	74.0	74.0	69.0	72.0	63.0	34.8	60.9	63.0
14-Jan-22	20:30:00	14-Jan-2220:30	67.3	34.5	77.0	74.0	74.0	69.0	72.0	63.0	35.0	61.0	63.0
14-Jan-22	21:00:00	14-Jan-2221:00	67.3	34.5	77.3	74.0	74.3	69.0	72.0	63.2	35.0	61.0	63.1
14-Jan-22	21:30:00	14-Jan-2221:30	67.3	35.0	78.0	74.4	74.7	70.0	72.0	64.0	35.0	61.6	63.7
14-Jan-22	22:00:00	14-Jan-2222:00	68.2	34.8	78.0	74.7	75.0	70.0	72.6	64.0	35.6	61.7	64.0
14-Jan-22	22:30:00	14-Jan-2222:30	69.3	32.9	78.0	75.0	75.1	70.3	73.0	64.0	36.0	61.7	64.0
14-Jan-22	23:00:00	14-Jan-2223:00	69.3	32.5	78.0	75.0	74.9	70.6	73.0	64.0	36.0	62.0	64.0
14-Jan-22	23:30:00	14-Jan-2223:30	69.3	34.2	78.7	75.1	75.2	71.0	73.2	64.6	36.0	62.3	64.8
15-Jan-22	0:00:00	15-Jan-2200:00	69.3	35.5	79.0	75.4	75.4	71.0	73.7	65.0	36.0	62.0	65.0
15-Jan-22	0:30:00	15-Jan-2200:30	69.3	35.5	79.0	76.0	76.0	71.4	74.0	65.0	36.8	62.6	65.0
15-Jan-22	1:00:00	15-Jan-2201:00	69.3	35.0	79.0	76.0	76.0	72.0	74.0	65.1	37.0	63.0	65.1
15-Jan-22	1:30:00	15-Jan-2201:30	69.3	33.5	80.0	76.4	76.1	72.0	74.0	66.0	37.0	63.0	66.0

15-Jan-22	2:00:00	15-Jan-2202:00	69.5	33.5	80.0	77.0	77.0	72.0	74.6	66.0	37.3	63.7	66.0
15-Jan-22	2:30:00	15-Jan-2202:30	71.3	33.8	80.0	77.0	77.1	72.6	75.0	66.0	38.0	64.0	66.0
15-Jan-22	3:00:00	15-Jan-2203:00	66.9	34.5	80.0	76.3	78.0	72.6	75.0	66.0	37.5	61.8	65.5
15-Jan-22	3:30:00	15-Jan-2203:30	61.1	34.5	76.4	70.4	71.7	70.0	72.1	64.0	36.0	62.0	64.0
15-Jan-22	4:00:00	15-Jan-2204:00	61.1	34.5	73.5	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
15-Jan-22	4:30:00	15-Jan-2204:30	61.1	34.8	73.0	70.0	70.0	70.0	71.0	63.9	36.0	61.8	64.0
15-Jan-22	5:00:00	15-Jan-2205:00	61.1	34.9	73.0	69.6	70.0	69.0	71.0	63.0	35.2	61.0	63.2
15-Jan-22	5:30:00	15-Jan-2205:30	61.1	34.5	73.0	69.0	69.7	69.0	71.0	63.0	35.0	61.0	63.0
15-Jan-22	6:00:00	15-Jan-2206:00	61.1	34.0	72.0	69.2	69.6	69.0	70.8	63.0	35.0	61.0	63.0
15-Jan-22	6:30:00	15-Jan-2206:30	61.1	35.0	72.0	69.2	69.3	69.0	70.0	62.9	35.0	61.0	63.0
15-Jan-22	7:00:00	15-Jan-2207:00	61.1	35.5	72.0	68.9	68.9	68.9	70.0	62.0	34.8	60.4	62.8
15-Jan-22	7:30:00	15-Jan-2207:30	61.1	35.5	71.4	68.0	68.6	68.0	70.0	62.0	34.0	60.0	62.0
15-Jan-22	8:00:00	15-Jan-2208:00	59.7	35.5	71.3	68.3	68.6	68.0	69.6	62.0	34.0	59.7	62.0
15-Jan-22	8:30:00	15-Jan-2208:30	59.1	35.5	71.0	68.0	68.0	68.0	69.0	61.7	34.0	59.7	62.0
15-Jan-22	9:00:00	15-Jan-2209:00	63.7	35.5	71.0	70.3	70.5	68.7	70.3	62.2	34.4	60.0	63.6
15-Jan-22	9:30:00	15-Jan-2209:30	68.5	35.5	76.4	74.8	74.8	70.0	72.8	63.6	35.3	61.3	63.6
15-Jan-22	10:00:00	15-Jan-2210:00	68.7	35.5	78.0	75.0	74.7	70.0	72.7	64.0	35.7	61.0	64.0
15-Jan-22	10:30:00	15-Jan-2210:30	68.7	35.5	78.0	74.4	75.0	70.6	73.0	64.0	36.0	62.0	64.0
15-Jan-22	11:00:00	15-Jan-2211:00	68.7	34.6	78.3	75.0	75.6	70.9	73.0	65.0	36.0	62.0	64.6
15-Jan-22	11:30:00	15-Jan-2211:30	68.7	32.5	79.0	75.3	75.7	71.0	73.0	65.0	36.0	62.0	64.8
15-Jan-22	12:00:00	15-Jan-2212:00	68.7	32.3	79.0	75.6	76.0	71.0	73.3	65.0	36.3	62.5	65.0
15-Jan-22	12:30:00	15-Jan-2212:30	69.4	33.5	79.0	76.0	76.0	71.0	74.0	65.0	36.7	62.7	65.0
15-Jan-22	13:00:00	15-Jan-2213:00	70.8	33.5	79.0	76.0	76.0	71.5	74.0	65.0	37.0	63.0	65.0
15-Jan-22	13:30:00	15-Jan-2213:30	70.8	33.5	79.1	76.0	76.0	72.0	74.0	65.5	37.0	63.0	65.0
15-Jan-22	14:00:00	15-Jan-2214:00	70.8	33.5	80.0	76.3	76.2	72.0	74.3	66.0	37.0	63.0	65.9
15-Jan-22	14:30:00	15-Jan-2214:30	70.8	33.5	80.0	76.1	76.1	72.0	74.9	66.0	37.4	63.0	66.0
15-Jan-22	15:00:00	15-Jan-2215:00	63.2	32.7	73.8	69.7	73.6	68.8	72.4	64.7	36.9	62.3	64.8
15-Jan-22	15:30:00	15-Jan-2215:30	61.6	32.5	73.0	70.0	70.3	69.7	71.0	63.3	36.0	61.2	63.9
15-Jan-22	16:00:00	15-Jan-2216:00	61.6	32.5	72.9	69.6	70.0	69.6	71.0	63.0	35.4	61.0	63.0
15-Jan-22	16:30:00	15-Jan-2216:30	61.6	32.5	72.0	69.0	69.7	69.0	71.0	63.0	35.1	61.0	63.0
15-Jan-22	17:00:00	15-Jan-2217:00	61.6	32.5	72.0	69.0	69.3	69.0	70.6	63.0	35.0	61.0	63.0
15-Jan-22	17:30:00	15-Jan-2217:30	59.7	32.5	72.0	68.6	69.0	68.7	70.0	62.1	35.0	59.8	62.7
15-Jan-22	18:00:00	15-Jan-2218:00	59.6	32.2	71.7	68.3	68.5	68.5	70.0	62.0	34.1	60.0	62.3
15-Jan-22	18:30:00	15-Jan-2218:30	59.6	31.6	71.0	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
15-Jan-22	19:00:00	15-Jan-2219:00	62.2	31.6	71.0	68.7	71.8	68.2	69.2	61.5	34.0	60.0	61.8
15-Jan-22	19:30:00	15-Jan-2219:30	68.5	32.5	77.4	74.5	75.9	69.6	72.3	64.0	35.7	61.4	64.0
15-Jan-22	20:00:00	15-Jan-2220:00	68.5	32.5	78.0	75.0	75.3	70.0	73.0	64.0	36.0	61.7	64.0
15-Jan-22	20:30:00	15-Jan-2220:30	68.5	32.7	78.0	75.0	75.0	70.3	73.0	64.0	36.0	62.0	64.0

15-Jan-22	21:00:00	15-Jan-2221:00	68.5	33.5	78.7	75.2	75.8	71.0	73.0	64.3	36.0	62.0	64.3
15-Jan-22	21:30:00	15-Jan-2221:30	68.5	33.5	79.0	76.0	76.0	71.0	73.0	64.7	36.0	62.2	64.4
15-Jan-22	22:00:00	15-Jan-2222:00	68.5	33.5	79.0	76.0	76.3	71.0	73.7	65.0	36.8	63.0	65.0
15-Jan-22	22:30:00	15-Jan-2222:30	69.0	33.5	79.0	76.0	76.2	71.2	74.0	65.0	36.4	63.0	65.0
15-Jan-22	23:00:00	15-Jan-2223:00	70.6	33.5	79.0	76.0	76.1	71.7	74.0	65.0	37.0	63.0	65.0
15-Jan-22	23:30:00	15-Jan-2223:30	70.6	33.5	79.5	76.2	76.8	72.0	74.0	65.6	37.0	63.0	65.6
16-Jan-22	0:00:00	16-Jan-2200:00	70.6	33.5	80.0	76.1	76.7	72.0	74.3	65.7	37.1	63.0	66.0
16-Jan-22	0:30:00	16-Jan-2200:30	70.6	33.5	80.0	76.8	77.0	72.0	74.3	66.0	37.7	63.7	66.0
16-Jan-22	1:00:00	16-Jan-2201:00	67.7	34.1	80.0	76.7	76.7	72.0	74.7	65.7	37.8	63.2	65.7
16-Jan-22	1:30:00	16-Jan-2201:30	62.5	34.4	74.6	70.0	71.0	70.0	72.0	64.0	36.0	62.0	64.0
16-Jan-22	2:00:00	16-Jan-2202:00	62.5	32.6	73.0	70.0	70.2	70.0	71.0	64.0	36.0	62.0	64.0
16-Jan-22	2:30:00	16-Jan-2202:30	62.5	32.5	73.0	70.0	70.5	70.0	71.0	64.0	36.0	62.0	64.0
16-Jan-22	3:00:00	16-Jan-2203:00	62.5	32.6	73.0	70.0	70.3	70.0	71.0	63.3	36.0	61.2	64.0
16-Jan-22	3:30:00	16-Jan-2203:30	61.5	34.8	73.0	70.0	70.0	70.0	71.0	63.0	35.7	61.0	63.7
16-Jan-22	4:00:00	16-Jan-2204:00	60.6	34.8	72.1	69.1	70.0	69.2	71.0	63.0	35.1	61.0	63.0
16-Jan-22	4:30:00	16-Jan-2204:30	60.6	33.6	72.3	70.0	70.0	69.0	70.8	63.0	35.0	61.0	63.0
16-Jan-22	5:00:00	16-Jan-2205:00	60.6	34.2	72.0	69.1	69.7	69.0	70.0	63.0	35.0	61.0	63.0
16-Jan-22	5:30:00	16-Jan-2205:30	60.6	34.5	72.0	69.0	69.7	69.0	70.0	62.7	35.0	61.0	63.0
16-Jan-22	6:00:00	16-Jan-2206:00	60.6	34.8	72.0	69.0	69.7	69.0	70.0	62.7	35.0	60.8	63.0
16-Jan-22	6:30:00	16-Jan-2206:30	68.5	35.5	74.6	73.7	74.6	70.1	73.0	65.2	36.5	61.6	64.3
16-Jan-22	7:00:00	16-Jan-2207:00	69.2	36.2	79.0	76.3	77.0	71.7	74.0	65.0	37.0	62.4	65.0
16-Jan-22	7:30:00	16-Jan-2207:30	69.2	36.4	79.0	76.0	76.4	71.4	74.0	65.0	37.0	62.7	65.0
16-Jan-22	8:00:00	16-Jan-2208:00	69.2	35.3	79.0	76.0	76.0	71.6	74.0	65.2	37.0	63.0	65.0
16-Jan-22	8:30:00	16-Jan-2208:30	69.2	34.5	79.0	76.0	75.7	71.0	73.4	65.1	37.0	63.0	65.0
16-Jan-22	9:00:00	16-Jan-2209:00	69.2	34.5	79.3	76.0	75.7	71.3	74.0	65.0	37.0	63.0	65.0
16-Jan-22	9:30:00	16-Jan-2209:30	69.2	34.5	79.0	76.0	76.0	71.7	74.0	65.9	37.0	63.3	65.2
16-Jan-22	10:00:00	16-Jan-2210:00	69.2	34.5	79.0	76.0	76.0	71.8	74.0	66.0	37.0	63.0	66.0
16-Jan-22	10:30:00	16-Jan-2210:30	62.9	34.5	75.3	72.1	72.3	71.3	72.3	62.6	36.6	61.9	63.8
16-Jan-22	11:00:00	16-Jan-2211:00	61.5	34.5	73.0	69.2	69.8	69.6	71.0	63.0	35.2	61.0	63.6
16-Jan-22	11:30:00	16-Jan-2211:30	61.5	34.5	73.0	69.3	69.6	69.0	71.0	63.0	35.0	61.0	63.0
16-Jan-22	12:00:00	16-Jan-2212:00	61.5	33.6	72.3	69.0	69.6	69.0	70.7	63.0	35.0	61.0	63.0
16-Jan-22	12:30:00	16-Jan-2212:30	61.5	33.5	72.0	69.0	69.0	69.0	70.7	63.0	35.0	60.6	63.0
16-Jan-22	13:00:00	16-Jan-2213:00	61.5	33.5	72.0	69.0	69.3	69.0	70.0	63.0	35.0	60.0	63.0
16-Jan-22	13:30:00	16-Jan-2213:30	67.0	32.7	73.3	71.9	72.5	69.7	70.8	64.2	35.6	62.6	63.9
16-Jan-22	14:00:00	16-Jan-2214:00	68.9	32.5	79.0	75.6	76.0	71.0	73.3	65.0	36.0	62.0	65.0
16-Jan-22	14:30:00	16-Jan-2214:30	68.9	32.5	79.0	75.7	76.0	71.0	73.8	65.0	36.2	62.4	65.0
16-Jan-22	15:00:00	16-Jan-2215:00	68.9	32.7	79.0	76.0	76.0	71.0	73.4	65.0	36.4	63.0	65.0
16-Jan-22	15:30:00	16-Jan-2215:30	68.9	33.5	79.0	76.0	76.3	71.3	74.0	65.0	37.0	63.0	65.0

16-Jan-22	16:00:00	16-Jan-2216:00	70.1	33.5	79.0	76.0	76.3	71.8	74.0	65.4	37.0	63.0	65.4
16-Jan-22	16:30:00	16-Jan-2216:30	71.0	33.5	79.0	76.3	76.3	72.0	74.0	66.0	37.0	63.0	65.7
16-Jan-22	17:00:00	16-Jan-2217:00	68.4	33.5	79.5	76.5	76.8	72.0	74.2	65.8	37.2	62.6	65.9
16-Jan-22	17:30:00	16-Jan-2217:30	60.8	33.5	75.3	70.0	69.8	69.8	71.0	63.5	35.9	61.9	63.5
16-Jan-22	18:00:00	16-Jan-2218:00	60.8	33.5	73.0	68.2	69.0	69.3	71.0	63.0	35.0	61.0	63.0
16-Jan-22	18:30:00	16-Jan-2218:30	60.8	33.5	72.1	68.6	68.7	69.0	70.3	62.9	35.0	60.5	63.0
16-Jan-22	19:00:00	16-Jan-2219:00	60.8	33.5	72.0	68.3	68.6	68.6	70.0	62.0	34.5	60.0	62.8
16-Jan-22	19:30:00	16-Jan-2219:30	60.8	33.5	72.0	68.0	68.2	68.0	70.0	62.0	34.0	60.0	62.0
16-Jan-22	20:00:00	16-Jan-2220:00	60.8	33.5	71.6	68.0	68.0	68.0	69.9	62.0	34.0	59.7	62.0
16-Jan-22	20:30:00	16-Jan-2220:30	60.8	33.5	71.0	67.7	68.3	68.0	69.0	61.1	34.0	59.6	62.0
16-Jan-22	21:00:00	16-Jan-2221:00	69.5	33.5	71.1	74.2	74.3	69.7	73.9	63.5	35.9	60.8	61.4
16-Jan-22	21:30:00	16-Jan-2221:30	69.2	33.5	78.0	75.0	76.0	70.4	73.0	64.0	36.0	62.0	64.0
16-Jan-22	22:00:00	16-Jan-2222:00	69.2	32.8	78.3	75.0	75.7	71.0	73.0	64.7	36.0	62.0	64.1
16-Jan-22	22:30:00	16-Jan-2222:30	69.2	32.5	79.0	76.0	76.0	71.0	73.0	65.0	36.0	62.3	65.0
16-Jan-22	23:00:00	16-Jan-2223:00	69.2	32.5	79.0	76.0	75.7	71.0	73.3	65.0	36.3	62.6	65.0
16-Jan-22	23:30:00	16-Jan-2223:30	69.2	32.5	79.0	76.0	76.0	71.6	74.0	65.0	37.0	62.2	65.0
17-Jan-22	0:00:00	17-Jan-2200:00	69.2	32.5	79.0	76.0	76.0	71.3	74.0	65.0	37.0	63.0	65.0
17-Jan-22	0:30:00	17-Jan-2200:30	69.2	33.3	79.3	76.3	76.3	71.9	74.4	65.5	37.0	63.0	65.4
17-Jan-22	1:00:00	17-Jan-2201:00	69.2	33.1	79.3	76.0	76.3	72.0	74.5	66.0	37.2	63.4	65.7
17-Jan-22	1:30:00	17-Jan-2201:30	68.3	32.6	79.3	76.2	76.6	72.2	74.2	65.7	37.6	64.0	65.9
17-Jan-22	2:00:00	17-Jan-2202:00	61.1	32.2	75.3	70.3	70.2	71.0	71.6	63.8	36.0	62.2	64.2
17-Jan-22	2:30:00	17-Jan-2202:30	61.1	31.6	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
17-Jan-22	3:00:00	17-Jan-2203:00	61.1	31.8	73.0	70.0	71.0	70.0	71.0	63.7	36.0	61.4	64.0
17-Jan-22	3:30:00	17-Jan-2203:30	61.1	33.5	73.0	69.8	70.2	69.8	70.8	63.1	36.0	60.9	64.0
17-Jan-22	4:00:00	17-Jan-2204:00	61.1	33.5	72.1	69.0	69.4	68.4	70.0	62.3	34.7	59.8	62.0
17-Jan-22	4:30:00	17-Jan-2204:30	61.1	33.5	72.0	68.9	69.0	68.0	70.0	62.0	34.0	59.6	62.0
17-Jan-22	5:00:00	17-Jan-2205:00	61.1	35.0	71.4	68.0	68.7	68.0	69.7	61.6	34.0	59.0	62.0
17-Jan-22	5:30:00	17-Jan-2205:30	61.1	35.5	71.0	68.0	69.0	68.0	69.0	61.0	33.8	59.0	61.4
17-Jan-22	6:00:00	17-Jan-2206:00	63.4	35.5	71.0	69.5	70.1	68.4	69.0	61.5	33.3	59.3	62.7
17-Jan-22	6:30:00	17-Jan-2206:30	68.5	35.1	77.8	75.0	75.9	70.0	73.0	64.0	35.0	61.0	64.0
17-Jan-22	7:00:00	17-Jan-2207:00	68.9	34.5	78.2	75.0	75.4	70.2	73.0	64.0	35.0	61.1	64.0
17-Jan-22	7:30:00	17-Jan-2207:30	70.5	34.5	79.0	75.9	76.7	71.0	73.3	65.0	36.1	62.2	65.0
17-Jan-22	8:00:00	17-Jan-2208:00	70.5	33.8	79.0	76.0	75.5	71.0	73.0	65.0	36.5	63.0	65.0
17-Jan-22	8:30:00	17-Jan-2208:30	70.5	33.5	79.0	76.0	75.6	71.3	73.6	65.0	36.6	63.0	65.0
17-Jan-22	9:00:00	17-Jan-2209:00	70.5	33.6	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
17-Jan-22	9:30:00	17-Jan-2209:30	70.5	34.8	79.0	76.0	76.0	72.0	74.0	65.1	37.0	63.0	65.0
17-Jan-22	10:00:00	17-Jan-2210:00	70.5	35.4	79.1	76.0	76.1	72.0	74.0	65.7	37.0	63.0	65.0
17-Jan-22	10:30:00	17-Jan-2210:30	70.5	33.9	80.0	76.0	76.2	72.0	74.0	65.7	37.0	63.0	65.3

17-Jan-22	11:00:00	17-Jan-2211:00	64.9	33.6	77.8	74.1	74.4	71.4	72.9	65.0	36.9	61.9	65.0
17-Jan-22	11:30:00	17-Jan-2211:30	61.3	34.5	72.9	69.3	69.6	69.6	71.0	63.0	35.5	61.1	63.0
17-Jan-22	12:00:00	17-Jan-2212:00	61.3	34.5	72.9	69.0	69.0	69.0	71.0	63.0	35.0	61.0	63.0
17-Jan-22	12:30:00	17-Jan-2212:30	61.3	34.5	72.0	69.0	69.0	69.0	70.8	63.0	35.0	61.0	63.0
17-Jan-22	13:00:00	17-Jan-2213:00	61.3	32.2	72.0	69.0	69.0	69.0	70.3	63.0	35.0	60.8	63.0
17-Jan-22	13:30:00	17-Jan-2213:30	61.3	31.6	72.0	69.0	69.0	69.0	70.0	62.5	35.0	60.6	63.0
17-Jan-22	14:00:00	17-Jan-2214:00	62.7	31.6	72.0	69.0	68.5	68.8	70.0	62.1	34.1	60.0	62.8
17-Jan-22	14:30:00	17-Jan-2214:30	69.7	31.6	78.4	74.8	75.1	69.8	73.3	65.0	36.0	61.7	65.0
17-Jan-22	15:00:00	17-Jan-2215:00	69.7	32.3	79.0	75.8	76.0	71.0	74.0	65.0	36.2	62.3	65.0
17-Jan-22	15:30:00	17-Jan-2215:30	69.7	32.5	79.0	75.9	76.0	71.0	74.0	65.0	37.0	62.8	65.0
17-Jan-22	16:00:00	17-Jan-2216:00	69.7	32.5	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
17-Jan-22	16:30:00	17-Jan-2216:30	69.7	32.5	79.3	76.0	76.3	72.0	74.0	65.1	37.0	63.0	65.0
17-Jan-22	17:00:00	17-Jan-2217:00	69.7	32.5	79.0	76.0	76.4	72.0	74.0	66.0	37.0	63.0	65.0
17-Jan-22	17:30:00	17-Jan-2217:30	69.7	32.5	79.0	76.0	76.2	71.7	74.0	66.0	37.0	63.0	65.3
17-Jan-22	18:00:00	17-Jan-2218:00	68.7	32.5	79.0	75.3	75.3	71.6	74.0	65.2	37.0	62.9	65.0
17-Jan-22	18:30:00	17-Jan-2218:30	60.6	32.1	74.0	70.5	70.4	69.4	72.0	63.7	35.2	59.7	63.2
17-Jan-22	19:00:00	17-Jan-2219:00	60.6	31.6	71.9	68.7	68.6	68.1	70.0	62.0	34.6	60.0	62.3
17-Jan-22	19:30:00	17-Jan-2219:30	60.4	31.6	71.0	68.0	68.0	68.0	70.0	62.0	34.0	59.9	62.0
17-Jan-22	20:00:00	17-Jan-2220:00	58.6	31.7	71.0	68.0	68.0	67.7	69.0	61.0	34.0	59.3	61.6
17-Jan-22	20:30:00	17-Jan-2220:30	58.6	32.5	70.4	67.0	67.7	67.0	69.0	61.0	33.2	59.0	61.0
17-Jan-22	21:00:00	17-Jan-2221:00	58.6	32.5	71.0	67.3	67.4	67.0	69.0	61.0	33.0	59.0	61.0
17-Jan-22	21:30:00	17-Jan-2221:30	68.7	32.5	75.5	71.9	72.3	70.4	71.7	62.9	34.5	60.8	63.1
17-Jan-22	22:00:00	17-Jan-2222:00	68.6	32.5	78.0	75.0	74.9	70.0	73.0	64.0	35.6	61.7	64.0
17-Jan-22	22:30:00	17-Jan-2222:30	68.6	32.5	78.1	75.1	75.4	70.6	73.0	64.0	36.0	62.0	64.0
17-Jan-22	23:00:00	17-Jan-2223:00	68.6	32.6	79.0	75.7	75.5	71.0	73.0	64.3	36.0	62.0	64.3
17-Jan-22	23:30:00	17-Jan-2223:30	68.6	33.5	79.0	75.4	75.9	71.0	74.0	65.0	36.3	62.6	65.0
18-Jan-22	0:00:00	18-Jan-2200:00	68.6	33.5	79.0	76.0	76.0	71.0	73.7	65.0	36.8	63.0	65.0
18-Jan-22	0:30:00	18-Jan-2200:30	69.5	34.4	79.4	76.3	76.4	71.6	74.0	65.2	37.0	63.0	65.2
18-Jan-22	1:00:00	18-Jan-2201:00	70.6	34.5	79.4	76.2	76.7	72.0	74.0	66.0	37.0	63.1	66.0
18-Jan-22	1:30:00	18-Jan-2201:30	70.6	34.5	80.0	76.9	76.7	72.3	74.7	66.0	38.0	63.7	66.0
18-Jan-22	2:00:00	18-Jan-2202:00	69.3	34.5	80.0	77.0	77.8	72.7	75.0	66.0	38.0	64.0	66.0
18-Jan-22	2:30:00	18-Jan-2202:30	62.3	34.5	73.7	70.8	71.4	70.4	72.1	64.0	36.6	62.4	64.0
18-Jan-22	3:00:00	18-Jan-2203:00	62.3	34.5	73.0	70.0	71.0	70.0	71.2	64.0	36.0	62.0	64.0
18-Jan-22	3:30:00	18-Jan-2203:30	62.3	34.5	73.0	70.0	70.7	70.0	71.0	64.0	36.0	62.0	64.0
18-Jan-22	4:00:00	18-Jan-2204:00	62.3	34.5	73.0	69.8	70.0	70.0	71.0	63.2	35.5	61.7	63.2
18-Jan-22	4:30:00	18-Jan-2204:30	61.3	34.5	73.0	69.9	70.0	69.8	71.0	63.0	35.0	61.0	63.0
18-Jan-22	5:00:00	18-Jan-2205:00	60.3	34.5	72.3	69.0	70.0	69.0	70.5	63.0	35.0	60.7	63.0
18-Jan-22	5:30:00	18-Jan-2205:30	60.3	34.2	72.0	69.0	69.2	69.0	70.0	62.1	35.0	61.0	62.4

18-Jan-22	6:00:00	18-Jan-2206:00	60.3	33.0	72.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	6:30:00	18-Jan-2206:30	60.3	33.3	72.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	7:00:00	18-Jan-2207:00	66.7	34.7	75.4	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	7:30:00	18-Jan-2207:30	68.8	35.5	78.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	8:00:00	18-Jan-2208:00	68.8	35.5	78.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	8:30:00	18-Jan-2208:30	68.2	35.5	78.0	70.9	69.3	71.0	71.2	62.2	35.4	61.2	62.9
18-Jan-22	9:00:00	18-Jan-2209:00	68.7	35.5	78.0	75.0	69.6	74.7	72.4	63.3	34.9	60.7	62.9
18-Jan-22	9:30:00	18-Jan-2209:30	68.7	35.5	77.7	74.4	69.6	74.4	72.7	63.4	35.0	60.4	63.4
18-Jan-22	10:00:00	18-Jan-2210:00	68.7	35.8	78.0	74.7	75.0	75.0	73.0	64.0	35.0	61.0	63.5
18-Jan-22	10:30:00	18-Jan-2210:30	68.7	35.5	78.0	75.0	75.6	75.6	73.0	64.0	35.0	60.7	63.1
18-Jan-22	11:00:00	18-Jan-2211:00	68.7	35.5	78.0	75.0	75.2	75.2	73.0	63.7	35.0	61.0	64.3
18-Jan-22	11:30:00	18-Jan-2211:30	68.7	35.5	78.5	75.3	75.4	75.4	73.0	64.0	35.3	61.0	64.0
18-Jan-22	12:00:00	18-Jan-2212:00	68.7	35.9	78.0	75.0	75.6	75.6	73.0	64.0	35.7	61.3	64.0
18-Jan-22	12:30:00	18-Jan-2212:30	68.7	36.4	78.2	75.0	75.2	75.2	73.0	64.9	36.0	61.6	64.0
18-Jan-22	13:00:00	18-Jan-2213:00	68.7	35.2	78.7	75.0	75.4	75.4	73.0	64.7	36.0	61.3	64.0
18-Jan-22	13:30:00	18-Jan-2213:30	69.9	32.3	79.0	76.0	75.7	71.2	73.5	65.3	36.2	62.4	64.5
18-Jan-22	14:00:00	18-Jan-2214:00	70.4	32.7	79.3	76.0	76.0	72.0	74.0	65.3	37.0	63.0	65.4
18-Jan-22	14:30:00	18-Jan-2214:30	70.4	34.5	80.0	76.1	76.1	72.0	74.0	65.5	37.0	63.0	65.8
18-Jan-22	15:00:00	18-Jan-2215:00	67.6	34.5	78.7	75.2	76.5	72.0	74.3	65.9	37.3	63.0	65.9
18-Jan-22	15:30:00	18-Jan-2215:30	61.3	34.2	72.8	68.8	72.3	70.2	70.3	63.2	35.0	61.3	63.8
18-Jan-22	16:00:00	18-Jan-2216:00	61.1	33.5	72.0	68.7	69.3	69.0	70.5	63.0	35.0	61.0	63.0
18-Jan-22	16:30:00	18-Jan-2216:30	61.4	33.2	72.0	68.7	68.9	69.0	70.6	63.0	35.0	61.0	63.0
18-Jan-22	17:00:00	18-Jan-2217:00	61.4	32.5	72.0	68.9	68.6	68.6	70.0	63.0	35.0	60.6	63.0
18-Jan-22	17:30:00	18-Jan-2217:30	60.4	33.3	71.7	68.0	68.8	68.0	70.0	62.0	34.1	60.0	62.1
18-Jan-22	18:00:00	18-Jan-2218:00	59.4	33.5	71.0	68.0	67.7	68.0	69.3	61.7	34.0	59.7	62.0
18-Jan-22	18:30:00	18-Jan-2218:30	59.4	33.5	70.5	67.5	67.5	67.2	69.0	61.1	34.0	59.3	61.4
18-Jan-22	19:00:00	18-Jan-2219:00	66.8	33.5	74.9	71.4	71.5	68.9	71.1	64.3	34.4	60.1	63.0
18-Jan-22	19:30:00	18-Jan-2219:30	68.0	14.6	78.0	74.0	74.5	70.0	72.2	63.6	35.3	61.4	63.7
18-Jan-22	20:00:00	18-Jan-2220:00	68.0	30.6	78.0	74.6	74.1	70.0	72.7	64.0	36.0	61.5	63.7
18-Jan-22	20:30:00	18-Jan-2220:30	68.0	33.9	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.6	64.0
18-Jan-22	21:00:00	18-Jan-2221:00	68.0	33.9	78.0	75.0	75.0	70.3	73.0	64.0	36.0	62.0	64.4
18-Jan-22	21:30:00	18-Jan-2221:30	69.0	33.9	78.7	75.1	75.1	71.0	73.2	64.5	36.0	62.3	65.0
18-Jan-22	22:00:00	18-Jan-2222:00	70.0	33.1	79.0	76.0	75.7	71.0	73.4	65.0	36.6	62.5	64.7
18-Jan-22	22:30:00	18-Jan-2222:30	70.0	32.9	79.0	76.0	76.3	71.4	74.0	65.0	37.0	62.7	65.0
18-Jan-22	23:00:00	18-Jan-2223:00	70.0	33.9	79.0	76.0	76.0	72.0	74.0	65.3	37.0	63.0	65.0
18-Jan-22	23:30:00	18-Jan-2223:30	70.0	33.9	79.7	76.4	76.7	72.0	74.2	65.8	37.0	63.0	65.8
19-Jan-22	0:00:00	19-Jan-2200:00	70.0	33.9	79.7	76.2	76.7	72.0	74.1	66.0	37.0	63.2	66.0
19-Jan-22	0:30:00	19-Jan-2200:30	69.0	33.9	80.0	77.0	77.3	72.1	75.0	66.0	37.5	64.0	66.0

19-Jan-22	1:00:00	19-Jan-2201:00	61.9	33.9	76.4	71.4	71.3	70.6	71.8	64.1	36.2	62.0	64.2
19-Jan-22	1:30:00	19-Jan-2201:30	61.9	34.9	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.7	64.0
19-Jan-22	2:00:00	19-Jan-2202:00	61.9	34.9	73.0	70.0	70.0	70.0	71.0	63.1	36.0	61.4	64.0
19-Jan-22	2:30:00	19-Jan-2202:30	61.9	35.3	73.0	70.0	70.0	70.0	71.0	63.0	36.0	61.5	64.0
19-Jan-22	3:00:00	19-Jan-2203:00	61.9	35.1	73.0	70.0	70.0	69.9	71.0	63.0	35.8	61.0	63.1
19-Jan-22	3:30:00	19-Jan-2203:30	61.9	32.9	73.0	69.5	69.7	69.3	71.0	63.0	35.0	61.0	63.0
19-Jan-22	4:00:00	19-Jan-2204:00	61.9	33.7	72.0	69.0	70.0	69.0	70.8	63.0	35.0	61.0	63.0
19-Jan-22	4:30:00	19-Jan-2204:30	61.3	36.8	72.0	69.0	69.7	69.0	70.0	62.9	35.0	60.8	63.0
19-Jan-22	5:00:00	19-Jan-2205:00	59.8	36.8	72.0	68.6	69.0	68.3	70.0	62.0	34.2	60.0	62.2
19-Jan-22	5:30:00	19-Jan-2205:30	64.9	36.8	73.5	71.7	70.7	70.0	70.9	62.7	34.6	60.9	62.7
19-Jan-22	6:00:00	19-Jan-2206:00	68.9	35.9	78.2	75.4	76.0	70.7	73.0	64.0	36.0	62.0	64.0
19-Jan-22	6:30:00	19-Jan-2206:30	68.9	35.4	78.2	75.0	75.2	70.7	73.0	64.0	36.0	62.1	64.0
19-Jan-22	7:00:00	19-Jan-2207:00	68.9	34.9	78.0	75.0	75.0	70.6	72.7	63.5	35.6	61.8	64.1
19-Jan-22	7:30:00	19-Jan-2207:30	68.9	34.9	78.0	75.0	75.0	69.8	72.7	63.9	34.7	61.0	63.6
19-Jan-22	8:00:00	19-Jan-2208:00	68.9	34.1	78.0	75.0	74.4	69.6	72.9	63.0	35.0	61.0	63.6
19-Jan-22	8:30:00	19-Jan-2208:30	68.9	32.8	78.0	74.7	74.5	69.2	72.0	63.0	34.7	60.6	63.3
19-Jan-22	9:00:00	19-Jan-2209:00	68.9	32.8	77.7	74.7	74.6	69.7	72.0	63.4	34.9	60.5	63.0
19-Jan-22	9:30:00	19-Jan-2209:30	68.9	33.8	78.0	74.8	75.0	69.0	72.3	63.1	34.5	60.3	62.5
19-Jan-22	10:00:00	19-Jan-2210:00	68.9	35.1	78.0	74.6	74.2	69.3	72.4	63.2	35.0	60.8	63.0
19-Jan-22	10:30:00	19-Jan-2210:30	68.9	35.7	78.0	75.0	75.0	70.0	73.0	63.7	35.0	61.0	63.6
19-Jan-22	11:00:00	19-Jan-2211:00	68.9	33.4	78.4	74.9	75.4	70.0	73.0	64.0	35.0	61.0	63.5
19-Jan-22	11:30:00	19-Jan-2211:30	68.9	32.8	78.2	74.8	75.2	70.0	73.0	64.0	35.3	61.0	63.9
19-Jan-22	12:00:00	19-Jan-2212:00	68.9	33.3	78.3	75.0	75.3	70.0	73.0	64.0	35.0	61.0	64.0
19-Jan-22	12:30:00	19-Jan-2212:30	68.9	36.5	78.3	75.0	75.3	70.0	73.0	64.0	35.0	61.0	63.7
19-Jan-22	13:00:00	19-Jan-2213:00	68.9	36.7	78.0	75.0	75.0	70.0	73.0	63.4	35.4	60.7	63.3
19-Jan-22	13:30:00	19-Jan-2213:30	68.9	36.4	78.2	75.4	75.2	70.0	73.0	64.0	35.4	61.0	63.6
19-Jan-22	14:00:00	19-Jan-2214:00	68.9	36.5	79.0	75.7	76.0	70.3	73.0	64.0	35.9	61.0	64.0
19-Jan-22	14:30:00	19-Jan-2214:30	68.9	35.6	78.4	75.0	75.4	70.0	73.0	64.0	35.8	61.0	64.0
19-Jan-22	15:00:00	19-Jan-2215:00	68.9	32.2	79.0	75.3	75.7	70.5	73.0	64.1	36.0	61.6	64.0
19-Jan-22	15:30:00	19-Jan-2215:30	71.0	32.7	79.0	76.2	76.3	71.9	73.7	65.0	36.7	62.8	64.8
19-Jan-22	16:00:00	19-Jan-2216:00	71.0	34.3	79.3	76.0	76.5	72.0	74.0	65.6	37.0	63.0	65.3
19-Jan-22	16:30:00	19-Jan-2216:30	64.7	34.8	77.1	74.3	74.4	71.0	72.7	64.6	36.7	62.4	64.4
19-Jan-22	17:00:00	19-Jan-2217:00	60.6	34.8	72.2	69.0	70.0	69.0	71.0	63.0	35.0	60.9	63.0
19-Jan-22	17:30:00	19-Jan-2217:30	60.6	34.8	72.0	69.0	69.1	69.0	70.0	63.0	35.0	60.9	63.0
19-Jan-22	18:00:00	19-Jan-2218:00	60.6	34.0	71.2	68.2	67.9	68.4	70.0	62.1	35.0	60.0	62.4
19-Jan-22	18:30:00	19-Jan-2218:30	60.6	33.8	71.3	68.0	68.3	68.1	70.0	62.0	34.0	60.0	62.0
19-Jan-22	19:00:00	19-Jan-2219:00	60.6	33.8	71.0	68.0	68.0	68.0	69.2	62.0	34.0	59.6	62.0
19-Jan-22	19:30:00	19-Jan-2219:30	61.5	33.8	71.2	67.6	68.0	67.5	69.3	61.3	34.2	59.0	62.0

19-Jan-22	20:00:00	19-Jan-2220:00	68.5	33.8	78.0	74.0	74.6	70.0	72.0	63.4	35.2	61.2	64.0
19-Jan-22	20:30:00	19-Jan-2220:30	68.5	33.8	78.0	74.6	74.9	70.0	73.0	64.0	36.0	61.8	64.0
19-Jan-22	21:00:00	19-Jan-2221:00	68.5	33.8	78.5	75.0	75.2	70.7	73.0	64.0	36.0	62.0	64.3
19-Jan-22	21:30:00	19-Jan-2221:30	68.5	33.8	79.0	75.4	76.0	70.7	73.4	65.0	36.0	62.3	64.5
19-Jan-22	22:00:00	19-Jan-2222:00	68.5	33.8	79.0	76.0	76.0	71.0	74.0	65.0	36.3	62.7	65.0
19-Jan-22	22:30:00	19-Jan-2222:30	70.3	33.8	79.0	76.0	76.3	71.4	74.0	65.2	37.0	63.0	65.0
19-Jan-22	23:00:00	19-Jan-2223:00	70.5	33.8	79.6	76.0	76.8	72.0	74.0	66.0	37.0	63.0	65.0
19-Jan-22	23:30:00	19-Jan-2223:30	70.5	33.8	79.9	76.9	77.0	72.0	74.4	66.0	37.4	63.5	66.0
20-Jan-22	0:00:00	20-Jan-2200:00	70.5	33.8	80.0	77.0	77.0	72.0	74.7	66.0	37.7	63.3	66.0
20-Jan-22	0:30:00	20-Jan-2200:30	67.8	33.8	79.8	77.0	77.6	72.6	75.0	65.7	37.8	63.1	65.7
20-Jan-22	1:00:00	20-Jan-2201:00	62.4	34.2	73.0	71.9	74.2	70.0	72.6	64.0	36.0	61.9	64.0
20-Jan-22	1:30:00	20-Jan-2201:30	62.4	33.6	73.0	70.0	70.6	70.0	71.9	64.0	36.0	62.0	64.0
20-Jan-22	2:00:00	20-Jan-2202:00	62.4	31.9	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.6	64.0
20-Jan-22	2:30:00	20-Jan-2202:30	62.4	31.9	73.0	70.0	70.0	70.0	71.0	63.4	36.0	61.8	64.0
20-Jan-22	3:00:00	20-Jan-2203:00	62.4	33.7	73.0	70.0	70.0	70.0	71.0	63.3	36.0	61.3	63.7
20-Jan-22	3:30:00	20-Jan-2203:30	60.6	33.9	73.0	69.7	70.1	69.7	71.0	63.5	35.7	61.0	63.6
20-Jan-22	4:00:00	20-Jan-2204:00	60.4	34.8	72.8	70.0	70.2	69.2	71.0	63.0	35.1	61.0	63.0
20-Jan-22	4:30:00	20-Jan-2204:30	60.4	34.8	72.3	69.3	69.9	69.0	70.5	63.0	35.0	61.0	63.0
20-Jan-22	5:00:00	20-Jan-2205:00	60.4	34.8	72.0	69.0	69.3	68.4	70.0	62.1	34.7	60.3	62.7
20-Jan-22	5:30:00	20-Jan-2205:30	60.4	35.7	72.0	69.0	69.0	68.3	70.0	62.0	34.5	60.0	62.5
20-Jan-22	6:00:00	20-Jan-2206:00	69.1	34.9	77.6	74.6	74.3	70.2	71.8	63.4	35.3	61.5	63.3
20-Jan-22	6:30:00	20-Jan-2206:30	69.7	34.8	78.0	75.0	75.4	70.3	73.0	64.0	36.0	62.0	64.0
20-Jan-22	7:00:00	20-Jan-2207:00	69.7	35.4	78.3	75.3	75.5	70.6	73.0	64.3	36.0	62.0	64.0
20-Jan-22	7:30:00	20-Jan-2207:30	69.7	36.1	78.8	75.3	76.3	70.7	73.0	64.0	36.0	62.0	64.0
20-Jan-22	8:00:00	20-Jan-2208:00	69.6	36.0	79.0	75.3	75.7	71.0	73.3	64.0	36.0	62.0	64.0
20-Jan-22	8:30:00	20-Jan-2208:30	69.5	35.7	78.5	75.4	75.3	70.9	73.2	64.0	36.0	61.2	64.3
20-Jan-22	9:00:00	20-Jan-2209:00	69.6	34.8	79.3	75.7	75.6	70.5	73.1	64.4	36.3	63.4	63.5
20-Jan-22	9:30:00	20-Jan-2209:30	70.0	34.8	79.3	75.4	75.7	70.7	73.3	64.7	36.0	62.0	65.0
20-Jan-22	10:00:00	20-Jan-2210:00	70.0	34.1	79.0	75.4	75.7	71.0	73.3	65.0	36.9	62.7	65.0
20-Jan-22	10:30:00	20-Jan-2210:30	70.0	34.2	79.0	76.0	75.7	71.1	73.7	65.0	37.0	63.0	65.0
20-Jan-22	11:00:00	20-Jan-2211:00	70.0	35.4	79.6	76.3	76.3	72.0	74.0	65.0	37.0	63.0	65.1
20-Jan-22	11:30:00	20-Jan-2211:30	60.8	35.3	75.0	71.4	72.0	70.1	71.8	63.4	35.8	61.8	63.7
20-Jan-22	12:00:00	20-Jan-2212:00	60.5	35.7	73.0	69.5	70.0	69.0	71.0	63.0	35.3	61.0	63.3
20-Jan-22	12:30:00	20-Jan-2212:30	60.5	35.7	72.4	69.1	69.6	69.0	71.0	63.0	35.0	61.0	63.0
20-Jan-22	13:00:00	20-Jan-2213:00	60.5	35.7	72.5	69.6	69.8	69.0	70.4	63.0	34.7	61.0	63.0
20-Jan-22	13:30:00	20-Jan-2213:30	68.8	35.7	74.4	73.3	73.2	69.8	72.7	64.2	35.7	62.1	64.4
20-Jan-22	14:00:00	20-Jan-2214:00	70.2	35.7	79.0	76.0	76.0	70.5	74.0	65.0	36.6	62.7	65.0
20-Jan-22	14:30:00	20-Jan-2214:30	70.1	35.6	79.0	76.0	75.7	71.0	73.7	65.1	37.0	63.2	65.0

20-Jan-22	15:00:00	20-Jan-2215:00	70.3	33.4	79.0	76.0	76.0	71.0	74.0	65.2	37.0	62.9	65.0
20-Jan-22	15:30:00	20-Jan-2215:30	70.3	32.8	79.3	76.3	76.3	71.8	74.0	65.7	37.0	63.0	65.1
20-Jan-22	16:00:00	20-Jan-2216:00	70.3	32.8	79.7	76.0	76.0	72.0	74.0	66.0	37.0	63.0	65.7
20-Jan-22	16:30:00	20-Jan-2216:30	65.4	33.5	77.2	73.9	74.2	71.2	73.2	65.5	36.5	62.4	63.6
20-Jan-22	17:00:00	20-Jan-2217:00	61.7	33.8	73.0	69.7	70.0	69.5	71.0	63.4	36.0	61.3	63.4
20-Jan-22	17:30:00	20-Jan-2217:30	61.7	33.8	72.7	69.4	69.7	69.3	71.0	63.0	35.0	61.0	63.0
20-Jan-22	18:00:00	20-Jan-2218:00	61.7	33.8	72.0	68.9	69.1	69.0	70.5	63.0	35.0	61.0	63.0
20-Jan-22	18:30:00	20-Jan-2218:30	61.7	33.8	72.0	68.8	68.5	68.7	70.0	62.7	35.0	60.6	63.0
20-Jan-22	19:00:00	20-Jan-2219:00	60.1	33.8	71.9	68.4	68.3	68.1	70.0	62.0	34.0	60.0	62.3
20-Jan-22	19:30:00	20-Jan-2219:30	59.7	33.8	71.0	68.0	68.2	68.0	69.2	61.7	34.0	59.7	62.0
20-Jan-22	20:00:00	20-Jan-2220:00	59.7	33.8	71.0	68.0	68.1	68.0	69.3	61.6	34.0	60.0	62.0
20-Jan-22	20:30:00	20-Jan-2220:30	61.8	34.5	71.8	68.8	68.7	68.2	69.0	61.3	34.0	59.5	62.0
20-Jan-22	21:00:00	20-Jan-2221:00	68.4	31.9	77.8	74.5	75.0	70.0	72.6	63.0	35.8	62.0	63.9
20-Jan-22	21:30:00	20-Jan-2221:30	68.4	31.8	78.6	75.6	75.7	70.6	73.0	64.0	36.0	62.0	64.0
20-Jan-22	22:00:00	20-Jan-2222:00	68.4	32.3	78.7	75.3	76.0	71.0	73.0	64.9	36.0	62.0	64.6
20-Jan-22	22:30:00	20-Jan-2222:30	68.8	33.4	79.0	75.7	76.4	71.0	73.7	65.0	36.4	62.6	65.0
20-Jan-22	23:00:00	20-Jan-2223:00	70.4	33.8	79.0	76.0	76.2	71.2	73.7	65.0	37.0	63.0	65.0
20-Jan-22	23:30:00	20-Jan-2223:30	70.4	34.7	79.0	76.0	76.3	71.7	74.0	65.0	37.0	63.0	65.0
21-Jan-22	0:00:00	21-Jan-2200:00	70.4	33.8	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
21-Jan-22	0:30:00	21-Jan-2200:30	70.4	33.8	79.9	76.9	76.9	72.0	74.4	65.7	37.4	63.2	65.4
21-Jan-22	1:00:00	21-Jan-2201:00	70.4	34.7	80.0	77.0	77.0	72.3	74.4	66.0	37.7	63.1	66.0
21-Jan-22	1:30:00	21-Jan-2201:30	68.5	35.7	80.3	77.0	77.3	72.5	75.0	66.4	37.9	63.0	65.9
21-Jan-22	2:00:00	21-Jan-2202:00	62.4	34.7	76.3	70.7	70.9	70.2	72.0	64.0	36.0	61.5	64.0
21-Jan-22	2:30:00	21-Jan-2202:30	62.4	33.8	73.2	70.0	70.8	70.0	72.0	64.0	36.0	62.0	64.0
21-Jan-22	3:00:00	21-Jan-2203:00	62.4	34.8	73.0	70.0	70.4	70.0	71.3	64.0	36.0	62.0	64.0
21-Jan-22	3:30:00	21-Jan-2203:30	62.4	35.7	73.0	70.0	70.5	70.0	71.0	64.0	36.0	62.0	64.0
21-Jan-22	4:00:00	21-Jan-2204:00	62.0	35.7	73.0	69.7	70.0	69.7	71.0	63.3	35.9	61.2	63.6
21-Jan-22	4:30:00	21-Jan-2204:30	60.4	35.7	73.0	70.0	70.3	69.0	71.0	63.0	35.0	61.0	63.0
21-Jan-22	5:00:00	21-Jan-2205:00	60.4	35.7	72.2	68.9	69.7	68.2	70.4	62.3	34.7	60.1	62.3
21-Jan-22	5:30:00	21-Jan-2205:30	60.4	35.7	71.0	68.0	68.3	67.7	69.3	61.0	33.3	58.4	61.0
21-Jan-22	6:00:00	21-Jan-2206:00	64.7	34.8	72.4	74.5	70.9	69.3	70.1	61.1	33.6	59.1	61.6
21-Jan-22	6:30:00	21-Jan-2206:30	68.2	34.7	77.7	74.1	74.4	69.3	72.0	63.0	35.0	60.0	63.0
21-Jan-22	7:00:00	21-Jan-2207:00	68.2	34.7	77.0	74.0	74.6	69.3	72.0	63.0	35.0	60.0	63.0
21-Jan-22	7:30:00	21-Jan-2207:30	68.2	34.7	77.1	74.4	74.1	69.8	72.5	63.0	35.0	60.0	63.0
21-Jan-22	8:00:00	21-Jan-2208:00	68.2	34.3	77.4	74.2	74.5	69.8	72.0	63.0	34.7	60.0	63.0
21-Jan-22	8:30:00	21-Jan-2208:30	68.2	34.7	77.7	74.4	74.1	69.6	72.0	63.0	34.7	60.0	63.0
21-Jan-22	9:00:00	21-Jan-2209:00	68.2	34.7	78.0	74.3	74.8	69.3	72.0	63.0	34.7	60.0	63.0
21-Jan-22	9:30:00	21-Jan-2209:30	68.1	34.6	77.9	74.6	74.6	69.9	72.0	63.5	35.0	60.0	63.0

21-Jan-22	10:00:00	21-Jan-2210:00	67.9	33.8	77.8	74.5	74.5	70.0	72.3	63.3	34.4	60.0	63.0
21-Jan-22	10:30:00	21-Jan-2210:30	67.9	33.8	78.0	74.1	74.7	69.7	72.0	63.4	34.6	60.0	63.0
21-Jan-22	11:00:00	21-Jan-2211:00	68.7	34.2	77.4	74.7	73.8	69.4	72.8	64.0	34.8	60.0	63.0
21-Jan-22	11:30:00	21-Jan-2211:30	70.1	35.7	78.0	75.0	75.0	69.7	73.0	64.0	35.0	60.0	63.0
21-Jan-22	12:00:00	21-Jan-2212:00	70.1	35.7	78.0	74.7	74.6	70.0	73.0	64.0	35.0	60.0	63.5
21-Jan-22	12:30:00	21-Jan-2212:30	70.1	35.7	78.5	75.8	75.6	70.8	73.0	64.7	35.6	61.5	64.3
21-Jan-22	13:00:00	21-Jan-2213:00	70.1	35.7	79.0	76.0	75.7	71.0	73.7	65.0	36.0	62.0	65.0
21-Jan-22	13:30:00	21-Jan-2213:30	70.1	35.7	79.0	76.0	76.2	71.0	74.0	65.0	36.6	62.4	65.0
21-Jan-22	14:00:00	21-Jan-2214:00	70.1	35.7	78.9	75.9	76.4	71.0	74.0	65.0	37.0	63.0	65.0
21-Jan-22	14:30:00	21-Jan-2214:30	70.1	35.7	78.8	75.3	75.7	71.3	73.4	65.0	37.0	62.4	65.0
21-Jan-22	15:00:00	21-Jan-2215:00	70.1	35.7	79.0	75.8	76.0	71.8	73.9	66.0	37.0	63.0	65.0
21-Jan-22	15:30:00	21-Jan-2215:30	65.3	36.5	77.5	74.5	74.8	71.4	73.2	65.3	36.3	62.6	64.8
21-Jan-22	16:00:00	21-Jan-2216:00	61.1	36.5	73.0	69.3	69.6	69.3	71.0	63.0	35.0	61.0	63.0
21-Jan-22	16:30:00	21-Jan-2216:30	61.1	33.8	72.4	69.6	69.6	69.0	71.0	63.0	35.0	61.0	63.0
21-Jan-22	17:00:00	21-Jan-2217:00	61.1	33.8	72.0	69.0	69.1	69.0	70.7	63.0	35.0	60.7	63.0
21-Jan-22	17:30:00	21-Jan-2217:30	61.1	32.8	72.0	69.0	69.2	69.0	70.1	63.0	35.0	60.6	62.9
21-Jan-22	18:00:00	21-Jan-2218:00	59.5	32.8	71.9	68.3	68.3	68.1	70.0	62.2	34.6	60.0	62.0
21-Jan-22	18:30:00	21-Jan-2218:30	59.2	33.4	71.0	67.7	67.8	68.0	69.5	62.0	34.0	60.0	62.0
21-Jan-22	19:00:00	21-Jan-2219:00	59.2	35.0	71.0	67.7	68.0	67.4	69.0	61.3	33.6	59.5	61.3
21-Jan-22	19:30:00	21-Jan-2219:30	68.0	35.7	74.2	72.1	72.8	69.2	71.4	64.7	34.6	60.3	63.5
21-Jan-22	20:00:00	21-Jan-2220:00	68.6	35.7	78.0	74.9	74.9	70.0	72.9	64.0	35.7	61.2	64.0
21-Jan-22	20:30:00	21-Jan-2220:30	68.6	35.9	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.7	64.0
21-Jan-22	21:00:00	21-Jan-2221:00	68.6	35.8	78.0	75.0	75.3	70.3	73.0	64.0	36.0	62.0	64.1
21-Jan-22	21:30:00	21-Jan-2221:30	68.6	35.7	78.7	75.4	75.7	71.0	73.0	64.5	36.2	62.1	64.7
21-Jan-22	22:00:00	21-Jan-2222:00	68.7	34.9	79.0	76.0	76.0	71.0	73.9	65.0	36.7	62.7	65.0
21-Jan-22	22:30:00	21-Jan-2222:30	70.5	34.7	79.3	76.0	76.4	71.9	74.0	65.0	37.0	63.0	65.0
21-Jan-22	23:00:00	21-Jan-2223:00	70.5	34.7	79.2	76.0	76.8	71.4	74.0	65.6	37.0	63.0	65.3
21-Jan-22	23:30:00	21-Jan-2223:30	70.5	34.7	80.0	76.6	76.7	72.0	74.1	66.0	37.1	63.0	66.0
22-Jan-22	0:00:00	22-Jan-2200:00	70.5	34.7	80.0	77.0	76.8	72.0	74.1	66.0	37.4	63.3	66.0
22-Jan-22	0:30:00	22-Jan-2200:30	69.6	34.6	80.0	77.0	76.9	72.6	75.0	66.0	38.0	63.5	66.0
22-Jan-22	1:00:00	22-Jan-2201:00	61.1	33.7	74.7	71.4	71.6	70.7	72.1	64.2	36.3	61.7	64.2
22-Jan-22	1:30:00	22-Jan-2201:30	61.0	35.7	73.0	70.0	70.3	70.0	72.0	64.0	36.0	62.0	64.0
22-Jan-22	2:00:00	22-Jan-2202:00	61.0	35.7	73.0	70.0	70.0	70.0	71.8	64.0	36.0	62.0	64.0
22-Jan-22	2:30:00	22-Jan-2202:30	61.0	35.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
22-Jan-22	3:00:00	22-Jan-2203:00	61.0	35.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.9	64.0
22-Jan-22	3:30:00	22-Jan-2203:30	61.0	35.7	72.1	69.1	69.7	69.4	70.6	62.8	35.6	60.5	63.4
22-Jan-22	4:00:00	22-Jan-2204:00	61.0	35.7	72.0	69.0	69.0	68.3	70.0	62.0	34.2	60.0	62.0
22-Jan-22	4:30:00	22-Jan-2204:30	61.0	35.7	72.0	69.0	69.0	68.0	70.0	62.0	34.0	59.5	62.0

22-Jan-22	5:00:00	22-Jan-2205:00	62.6	36.5	72.7	69.6	69.8	68.2	69.5	61.5	34.0	59.1	61.7
22-Jan-22	5:30:00	22-Jan-2205:30	69.1	36.7	78.5	75.4	75.8	70.2	72.6	63.0	35.2	61.0	63.9
22-Jan-22	6:00:00	22-Jan-2206:00	69.1	36.7	78.7	75.7	76.0	71.0	73.0	64.0	36.0	61.0	64.0
22-Jan-22	6:30:00	22-Jan-2206:30	69.1	36.7	78.2	75.4	76.0	70.4	73.3	64.4	36.0	61.9	64.4
22-Jan-22	7:00:00	22-Jan-2207:00	69.1	35.8	78.7	76.0	76.0	71.3	74.0	65.0	37.0	62.7	65.0
22-Jan-22	7:30:00	22-Jan-2207:30	69.1	35.7	79.0	76.0	76.0	71.0	73.4	65.0	36.7	62.6	65.0
22-Jan-22	8:00:00	22-Jan-2208:00	69.1	35.3	79.0	75.4	75.4	71.0	74.0	65.0	36.0	62.0	65.0
22-Jan-22	8:30:00	22-Jan-2208:30	69.1	34.7	79.0	75.7	75.7	71.0	74.0	65.0	36.3	62.6	65.0
22-Jan-22	9:00:00	22-Jan-2209:00	69.1	26.6	79.0	76.0	75.7	71.0	74.0	65.0	36.4	62.6	65.0
22-Jan-22	9:30:00	22-Jan-2209:30	69.1	29.9	79.0	76.0	76.0	71.0	74.0	65.3	37.0	63.0	65.0
22-Jan-22	10:00:00	22-Jan-2210:00	69.1	27.0	79.3	76.0	76.0	71.6	74.0	65.0	37.0	63.0	65.0
22-Jan-22	10:30:00	22-Jan-2210:30	60.8	25.6	74.2	70.9	70.9	69.9	71.4	63.0	34.9	60.5	62.8
22-Jan-22	11:00:00	22-Jan-2211:00	60.1	30.4	71.7	68.4	69.0	68.2	70.0	62.4	33.9	60.0	62.5
22-Jan-22	11:30:00	22-Jan-2211:30	59.9	32.7	72.0	68.7	69.0	68.6	70.0	62.5	34.0	60.0	62.0
22-Jan-22	12:00:00	22-Jan-2212:00	63.2	34.4	73.5	70.2	68.2	68.5	70.1	62.2	34.1	60.4	62.2
22-Jan-22	12:30:00	22-Jan-2212:30	69.0	34.9	79.0	75.4	75.9	70.1	73.0	64.6	36.0	62.0	64.3
22-Jan-22	13:00:00	22-Jan-2213:00	69.0	29.0	79.0	75.4	75.8	71.0	73.0	64.6	36.0	61.7	64.0
22-Jan-22	13:30:00	22-Jan-2213:30	69.0	32.7	78.7	75.1	75.9	71.0	73.0	65.0	36.0	62.0	64.1
22-Jan-22	14:00:00	22-Jan-2214:00	69.0	35.8	79.0	75.7	76.0	71.0	73.2	65.0	36.0	62.1	65.0
22-Jan-22	14:30:00	22-Jan-2214:30	69.0	36.1	79.0	76.0	76.0	71.9	74.0	65.7	37.0	63.0	65.0
22-Jan-22	15:00:00	22-Jan-2215:00	69.0	35.3	79.0	76.4	76.0	71.7	74.0	66.0	37.0	63.0	65.0
22-Jan-22	15:30:00	22-Jan-2215:30	69.3	35.1	79.6	76.2	76.3	72.0	74.0	66.0	37.0	63.0	66.0
22-Jan-22	16:00:00	22-Jan-2216:00	67.7	35.1	79.2	75.6	75.8	71.8	74.0	66.0	36.8	63.3	65.3
22-Jan-22	16:30:00	22-Jan-2216:30	61.4	35.1	73.0	70.0	69.5	69.5	71.0	63.4	36.0	62.1	63.4
22-Jan-22	17:00:00	22-Jan-2217:00	61.4	35.1	72.1	69.7	69.1	69.3	71.0	63.0	35.0	61.0	63.3
22-Jan-22	17:30:00	22-Jan-2217:30	61.4	35.1	72.5	69.0	69.7	69.0	71.0	63.0	35.0	61.0	63.0
22-Jan-22	18:00:00	22-Jan-2218:00	61.4	35.1	72.0	68.9	69.4	69.0	70.0	62.8	35.0	60.4	63.0
22-Jan-22	18:30:00	22-Jan-2218:30	61.4	35.1	72.0	68.3	68.7	68.8	70.0	62.0	34.7	60.0	63.0
22-Jan-22	19:00:00	22-Jan-2219:00	62.2	35.1	71.7	68.3	68.5	68.0	70.4	62.0	34.0	60.0	62.0
22-Jan-22	19:30:00	22-Jan-2219:30	68.8	35.1	78.0	75.0	75.1	70.7	73.6	63.9	35.6	61.9	63.9
22-Jan-22	20:00:00	22-Jan-2220:00	68.8	35.1	78.0	75.0	75.7	70.4	73.0	64.0	36.0	62.0	64.0
22-Jan-22	20:30:00	22-Jan-2220:30	68.8	35.1	78.3	75.1	75.1	71.0	73.0	64.2	36.0	62.0	64.5
22-Jan-22	21:00:00	22-Jan-2221:00	68.8	35.1	78.8	75.2	76.0	71.0	73.0	65.0	36.0	62.0	65.0
22-Jan-22	21:30:00	22-Jan-2221:30	68.8	35.1	79.0	76.0	76.6	71.0	73.4	65.0	36.4	62.6	65.0
22-Jan-22	22:00:00	22-Jan-2222:00	70.7	35.1	79.0	76.0	76.3	71.8	74.0	65.0	37.0	63.0	65.3
22-Jan-22	22:30:00	22-Jan-2222:30	70.8	35.1	80.0	76.3	77.0	72.0	74.0	65.8	37.0	63.0	65.0
22-Jan-22	23:00:00	22-Jan-2223:00	70.8	35.1	80.0	76.3	77.0	72.0	74.0	66.0	37.0	63.1	65.9
22-Jan-22	23:30:00	22-Jan-2223:30	70.8	35.1	80.0	76.9	77.0	72.6	74.7	66.0	38.0	64.0	66.0

23-Jan-22	0:00:00	23-Jan-2200:00	64.6	33.6	76.6	73.7	73.3	71.9	73.1	64.8	36.9	63.2	64.8
23-Jan-22	0:30:00	23-Jan-2200:30	62.4	32.2	73.0	70.0	70.0	70.0	71.3	64.0	36.0	62.0	64.0
23-Jan-22	1:00:00	23-Jan-2201:00	62.4	32.2	73.0	70.0	70.0	70.0	71.0	63.7	36.0	61.9	64.0
23-Jan-22	1:30:00	23-Jan-2201:30	62.4	33.7	73.0	70.0	70.0	70.0	71.0	63.0	36.0	61.5	64.0
23-Jan-22	2:00:00	23-Jan-2202:00	62.4	34.2	73.0	69.4	70.0	69.7	71.0	63.0	35.7	61.6	63.4
23-Jan-22	2:30:00	23-Jan-2202:30	62.4	34.2	73.0	70.0	70.0	69.7	71.0	63.0	35.6	61.0	63.0
23-Jan-22	3:00:00	23-Jan-2203:00	60.3	34.2	73.0	69.7	70.0	69.3	71.0	63.0	35.0	61.0	63.0
23-Jan-22	3:30:00	23-Jan-2203:30	60.3	34.6	72.2	69.2	69.7	69.0	70.7	63.0	35.0	61.0	63.0
23-Jan-22	4:00:00	23-Jan-2204:00	60.3	35.1	72.0	69.0	69.1	69.0	70.0	62.8	34.8	60.9	62.8
23-Jan-22	4:30:00	23-Jan-2204:30	60.3	36.0	71.7	68.5	69.2	68.2	70.0	62.0	34.0	59.0	62.0
23-Jan-22	5:00:00	23-Jan-2205:00	61.2	37.1	71.0	68.3	68.6	67.6	69.2	61.2	33.2	59.0	61.2
23-Jan-22	5:30:00	23-Jan-2205:30	68.8	37.1	77.2	74.1	74.2	69.5	72.6	63.9	34.8	60.8	63.8
23-Jan-22	6:00:00	23-Jan-2206:00	68.8	36.5	79.0	75.7	76.0	70.7	73.0	64.0	35.0	61.0	64.0
23-Jan-22	6:30:00	23-Jan-2206:30	68.8	35.0	79.0	76.0	76.0	70.7	73.3	64.3	35.6	61.0	64.0
23-Jan-22	7:00:00	23-Jan-2207:00	69.8	34.2	79.0	75.7	75.7	71.1	74.0	64.2	36.2	61.6	64.2
23-Jan-22	7:30:00	23-Jan-2207:30	70.8	34.2	79.0	76.0	76.0	71.4	74.0	65.0	36.7	63.0	65.0
23-Jan-22	8:00:00	23-Jan-2208:00	70.8	32.5	79.0	76.0	76.0	72.0	74.0	65.0	37.0	62.7	65.0
23-Jan-22	8:30:00	23-Jan-2208:30	70.8	33.7	79.0	75.7	75.8	71.2	74.0	65.0	37.0	63.0	65.0
23-Jan-22	9:00:00	23-Jan-2209:00	70.8	34.2	79.0	75.9	75.7	71.3	74.0	65.0	37.0	63.0	65.0
23-Jan-22	9:30:00	23-Jan-2209:30	70.8	35.1	79.0	75.8	76.0	71.0	74.0	65.0	37.0	62.8	65.0
23-Jan-22	10:00:00	23-Jan-2210:00	70.8	35.5	79.0	75.7	76.0	71.0	74.0	65.0	36.2	62.0	65.0
23-Jan-22	10:30:00	23-Jan-2210:30	68.6	36.1	79.0	76.0	76.0	71.6	74.0	64.9	37.0	62.6	64.9
23-Jan-22	11:00:00	23-Jan-2211:00	61.5	36.1	72.5	69.5	69.4	69.2	71.0	62.8	35.0	60.3	62.8
23-Jan-22	11:30:00	23-Jan-2211:30	60.2	36.1	71.8	68.2	68.5	68.1	69.6	61.7	33.6	59.2	61.4
23-Jan-22	12:00:00	23-Jan-2212:00	59.5	36.1	71.0	68.0	68.0	67.0	69.0	61.0	33.0	58.0	61.0
23-Jan-22	12:30:00	23-Jan-2212:30	62.9	36.4	71.0	69.3	68.9	67.5	70.0	61.4	33.3	58.2	61.0
23-Jan-22	13:00:00	23-Jan-2213:00	68.3	37.1	77.3	75.0	75.2	70.0	73.0	64.0	35.0	60.5	63.7
23-Jan-22	13:30:00	23-Jan-2213:30	68.3	37.1	78.0	75.0	74.7	70.0	73.0	64.0	35.0	61.0	64.0
23-Jan-22	14:00:00	23-Jan-2214:00	69.7	34.6	78.6	75.3	75.6	70.5	73.3	65.0	35.7	61.5	64.7
23-Jan-22	14:30:00	23-Jan-2214:30	70.3	34.2	79.0	76.0	76.0	71.0	74.0	65.0	37.0	62.9	65.0
23-Jan-22	15:00:00	23-Jan-2215:00	70.3	33.3	79.0	76.0	76.0	71.2	74.0	65.0	37.0	63.0	65.0
23-Jan-22	15:30:00	23-Jan-2215:30	70.3	33.0	79.0	76.0	76.0	71.7	74.0	65.8	37.0	63.0	65.0
23-Jan-22	16:00:00	23-Jan-2216:00	70.3	33.2	79.2	76.0	76.3	72.0	74.0	66.0	37.0	63.0	65.0
23-Jan-22	16:30:00	23-Jan-2216:30	70.3	33.2	79.7	76.3	76.0	72.0	74.0	66.0	37.1	63.3	66.0
23-Jan-22	17:00:00	23-Jan-2217:00	65.2	33.2	76.8	73.5	73.8	71.0	72.7	65.1	36.7	63.0	65.4
23-Jan-22	17:30:00	23-Jan-2217:30	61.5	33.2	73.0	69.1	69.4	69.0	71.0	63.0	35.0	61.4	63.3
23-Jan-22	18:00:00	23-Jan-2218:00	61.5	33.2	72.0	68.6	68.5	69.0	70.5	62.7	35.0	60.6	63.0
23-Jan-22	18:30:00	23-Jan-2218:30	61.5	33.2	72.0	68.3	68.6	68.5	70.0	62.6	34.9	60.3	62.6

23-Jan-22	19:00:00	23-Jan-2219:00	60.1	33.2	71.6	68.0	69.0	68.0	70.0	62.0	34.0	60.0	62.0
23-Jan-22	19:30:00	23-Jan-2219:30	59.5	33.2	71.0	68.0	68.2	68.0	69.4	61.9	34.0	59.5	62.0
23-Jan-22	20:00:00	23-Jan-2220:00	59.5	33.2	71.0	68.0	68.0	67.7	69.2	61.0	34.0	59.6	62.0
23-Jan-22	20:30:00	23-Jan-2220:30	65.6	33.2	74.8	71.7	71.8	69.1	72.0	62.2	34.4	60.3	62.4
23-Jan-22	21:00:00	23-Jan-2221:00	68.6	33.2	78.0	74.7	75.0	70.0	72.5	64.0	35.7	61.1	64.0
23-Jan-22	21:30:00	23-Jan-2221:30	68.6	33.2	78.2	75.2	75.3	70.2	73.0	64.0	36.0	62.0	64.0
23-Jan-22	22:00:00	23-Jan-2222:00	68.6	33.2	79.0	75.1	75.7	71.0	73.0	64.0	36.0	62.0	64.0
23-Jan-22	22:30:00	23-Jan-2222:30	68.6	33.2	79.0	75.7	76.0	71.0	73.3	64.1	36.0	62.0	64.6
23-Jan-22	23:00:00	23-Jan-2223:00	69.1	33.2	79.0	76.0	76.0	71.0	73.7	65.0	36.2	62.0	65.0
23-Jan-22	23:30:00	23-Jan-2223:30	70.6	33.2	79.2	76.0	76.2	71.8	74.0	65.0	37.0	63.0	65.3
24-Jan-22	0:00:00	24-Jan-2200:00	70.6	33.2	79.1	76.0	76.1	71.4	74.0	65.0	37.0	63.0	65.2
24-Jan-22	0:30:00	24-Jan-2200:30	70.6	33.7	79.8	76.5	77.0	72.0	74.0	65.9	37.0	63.4	65.9
24-Jan-22	1:00:00	24-Jan-2201:00	70.6	34.0	79.4	76.7	77.0	72.0	74.7	66.0	37.6	63.1	66.0
24-Jan-22	1:30:00	24-Jan-2201:30	65.0	31.4	78.5	73.6	73.7	71.1	72.5	65.3	35.6	62.9	65.4
24-Jan-22	2:00:00	24-Jan-2202:00	62.0	31.2	73.0	69.7	70.1	69.4	71.3	63.4	36.0	61.2	63.4
24-Jan-22	2:30:00	24-Jan-2202:30	62.0	33.4	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.9	64.0
24-Jan-22	3:00:00	24-Jan-2203:00	62.0	34.2	73.0	70.0	70.6	70.0	71.0	63.3	36.0	61.2	64.0
24-Jan-22	3:30:00	24-Jan-2203:30	62.0	34.2	73.0	70.0	70.0	69.7	71.0	63.0	35.4	61.3	63.4
24-Jan-22	4:00:00	24-Jan-2204:00	61.0	35.1	72.7	69.4	70.0	69.4	71.0	63.0	35.0	61.0	63.0
24-Jan-22	4:30:00	24-Jan-2204:30	60.0	34.4	72.2	69.3	69.5	68.8	70.2	62.7	35.0	60.9	63.0
24-Jan-22	5:00:00	24-Jan-2205:00	60.0	34.6	71.9	68.7	69.0	68.0	70.0	62.0	34.0	60.0	62.0
24-Jan-22	5:30:00	24-Jan-2205:30	62.6	35.1	72.2	69.2	69.7	67.9	70.3	61.2	33.7	59.4	62.9
24-Jan-22	6:00:00	24-Jan-2206:00	67.9	34.4	78.0	74.9	74.7	69.0	72.0	63.0	34.7	60.0	63.0
24-Jan-22	6:30:00	24-Jan-2206:30	67.9	34.0	78.0	74.8	74.5	69.3	72.0	63.0	35.0	60.0	63.0
24-Jan-22	7:00:00	24-Jan-2207:00	67.9	33.2	78.0	74.7	74.3	69.3	72.0	63.5	35.0	60.8	63.0
24-Jan-22	7:30:00	24-Jan-2207:30	67.9	33.2	78.0	74.7	75.3	70.0	72.8	64.0	35.0	60.4	63.6
24-Jan-22	8:00:00	24-Jan-2208:00	67.9	33.4	78.0	74.7	75.0	70.0	72.6	63.7	35.0	61.0	63.6
24-Jan-22	8:30:00	24-Jan-2208:30	67.9	34.8	78.0	74.5	75.0	70.0	72.8	64.0	35.0	61.0	63.3
24-Jan-22	9:00:00	24-Jan-2209:00	67.9	36.8	78.0	75.0	74.7	70.0	72.7	64.0	35.0	61.0	64.0
24-Jan-22	9:30:00	24-Jan-2209:30	69.8	37.1	78.0	74.7	75.0	70.6	73.0	64.0	35.2	61.0	64.0
24-Jan-22	10:00:00	24-Jan-2210:00	70.1	35.8	78.0	75.0	75.5	70.0	73.0	64.0	35.1	61.0	64.0
24-Jan-22	10:30:00	24-Jan-2210:30	70.2	35.1	78.3	75.0	75.0	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	11:00:00	24-Jan-2211:00	70.2	34.1	78.0	75.0	74.7	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	11:30:00	24-Jan-2211:30	70.2	32.2	78.3	75.0	75.3	70.0	73.0	64.0	35.3	61.0	64.0
24-Jan-22	12:00:00	24-Jan-2212:00	69.6	31.9	78.0	74.8	74.2	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	12:30:00	24-Jan-2212:30	68.7	32.6	78.1	74.6	74.9	70.0	73.0	64.0	35.7	61.0	64.0
24-Jan-22	13:00:00	24-Jan-2213:00	68.8	33.3	78.5	75.5	74.7	70.3	73.0	64.6	36.0	61.0	64.0
24-Jan-22	13:30:00	24-Jan-2213:30	68.8	33.8	78.0	74.9	74.7	70.6	73.0	64.5	36.0	61.0	64.0

24-Jan-22	14:00:00	24-Jan-2214:00	68.7	35.0	78.5	75.6	74.9	71.0	73.0	64.6	36.0	61.4	64.0
24-Jan-22	14:30:00	24-Jan-2214:30	68.5	35.1	79.0	76.0	75.7	71.0	73.0	65.0	36.0	62.0	64.5
24-Jan-22	15:00:00	24-Jan-2215:00	68.5	34.6	79.0	75.2	75.7	71.0	73.0	65.0	36.0	62.0	64.7
24-Jan-22	15:30:00	24-Jan-2215:30	68.5	34.2	79.0	75.3	75.4	71.0	73.0	65.0	36.0	61.7	64.7
24-Jan-22	16:00:00	24-Jan-2216:00	68.5	34.2	78.7	75.0	75.0	71.0	73.2	65.0	36.0	62.0	64.7
24-Jan-22	16:30:00	24-Jan-2216:30	68.5	34.2	78.4	75.0	75.6	71.0	74.0	65.0	36.0	62.0	65.0
24-Jan-22	17:00:00	24-Jan-2217:00	68.5	34.2	78.6	75.3	75.0	71.0	73.7	65.0	36.0	62.0	64.7
24-Jan-22	17:30:00	24-Jan-2217:30	68.5	34.2	78.9	75.0	75.0	71.0	73.4	65.0	36.0	62.0	64.7
24-Jan-22	18:00:00	24-Jan-2218:00	68.5	34.2	78.3	74.9	74.6	71.0	73.0	65.0	36.0	62.0	64.5
24-Jan-22	18:30:00	24-Jan-2218:30	63.2	34.2	76.3	71.2	71.1	69.5	70.3	63.2	33.6	60.4	63.2
24-Jan-22	19:00:00	24-Jan-2219:00	60.1	34.2	71.0	67.7	67.6	67.1	69.0	61.0	33.0	58.4	60.7
24-Jan-22	19:30:00	24-Jan-2219:30	60.4	34.2	71.0	67.0	67.5	67.0	69.0	61.0	33.0	58.0	61.0
24-Jan-22	20:00:00	24-Jan-2220:00	59.1	33.9	70.9	67.0	67.3	67.0	69.0	60.5	33.0	58.0	60.3
24-Jan-22	20:30:00	24-Jan-2220:30	58.4	33.2	70.0	66.7	67.0	66.5	68.4	60.0	32.2	58.0	60.3
24-Jan-22	21:00:00	24-Jan-2221:00	63.7	33.2	72.5	69.5	69.6	67.3	70.3	63.4	33.2	58.6	61.6
24-Jan-22	21:30:00	24-Jan-2221:30	67.8	33.6	77.8	74.5	74.0	69.8	72.0	63.4	34.9	60.0	63.0
24-Jan-22	22:00:00	24-Jan-2222:00	67.8	34.2	78.0	75.0	74.9	70.0	72.1	63.8	35.0	60.0	63.0
24-Jan-22	22:30:00	24-Jan-2222:30	67.8	34.1	78.0	75.0	75.0	70.0	73.0	63.9	35.0	61.0	63.6
24-Jan-22	23:00:00	24-Jan-2223:00	67.8	32.3	78.0	75.0	75.0	70.0	72.4	64.0	35.0	61.0	64.0
24-Jan-22	23:30:00	24-Jan-2223:30	67.8	32.2	78.0	75.0	75.0	70.5	73.0	64.0	35.6	61.0	64.0
25-Jan-22	0:00:00	25-Jan-2200:00	67.8	32.4	78.0	75.0	75.4	70.1	73.0	64.0	35.1	61.0	64.0
25-Jan-22	0:30:00	25-Jan-2200:30	69.4	34.1	78.5	75.5	76.0	71.0	73.0	64.3	36.0	61.1	64.0
25-Jan-22	1:00:00	25-Jan-2201:00	69.9	34.2	78.7	75.7	76.0	71.0	73.0	65.0	36.0	61.7	64.0
25-Jan-22	1:30:00	25-Jan-2201:30	69.9	34.7	79.0	76.0	76.0	71.0	73.3	65.0	36.0	62.0	64.9
25-Jan-22	2:00:00	25-Jan-2202:00	69.9	34.3	79.0	76.0	76.0	71.0	74.0	65.0	36.0	62.0	65.0
25-Jan-22	2:30:00	25-Jan-2202:30	69.9	34.2	79.0	76.0	76.0	71.0	74.0	65.0	36.0	62.0	65.0
25-Jan-22	3:00:00	25-Jan-2203:00	69.9	34.2	79.0	76.0	76.6	71.9	73.7	65.0	36.0	62.0	65.0
25-Jan-22	3:30:00	25-Jan-2203:30	69.9	34.2	80.0	76.6	77.0	72.0	74.0	65.0	36.8	62.0	65.0
25-Jan-22	4:00:00	25-Jan-2204:00	69.9	34.2	79.4	76.0	76.1	71.2	74.0	65.0	36.7	62.0	65.0
25-Jan-22	4:30:00	25-Jan-2204:30	64.1	34.2	76.5	73.3	73.7	70.2	72.3	63.6	35.8	59.6	63.7
25-Jan-22	5:00:00	25-Jan-2205:00	60.3	34.2	72.0	69.0	69.0	68.2	70.1	62.1	34.1	60.0	62.1
25-Jan-22	5:30:00	25-Jan-2205:30	60.9	34.2	72.0	69.0	69.4	69.0	70.2	62.1	35.0	61.0	63.0
25-Jan-22	6:00:00	25-Jan-2206:00	59.9	33.4	72.0	68.7	68.5	68.1	70.0	62.3	34.3	60.2	62.3
25-Jan-22	6:30:00	25-Jan-2206:30	59.9	34.2	71.5	68.3	68.8	68.0	70.0	61.7	34.0	60.0	62.0
25-Jan-22	7:00:00	25-Jan-2207:00	59.9	34.2	71.0	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
25-Jan-22	7:30:00	25-Jan-2207:30	59.9	34.2	71.0	68.0	68.3	67.9	69.8	62.0	34.0	60.0	62.0
25-Jan-22	8:00:00	25-Jan-2208:00	59.9	34.2	71.0	67.7	68.0	67.6	69.0	61.6	33.9	59.5	61.9
25-Jan-22	8:30:00	25-Jan-2208:30	59.9	33.3	70.3	67.0	67.0	67.0	69.0	61.0	33.3	59.0	61.0

25-Jan-22	9:00:00	25-Jan-2209:00	63.6	33.5	70.9	69.4	69.5	67.6	70.4	61.3	34.7	59.5	61.2
25-Jan-22	9:30:00	25-Jan-2209:30	67.5	34.2	77.0	74.0	73.3	69.4	72.0	63.3	35.0	61.0	63.0
25-Jan-22	10:00:00	25-Jan-2210:00	68.4	34.2	77.0	73.2	74.7	69.7	72.3	63.0	35.0	61.0	63.3
25-Jan-22	10:30:00	25-Jan-2210:30	69.4	34.2	77.3	74.2	74.3	70.0	72.0	64.0	35.0	61.0	63.7
25-Jan-22	11:00:00	25-Jan-2211:00	69.3	34.5	78.0	74.6	74.1	70.0	72.6	64.0	35.8	61.7	63.4
25-Jan-22	11:30:00	25-Jan-2211:30	69.3	33.9	77.9	74.8	74.7	70.2	72.6	64.0	35.7	62.0	64.3
25-Jan-22	12:00:00	25-Jan-2212:00	69.3	31.5	78.1	74.8	74.8	70.7	73.0	64.6	36.0	62.0	64.0
25-Jan-22	12:30:00	25-Jan-2212:30	69.3	31.4	78.8	75.3	75.0	71.0	73.0	64.9	36.0	62.0	64.9
25-Jan-22	13:00:00	25-Jan-2213:00	69.3	33.2	78.9	75.9	75.5	71.0	73.9	65.0	37.0	62.3	65.0
25-Jan-22	13:30:00	25-Jan-2213:30	69.3	33.2	79.0	76.0	76.0	71.3	73.3	65.0	36.4	62.7	65.0
25-Jan-22	14:00:00	25-Jan-2214:00	69.3	33.2	79.0	76.0	76.0	71.6	74.0	65.3	37.0	63.0	65.0
25-Jan-22	14:30:00	25-Jan-2214:30	69.3	32.3	79.2	76.0	76.2	72.0	74.0	65.9	37.0	63.1	65.0
25-Jan-22	15:00:00	25-Jan-2215:00	69.3	32.4	80.0	76.0	76.1	72.0	74.3	66.0	37.0	63.2	66.0
25-Jan-22	15:30:00	25-Jan-2215:30	69.3	32.2	79.3	76.0	76.0	72.0	74.0	65.7	37.0	63.0	65.5
25-Jan-22	16:00:00	25-Jan-2216:00	63.6	32.8	75.8	72.3	72.2	70.6	72.3	65.6	36.6	62.0	62.9
25-Jan-22	16:30:00	25-Jan-2216:30	61.9	33.2	72.8	69.0	69.6	69.6	71.0	63.3	35.5	61.0	63.7
25-Jan-22	17:00:00	25-Jan-2217:00	61.9	33.2	72.0	69.0	69.0	69.0	71.0	63.0	35.0	61.0	63.0
25-Jan-22	17:30:00	25-Jan-2217:30	61.0	33.2	72.0	68.6	69.0	68.9	70.2	63.0	35.0	60.7	63.0
25-Jan-22	18:00:00	25-Jan-2218:00	59.9	33.2	72.0	68.0	68.2	68.0	70.0	62.0	34.4	60.0	62.4
25-Jan-22	18:30:00	25-Jan-2218:30	59.9	33.2	71.1	68.0	68.0	68.0	69.3	62.0	34.0	60.0	62.0
25-Jan-22	19:00:00	25-Jan-2219:00	59.9	33.2	71.0	67.5	67.2	68.0	69.0	61.1	33.7	59.6	61.7
25-Jan-22	19:30:00	25-Jan-2219:30	64.9	33.2	73.0	69.3	69.3	68.0	70.2	62.4	33.8	59.8	62.0
25-Jan-22	20:00:00	25-Jan-2220:00	68.3	33.6	78.0	74.0	74.3	70.0	72.0	64.0	35.3	61.0	64.0
25-Jan-22	20:30:00	25-Jan-2220:30	68.3	34.2	78.0	74.6	74.9	70.0	72.6	64.0	36.0	61.8	64.0
25-Jan-22	21:00:00	25-Jan-2221:00	68.3	33.3	78.0	75.0	75.0	70.9	73.0	64.0	36.0	62.0	64.0
25-Jan-22	21:30:00	25-Jan-2221:30	68.3	33.2	78.4	75.1	75.1	71.0	73.2	64.6	36.0	62.0	64.8
25-Jan-22	22:00:00	25-Jan-2222:00	68.5	33.5	79.0	75.4	76.0	71.0	73.7	65.0	36.6	63.0	65.0
25-Jan-22	22:30:00	25-Jan-2222:30	70.3	33.2	79.0	76.0	76.1	71.4	74.0	65.0	37.0	63.0	65.0
25-Jan-22	23:00:00	25-Jan-2223:00	70.3	33.2	79.0	76.0	76.7	72.0	74.0	65.3	37.0	63.0	65.0
25-Jan-22	23:30:00	25-Jan-2223:30	70.3	33.6	79.9	76.3	77.0	72.0	74.1	65.8	37.0	63.0	66.0
26-Jan-22	0:00:00	26-Jan-2200:00	70.3	34.2	80.0	76.3	76.4	72.0	74.2	66.0	37.0	63.0	66.0
26-Jan-22	0:30:00	26-Jan-2200:30	70.3	34.2	80.0	76.9	77.0	72.3	74.9	66.0	37.7	63.5	66.0
26-Jan-22	1:00:00	26-Jan-2201:00	66.7	33.3	79.0	76.0	76.0	72.0	74.4	65.4	37.6	61.8	65.5
26-Jan-22	1:30:00	26-Jan-2201:30	62.2	33.4	73.3	70.3	70.6	70.0	71.7	64.0	36.0	62.0	64.0
26-Jan-22	2:00:00	26-Jan-2202:00	62.2	34.7	73.0	70.0	70.6	70.0	71.2	64.0	36.0	62.0	64.0
26-Jan-22	2:30:00	26-Jan-2202:30	62.2	36.1	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
26-Jan-22	3:00:00	26-Jan-2203:00	62.2	36.1	73.0	70.0	70.3	70.0	71.0	64.0	36.0	61.7	64.0
26-Jan-22	3:30:00	26-Jan-2203:30	61.5	36.0	73.0	70.0	70.0	70.0	71.0	63.7	35.7	61.2	64.0

26-Jan-22	4:00:00	26-Jan-2204:00	60.2	33.3	72.7	69.7	70.0	69.3	71.0	63.2	35.2	61.1	63.2
26-Jan-22	4:30:00	26-Jan-2204:30	60.2	33.2	72.5	69.5	70.0	69.0	70.7	63.0	35.0	60.8	63.0
26-Jan-22	5:00:00	26-Jan-2205:00	60.2	33.6	71.6	68.6	68.6	68.3	69.5	61.6	34.3	59.9	61.7
26-Jan-22	5:30:00	26-Jan-2205:30	60.2	36.1	71.0	67.4	67.7	67.2	69.0	61.0	33.0	58.3	61.0
26-Jan-22	6:00:00	26-Jan-2206:00	66.6	35.1	74.5	69.1	65.9	68.4	70.8	62.1	33.8	59.2	62.6
26-Jan-22	6:30:00	26-Jan-2206:30	67.2	34.1	75.5	69.5	64.7	69.0	71.0	63.0	34.3	60.3	62.7
26-Jan-22	7:00:00	26-Jan-2207:00	67.2	33.5	75.4	69.1	64.4	69.0	71.5	63.0	34.0	60.0	63.0
26-Jan-22	7:30:00	26-Jan-2207:30	67.2	34.2	76.0	70.0	65.0	69.0	71.1	63.0	34.3	60.0	63.0
26-Jan-22	8:00:00	26-Jan-2208:00	67.2	33.3	75.6	69.6	65.0	69.0	71.3	63.0	34.6	60.0	63.0
26-Jan-22	8:30:00	26-Jan-2208:30	68.5	33.2	76.5	70.8	70.3	69.5	72.1	63.3	34.9	60.3	63.0
26-Jan-22	9:00:00	26-Jan-2209:00	69.4	32.6	78.0	75.0	75.1	70.0	72.9	64.0	35.0	60.9	63.3
26-Jan-22	9:30:00	26-Jan-2209:30	69.4	33.2	78.0	74.4	74.7	69.4	72.5	63.7	35.0	61.0	63.0
26-Jan-22	10:00:00	26-Jan-2210:00	69.4	33.8	78.0	74.4	75.0	70.0	73.0	64.0	35.0	61.0	63.7
26-Jan-22	10:30:00	26-Jan-2210:30	69.4	34.2	78.1	75.1	75.0	70.0	73.0	64.0	35.0	61.0	64.0
26-Jan-22	11:00:00	26-Jan-2211:00	69.4	34.8	77.9	74.7	74.0	69.8	73.0	64.0	35.4	61.0	64.0
26-Jan-22	11:30:00	26-Jan-2211:30	69.4	35.1	78.4	74.7	72.6	70.3	73.0	64.0	35.7	61.6	64.0
26-Jan-22	12:00:00	26-Jan-2212:00	69.4	32.7	79.0	76.2	75.6	71.2	73.9	64.0	36.9	62.4	64.9
26-Jan-22	12:30:00	26-Jan-2212:30	69.5	32.2	79.0	76.4	76.3	71.4	74.0	64.0	37.0	63.0	65.0
26-Jan-22	13:00:00	26-Jan-2213:00	71.5	33.1	79.7	76.4	77.0	72.0	74.0	64.0	37.0	63.0	65.4
26-Jan-22	13:30:00	26-Jan-2213:30	71.5	34.2	80.0	76.9	77.0	71.7	74.1	64.0	37.0	63.0	65.5
26-Jan-22	14:00:00	26-Jan-2214:00	70.1	34.2	80.0	77.0	77.0	72.0	74.8	64.0	37.2	63.9	66.0
26-Jan-22	14:30:00	26-Jan-2214:30	60.5	34.2	74.2	71.3	71.2	70.4	71.3	64.0	35.9	62.3	64.1
26-Jan-22	15:00:00	26-Jan-2215:00	60.5	34.2	72.7	69.7	69.7	69.4	71.0	64.0	35.0	61.2	63.2
26-Jan-22	15:30:00	26-Jan-2215:30	60.5	34.2	72.0	69.0	69.7	69.0	71.0	64.0	35.0	61.0	63.2
26-Jan-22	16:00:00	26-Jan-2216:00	60.5	34.2	72.0	69.0	69.2	69.0	70.1	64.0	35.0	61.0	63.0
26-Jan-22	16:30:00	26-Jan-2216:30	60.5	34.2	72.0	68.7	69.0	69.0	70.0	64.0	35.0	60.4	63.0
26-Jan-22	17:00:00	26-Jan-2217:00	60.5	34.2	71.2	68.2	68.7	68.5	70.0	64.0	34.4	60.0	62.4
26-Jan-22	17:30:00	26-Jan-2217:30	60.5	34.2	71.6	68.0	68.6	68.0	69.9	64.0	34.0	60.0	62.0
26-Jan-22	18:00:00	26-Jan-2218:00	68.1	34.2	76.1	72.5	72.6	69.6	72.4	64.0	35.8	61.5	63.8
26-Jan-22	18:30:00	26-Jan-2218:30	69.4	34.2	77.6	74.6	74.6	70.0	72.6	64.0	36.0	62.0	64.0
26-Jan-22	19:00:00	26-Jan-2219:00	69.8	34.2	78.0	74.4	74.7	70.0	72.3	64.0	36.0	61.7	63.7
26-Jan-22	19:30:00	26-Jan-2219:30	69.8	34.2	78.0	75.3	75.1	70.6	72.7	64.0	36.0	62.0	64.0
26-Jan-22	20:00:00	26-Jan-2220:00	69.8	34.2	78.0	75.0	75.5	70.3	73.0	64.0	36.0	62.0	64.0
26-Jan-22	20:30:00	26-Jan-2220:30	69.8	34.2	78.3	75.0	75.6	70.6	73.0	64.0	36.0	62.0	64.2
26-Jan-22	21:00:00	26-Jan-2221:00	69.8	33.4	79.0	75.7	76.0	71.0	73.0	64.0	36.3	62.0	65.0
26-Jan-22	21:30:00	26-Jan-2221:30	69.8	33.2	79.0	76.0	76.0	71.3	74.0	64.0	36.1	62.5	65.0
26-Jan-22	22:00:00	26-Jan-2222:00	69.8	32.0	80.0	76.5	77.0	72.0	74.0	64.0	37.0	63.0	65.3
26-Jan-22	22:30:00	26-Jan-2222:30	69.8	31.9	80.0	76.7	77.0	72.0	74.1	64.0	37.1	63.5	66.0

26-Jan-22	23:00:00	26-Jan-2223:00	69.8	32.9	80.0	77.3	77.2	72.4	75.0	64.0	38.0	64.0	66.0
26-Jan-22	23:30:00	26-Jan-2223:30	69.8	33.7	80.0	77.0	77.3	73.0	75.0	64.0	38.0	64.0	66.0
27-Jan-22	0:00:00	27-Jan-2200:00	61.1	34.2	74.9	71.9	72.4	70.9	72.6	64.0	36.4	60.7	64.3
27-Jan-22	0:30:00	27-Jan-2200:30	61.1	34.6	73.0	70.0	70.9	70.0	71.4	64.0	36.0	62.0	64.0
27-Jan-22	1:00:00	27-Jan-2201:00	61.1	35.1	73.0	70.0	70.5	70.0	71.0	64.0	36.0	62.0	64.0
27-Jan-22	1:30:00	27-Jan-2201:30	61.1	34.7	73.0	70.0	70.6	70.0	71.0	64.0	36.0	61.7	64.0
27-Jan-22	2:00:00	27-Jan-2202:00	61.1	33.2	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.1	63.8
27-Jan-22	2:30:00	27-Jan-2202:30	61.1	33.2	73.0	69.7	70.0	70.0	71.0	64.0	36.0	61.0	63.9
27-Jan-22	3:00:00	27-Jan-2203:00	61.1	33.9	73.0	70.0	70.6	69.7	71.0	64.0	35.0	61.0	63.0
27-Jan-22	3:30:00	27-Jan-2203:30	61.1	35.6	73.0	70.0	70.0	69.6	71.0	64.0	35.0	61.0	63.0
27-Jan-22	4:00:00	27-Jan-2204:00	61.1	35.1	72.4	69.4	70.0	69.0	70.6	64.0	35.0	60.8	63.0
27-Jan-22	4:30:00	27-Jan-2204:30	61.1	35.1	72.0	69.3	69.7	69.0	70.0	64.0	35.0	60.6	62.7
27-Jan-22	5:00:00	27-Jan-2205:00	60.0	35.1	72.0	68.7	68.8	67.8	69.6	64.0	33.9	58.9	61.6
27-Jan-22	5:30:00	27-Jan-2205:30	62.4	35.1	72.1	68.8	69.2	67.4	69.7	64.0	33.2	58.2	62.3
27-Jan-22	6:00:00	27-Jan-2206:00	69.1	34.2	77.7	75.0	74.7	69.7	72.0	64.0	35.0	60.0	63.1
27-Jan-22	6:30:00	27-Jan-2206:30	69.1	34.2	77.6	74.8	74.8	69.7	72.0	64.0	35.0	60.0	63.0
27-Jan-22	7:00:00	27-Jan-2207:00	69.1	34.3	77.0	74.6	74.6	70.0	72.0	64.0	35.0	60.5	63.1
27-Jan-22	7:30:00	27-Jan-2207:30	69.1	35.1	78.0	75.0	75.0	70.0	72.3	64.0	35.0	60.7	63.5
27-Jan-22	8:00:00	27-Jan-2208:00	69.1	35.1	78.0	75.0	75.0	70.0	72.6	64.0	35.0	61.0	64.0
27-Jan-22	8:30:00	27-Jan-2208:30	69.1	34.5	78.0	75.0	75.6	70.0	73.0	64.0	35.0	61.0	64.0
27-Jan-22	9:00:00	27-Jan-2209:00	69.1	34.2	78.0	75.0	75.0	70.3	73.0	64.0	35.0	61.0	64.0
27-Jan-22	9:30:00	27-Jan-2209:30	69.1	34.2	78.0	74.4	73.6	70.0	72.6	64.0	35.2	61.0	63.8
27-Jan-22	10:00:00	27-Jan-2210:00	69.2	34.4	79.0	75.4	76.2	70.9	73.6	64.0	35.9	62.0	64.4
27-Jan-22	10:30:00	27-Jan-2210:30	69.2	35.1	79.0	76.0	76.0	70.3	73.7	64.0	36.9	63.0	65.0
27-Jan-22	11:00:00	27-Jan-2211:00	70.1	35.1	79.6	76.0	76.3	71.3	73.4	64.0	36.4	62.7	65.0
27-Jan-22	11:30:00	27-Jan-2211:30	71.3	35.1	79.3	76.0	76.0	71.5	74.0	64.0	37.0	63.0	65.0
27-Jan-22	12:00:00	27-Jan-2212:00	71.3	34.6	79.9	76.3	76.9	71.6	74.0	64.0	37.0	63.0	65.8
27-Jan-22	12:30:00	27-Jan-2212:30	71.3	32.3	79.8	76.8	76.8	71.8	74.0	64.0	37.0	63.3	66.0
27-Jan-22	13:00:00	27-Jan-2213:00	68.9	33.2	79.6	76.6	77.0	71.9	74.3	64.0	37.3	63.5	65.0
27-Jan-22	13:30:00	27-Jan-2213:30	61.7	35.1	73.0	70.0	71.6	69.7	71.6	64.0	36.2	61.1	63.4
27-Jan-22	14:00:00	27-Jan-2214:00	61.7	35.1	72.7	69.4	70.0	69.4	70.9	64.0	35.6	61.0	63.8
27-Jan-22	14:30:00	27-Jan-2214:30	61.6	35.1	72.6	69.9	70.0	68.7	70.6	64.0	35.0	60.7	62.8
27-Jan-22	15:00:00	27-Jan-2215:00	61.7	34.4	72.0	69.0	69.4	69.0	70.0	64.0	35.0	60.7	63.0
27-Jan-22	15:30:00	27-Jan-2215:30	63.4	34.2	72.8	69.4	70.3	69.2	70.7	64.0	35.4	62.5	63.5
27-Jan-22	16:00:00	27-Jan-2216:00	68.7	34.2	78.7	75.6	75.6	71.0	73.1	64.0	36.1	62.5	65.0
27-Jan-22	16:30:00	27-Jan-2216:30	68.7	34.2	78.4	75.3	75.3	71.0	73.0	64.0	36.2	62.0	65.0
27-Jan-22	17:00:00	27-Jan-2217:00	68.7	34.2	78.2	75.0	75.5	71.0	73.0	64.0	36.1	62.2	65.0
27-Jan-22	17:30:00	27-Jan-2217:30	68.7	34.2	79.0	75.6	76.0	71.0	73.0	64.0	37.0	62.9	65.0

27-Jan-22	18:00:00	27-Jan-2218:00	68.7	34.2	78.7	75.2	75.4	71.0	73.3	64.0	37.0	62.0	65.0
27-Jan-22	18:30:00	27-Jan-2218:30	68.7	34.2	78.7	75.6	75.4	71.0	73.9	64.0	37.0	62.8	65.0
27-Jan-22	19:00:00	27-Jan-2219:00	68.7	34.2	79.0	75.4	75.3	71.0	74.0	64.0	37.0	63.0	65.0
27-Jan-22	19:30:00	27-Jan-2219:30	68.7	34.2	79.0	76.0	75.8	71.2	74.0	64.0	37.0	63.0	65.0
27-Jan-22	20:00:00	27-Jan-2220:00	64.0	34.2	76.8	73.5	74.1	70.7	72.7	64.0	36.7	61.5	64.4
27-Jan-22	20:30:00	27-Jan-2220:30	61.0	34.2	73.0	69.0	69.7	69.0	71.0	64.0	35.0	61.0	63.0
27-Jan-22	21:00:00	27-Jan-2221:00	61.0	34.2	72.7	69.0	69.7	69.0	71.0	64.0	35.0	61.0	63.0
27-Jan-22	21:30:00	27-Jan-2221:30	61.0	34.2	72.4	69.0	69.4	69.0	71.0	64.0	35.0	61.0	63.0
27-Jan-22	22:00:00	27-Jan-2222:00	61.0	31.9	72.4	69.0	70.0	69.0	70.4	64.0	35.0	61.0	63.0
27-Jan-22	22:30:00	27-Jan-2222:30	61.0	32.2	72.0	69.0	69.8	69.0	70.0	64.0	35.0	61.0	63.0
27-Jan-22	23:00:00	27-Jan-2223:00	61.0	32.6	72.0	68.7	69.3	69.0	70.0	64.0	35.0	61.0	63.0
27-Jan-22	23:30:00	27-Jan-2223:30	61.0	33.7	72.0	69.0	69.2	69.0	70.0	64.0	35.0	60.6	62.7
28-Jan-22	0:00:00	28-Jan-2200:00	62.8	34.0	72.0	68.4	69.2	68.2	70.2	64.0	34.5	60.0	62.3
28-Jan-22	0:30:00	28-Jan-2200:30	69.4	32.2	77.0	75.9	76.0	71.0	73.5	64.0	36.0	61.9	64.8
28-Jan-22	1:00:00	28-Jan-2201:00	69.4	32.2	79.0	76.0	76.0	71.2	74.0	64.0	36.9	62.7	65.0
28-Jan-22	1:30:00	28-Jan-2201:30	69.4	32.9	79.4	76.1	76.4	72.0	74.2	64.0	37.0	63.0	65.0
28-Jan-22	2:00:00	28-Jan-2202:00	69.4	35.1	80.0	77.0	77.0	72.0	74.4	64.0	37.0	63.0	65.9
28-Jan-22	2:30:00	28-Jan-2202:30	70.0	35.2	80.0	77.0	77.1	72.7	75.0	64.0	37.5	63.9	66.0
28-Jan-22	3:00:00	28-Jan-2203:00	71.4	36.1	80.3	77.5	78.0	73.0	75.0	64.0	38.0	64.0	66.4
28-Jan-22	3:30:00	28-Jan-2203:30	68.0	36.1	81.0	77.3	77.1	72.8	74.5	64.0	37.8	63.9	66.4
28-Jan-22	4:00:00	28-Jan-2204:00	62.2	35.5	74.6	70.2	71.0	70.2	71.7	64.0	36.1	62.0	64.0
28-Jan-22	4:30:00	28-Jan-2204:30	62.2	35.1	73.0	70.0	70.7	69.7	71.2	64.0	36.0	61.7	63.8
28-Jan-22	5:00:00	28-Jan-2205:00	61.0	36.1	72.7	69.7	70.2	68.7	70.7	64.0	34.8	60.5	62.6
28-Jan-22	5:30:00	28-Jan-2205:30	60.0	36.1	72.0	69.0	69.0	68.0	70.0	64.0	34.0	59.1	62.0
28-Jan-22	6:00:00	28-Jan-2206:00	60.0	36.1	71.2	68.2	69.0	67.8	69.4	64.0	33.7	59.0	61.4
28-Jan-22	6:30:00	28-Jan-2206:30	60.0	36.1	71.7	68.4	68.7	68.0	69.8	64.0	34.0	60.8	61.8
28-Jan-22	7:00:00	28-Jan-2207:00	65.3	35.8	73.5	70.8	70.8	68.8	70.2	64.0	34.8	60.5	62.9
28-Jan-22	7:30:00	28-Jan-2207:30	69.8	36.1	79.0	75.4	76.3	71.0	73.5	64.0	36.0	62.0	64.7
28-Jan-22	8:00:00	28-Jan-2208:00	69.8	35.7	79.0	76.0	76.0	71.0	74.0	64.0	36.6	62.8	65.0
28-Jan-22	8:30:00	28-Jan-2208:30	69.8	34.2	79.3	76.0	76.6	71.1	73.7	64.0	36.7	62.7	65.0
28-Jan-22	9:00:00	28-Jan-2209:00	69.8	33.6	79.0	76.0	76.3	71.2	74.0	64.0	37.0	63.0	65.0
28-Jan-22	9:30:00	28-Jan-2209:30	69.8	33.2	79.3	76.0	76.0	72.0	74.0	64.0	37.0	63.0	65.2
28-Jan-22	10:00:00	28-Jan-2210:00	69.9	33.3	79.3	76.0	76.6	71.7	74.0	64.0	37.0	63.0	66.0
28-Jan-22	10:30:00	28-Jan-2210:30	63.4	30.8	77.2	73.9	74.1	71.2	73.2	64.0	36.5	62.1	65.0
28-Jan-22	11:00:00	28-Jan-2211:00	60.4	30.3	73.0	70.0	69.4	69.7	71.0	64.0	36.0	61.0	63.4
28-Jan-22	11:30:00	28-Jan-2211:30	60.3	29.3	72.0	69.1	69.0	69.1	70.6	64.0	35.0	61.0	63.3
28-Jan-22	12:00:00	28-Jan-2212:00	60.1	29.3	72.2	69.2	69.2	69.0	70.6	64.0	35.0	61.0	63.0
28-Jan-22	12:30:00	28-Jan-2212:30	60.1	29.3	72.1	69.1	69.4	69.0	70.6	64.0	35.0	61.0	63.0

28-Jan-22	13:00:00	28-Jan-2213:00	60.1	29.3	72.0	69.0	69.0	69.0	70.0	64.0	35.0	61.0	63.0
28-Jan-22	13:30:00	28-Jan-2213:30	60.1	29.3	72.0	68.4	69.0	68.1	70.0	64.0	34.9	60.2	62.6
28-Jan-22	14:00:00	28-Jan-2214:00	60.1	29.3	72.0	68.3	69.0	68.3	70.0	64.0	34.0	60.0	62.0
28-Jan-22	14:30:00	28-Jan-2214:30	67.0	30.5	75.3	72.1	72.0	69.6	71.8	64.0	35.2	60.0	63.0
28-Jan-22	15:00:00	28-Jan-2215:00	68.4	32.2	78.7	75.0	75.1	71.0	73.0	64.0	36.0	61.8	64.5
28-Jan-22	15:30:00	28-Jan-2215:30	68.4	32.2	79.0	75.5	75.5	71.0	73.3	64.0	36.3	62.7	65.0
28-Jan-22	16:00:00	28-Jan-2216:00	68.4	32.5	79.0	75.1	76.0	71.0	73.7	64.0	36.7	62.7	65.0
28-Jan-22	16:30:00	28-Jan-2216:30	68.4	33.2	79.0	76.0	76.0	71.0	74.0	64.0	37.0	63.0	65.0
28-Jan-22	17:00:00	28-Jan-2217:00	69.6	33.2	79.0	76.0	76.0	71.9	74.0	64.0	37.0	63.0	65.0
28-Jan-22	17:30:00	28-Jan-2217:30	70.5	33.2	79.0	76.0	76.3	72.0	74.0	64.0	37.0	63.0	65.0
28-Jan-22	18:00:00	28-Jan-2218:00	70.5	33.2	79.0	75.7	75.4	72.0	74.0	64.0	37.0	63.0	65.6
28-Jan-22	18:30:00	28-Jan-2218:30	66.1	33.2	78.1	75.1	75.2	72.0	73.6	64.0	36.8	62.3	65.0
28-Jan-22	19:00:00	28-Jan-2219:00	60.6	33.2	73.0	69.4	69.6	70.1	71.0	64.0	35.4	61.0	63.7
28-Jan-22	19:30:00	28-Jan-2219:30	60.6	33.2	72.6	69.3	69.7	69.0	71.0	64.0	35.0	61.0	63.2
28-Jan-22	20:00:00	28-Jan-2220:00	60.6	33.2	72.0	69.0	69.7	69.0	70.1	64.0	35.0	60.5	63.0
28-Jan-22	20:30:00	28-Jan-2220:30	60.6	33.2	72.0	68.7	69.0	68.4	70.0	64.0	34.8	60.0	62.2
28-Jan-22	21:00:00	28-Jan-2221:00	60.6	33.2	72.0	68.5	69.0	68.2	70.0	64.0	34.6	60.3	62.0
28-Jan-22	21:30:00	28-Jan-2221:30	62.9	33.2	72.4	68.9	69.0	68.1	70.3	64.0	34.3	60.0	62.3
28-Jan-22	22:00:00	28-Jan-2222:00	69.0	33.2	79.0	75.5	74.4	71.0	73.0	64.0	36.0	62.0	64.0
28-Jan-22	22:30:00	28-Jan-2222:30	69.0	33.2	79.0	75.7	76.3	71.0	73.7	64.0	36.3	62.0	64.7
28-Jan-22	23:00:00	28-Jan-2223:00	69.0	33.2	79.0	76.0	76.0	71.0	73.7	64.0	36.5	62.9	65.0
28-Jan-22	23:30:00	28-Jan-2223:30	69.3	33.2	79.6	76.3	76.3	71.9	74.0	64.0	37.0	63.0	65.1
29-Jan-22	0:00:00	29-Jan-2200:00	71.0	33.2	79.7	76.4	76.7	72.0	74.0	64.0	37.0	63.0	65.4
29-Jan-22	0:30:00	29-Jan-2200:30	71.0	33.2	80.0	77.0	77.0	72.3	74.3	64.0	37.3	63.2	66.0
29-Jan-22	1:00:00	29-Jan-2201:00	71.0	33.2	80.0	77.0	77.0	72.4	75.0	64.0	38.0	64.0	66.0
29-Jan-22	1:30:00	29-Jan-2201:30	66.6	32.4	80.5	75.6	75.5	72.5	74.0	64.0	37.9	63.6	65.1
29-Jan-22	2:00:00	29-Jan-2202:00	61.4	31.2	73.8	70.6	71.0	70.6	72.0	64.0	37.0	62.0	64.2
29-Jan-22	2:30:00	29-Jan-2202:30	61.4	31.2	73.6	70.3	70.7	70.0	72.0	64.0	36.1	62.0	64.0
29-Jan-22	3:00:00	29-Jan-2203:00	61.4	32.1	74.0	70.6	71.0	70.3	71.8	64.0	36.0	62.0	64.0
29-Jan-22	3:30:00	29-Jan-2203:30	61.4	35.1	73.4	70.0	71.0	70.0	71.6	64.0	35.9	61.6	63.9
29-Jan-22	4:00:00	29-Jan-2204:00	61.4	34.6	72.6	69.0	70.0	69.0	71.0	64.0	35.0	60.0	63.0
29-Jan-22	4:30:00	29-Jan-2204:30	61.4	34.2	72.3	69.3	70.0	69.0	70.4	64.0	35.0	60.0	62.3
29-Jan-22	5:00:00	29-Jan-2205:00	61.4	34.9	72.0	69.0	69.0	68.3	70.0	64.0	34.2	60.0	62.0
29-Jan-22	5:30:00	29-Jan-2205:30	61.4	35.6	72.0	69.0	69.0	68.0	70.0	64.0	34.0	59.8	62.0
29-Jan-22	6:00:00	29-Jan-2206:00	60.6	36.1	72.0	68.9	69.0	68.0	69.8	64.0	34.0	59.0	62.0
29-Jan-22	6:30:00	29-Jan-2206:30	68.9	35.7	77.0	73.0	72.4	70.5	72.3	64.0	35.5	60.4	64.5
29-Jan-22	7:00:00	29-Jan-2207:00	68.8	35.1	78.0	74.3	73.0	71.0	73.0	64.0	36.0	62.0	65.0
29-Jan-22	7:30:00	29-Jan-2207:30	68.8	28.3	78.0	74.0	73.0	71.0	73.0	64.0	36.3	62.0	65.0

29-Jan-22	8:00:00	29-Jan-2208:00	68.8	29.1	78.0	74.0	73.0	71.0	73.0	64.0	36.8	62.6	65.0
29-Jan-22	8:30:00	29-Jan-2208:30	68.8	29.1	78.0	74.0	72.5	71.0	73.9	64.0	37.0	63.0	65.0
29-Jan-22	9:00:00	29-Jan-2209:00	68.8	29.1	78.0	74.0	72.9	71.0	74.0	64.0	37.0	63.0	65.0
29-Jan-22	9:30:00	29-Jan-2209:30	68.8	29.6	78.0	74.0	73.0	71.5	74.0	64.0	37.0	63.0	65.0
29-Jan-22	10:00:00	29-Jan-2210:00	68.8	30.1	78.0	74.0	73.0	72.0	74.0	64.0	37.0	63.0	65.1
29-Jan-22	10:30:00	29-Jan-2210:30	60.6	29.0	74.2	70.0	70.4	70.2	71.7	64.0	35.4	62.3	63.5
29-Jan-22	11:00:00	29-Jan-2211:00	60.9	29.0	72.0	68.0	66.4	69.0	70.7	64.0	35.0	61.0	63.0
29-Jan-22	11:30:00	29-Jan-2211:30	60.9	29.0	72.0	67.7	66.9	69.0	70.3	64.0	35.0	61.0	63.0
29-Jan-22	12:00:00	29-Jan-2212:00	60.9	28.5	72.0	67.5	66.2	69.0	70.0	64.0	35.0	61.0	62.7
29-Jan-22	12:30:00	29-Jan-2212:30	60.9	28.0	71.4	67.3	66.4	68.7	70.0	64.0	34.6	60.5	62.3
29-Jan-22	13:00:00	29-Jan-2213:00	60.9	28.0	71.0	67.0	66.0	68.0	70.0	64.0	34.0	60.0	62.0
29-Jan-22	13:30:00	29-Jan-2213:30	61.2	28.0	71.0	67.0	66.0	68.0	70.1	64.0	34.1	60.0	62.2
29-Jan-22	14:00:00	29-Jan-2214:00	68.1	28.3	77.8	73.2	71.9	70.3	73.0	64.0	36.0	61.8	64.0
29-Jan-22	14:30:00	29-Jan-2214:30	68.1	29.0	77.5	73.2	72.0	70.2	72.4	64.0	36.0	62.0	64.0
29-Jan-22	15:00:00	29-Jan-2215:00	68.1	29.0	77.7	73.6	71.8	70.6	72.7	64.0	36.0	62.0	64.8
29-Jan-22	15:30:00	29-Jan-2215:30	68.1	29.0	78.0	74.0	72.8	71.0	73.0	64.0	36.3	62.0	65.0
29-Jan-22	16:00:00	29-Jan-2216:00	68.1	29.0	78.0	74.0	72.3	71.0	73.3	64.0	37.0	62.5	65.0
29-Jan-22	16:30:00	29-Jan-2216:30	68.1	29.0	78.0	74.0	73.0	71.0	73.8	64.0	37.0	63.0	65.0
29-Jan-22	17:00:00	29-Jan-2217:00	68.1	29.7	78.3	74.6	73.0	71.6	74.0	64.0	37.0	63.0	65.0
29-Jan-22	17:30:00	29-Jan-2217:30	68.1	29.9	78.9	74.3	73.0	71.7	74.0	64.0	37.0	63.0	65.0
29-Jan-22	18:00:00	29-Jan-2218:00	69.9	29.9	78.0	74.0	73.0	72.0	74.0	64.0	37.0	63.0	65.0
29-Jan-22	18:30:00	29-Jan-2218:30	70.1	29.9	78.3	74.3	73.0	72.0	73.8	64.0	37.0	63.0	65.0
29-Jan-22	19:00:00	29-Jan-2219:00	64.0	29.3	74.6	70.3	69.3	70.2	71.0	64.0	36.4	61.8	64.3
29-Jan-22	19:30:00	29-Jan-2219:30	61.2	28.9	71.3	67.3	66.0	68.4	70.0	64.0	34.7	60.1	62.2
29-Jan-22	20:00:00	29-Jan-2220:00	59.8	28.1	71.0	67.0	66.0	68.2	70.0	64.0	34.1	60.0	62.0
29-Jan-22	20:30:00	29-Jan-2220:30	59.1	27.9	71.0	67.0	66.0	68.0	70.0	64.0	34.0	60.0	62.0
29-Jan-22	21:00:00	29-Jan-2221:00	59.1	27.9	71.0	67.0	65.7	68.0	69.1	64.0	34.0	60.0	62.0
29-Jan-22	21:30:00	29-Jan-2221:30	64.0	27.3	73.1	69.1	68.1	68.7	70.2	64.0	34.4	60.0	62.5
29-Jan-22	22:00:00	29-Jan-2222:00	67.8	26.8	77.0	73.0	72.0	70.0	72.5	64.0	35.5	62.0	63.9
29-Jan-22	22:30:00	29-Jan-2222:30	67.8	26.8	77.9	73.6	72.3	70.6	73.0	64.0	36.0	62.0	64.0
29-Jan-22	23:00:00	29-Jan-2223:00	67.8	26.8	78.0	73.5	72.2	70.7	73.0	64.0	36.0	62.0	64.0
29-Jan-22	23:30:00	29-Jan-2223:30	68.3	28.5	78.0	73.9	72.0	71.0	73.0	64.0	36.0	62.0	64.7
30-Jan-22	0:00:00	30-Jan-2200:00	69.7	28.9	78.0	74.0	73.0	71.0	73.0	64.0	36.2	62.4	65.0
30-Jan-22	0:30:00	30-Jan-2200:30	69.7	29.0	78.3	74.0	73.0	71.0	73.1	64.0	37.0	63.0	65.0
30-Jan-22	1:00:00	30-Jan-2201:00	69.7	29.9	79.0	75.0	73.0	71.7	74.0	64.0	37.0	63.0	65.0
30-Jan-22	1:30:00	30-Jan-2201:30	69.7	29.9	79.0	75.0	73.3	72.0	74.0	64.0	37.0	63.0	65.7
30-Jan-22	2:00:00	30-Jan-2202:00	69.7	29.9	79.0	75.0	74.0	72.0	74.0	64.0	37.3	63.0	66.0
30-Jan-22	2:30:00	30-Jan-2202:30	69.7	29.9	79.2	75.2	74.2	72.3	74.9	64.0	37.9	64.0	66.0

30-Jan-22	3:00:00	30-Jan-2203:00	67.4	30.1	79.7	75.8	74.7	72.5	74.7	64.0	37.8	64.0	65.7
30-Jan-22	3:30:00	30-Jan-2203:30	60.8	29.2	72.5	68.5	67.8	69.6	71.5	64.0	35.5	62.0	63.4
30-Jan-22	4:00:00	30-Jan-2204:00	60.1	28.8	72.0	68.0	67.0	69.3	70.7	64.0	35.1	60.7	63.1
30-Jan-22	4:30:00	30-Jan-2204:30	60.1	28.8	72.0	68.5	67.5	69.4	71.0	64.0	35.2	61.1	63.2
30-Jan-22	5:00:00	30-Jan-2205:00	60.1	28.8	72.0	68.1	67.0	69.4	70.1	64.0	35.0	61.0	63.0
30-Jan-22	5:30:00	30-Jan-2205:30	60.1	27.9	71.6	67.3	66.6	68.3	69.4	64.0	34.2	59.1	61.9
30-Jan-22	6:00:00	30-Jan-2206:00	60.1	27.8	71.0	67.0	66.0	68.0	69.7	64.0	33.4	59.3	61.4
30-Jan-22	6:30:00	30-Jan-2206:30	65.6	28.3	73.7	69.7	68.9	69.1	71.3	64.0	34.9	60.7	62.7
30-Jan-22	7:00:00	30-Jan-2207:00	69.3	28.8	78.0	74.0	72.0	71.0	73.0	64.0	36.0	62.0	64.0
30-Jan-22	7:30:00	30-Jan-2207:30	69.3	28.8	78.0	73.9	71.9	71.0	73.0	64.0	36.0	62.0	64.0
30-Jan-22	8:00:00	30-Jan-2208:00	69.3	28.8	77.8	73.0	71.3	71.0	73.0	64.0	36.0	62.0	64.3
30-Jan-22	8:30:00	30-Jan-2208:30	69.3	28.8	77.9	73.0	71.9	71.0	73.0	64.0	36.0	62.0	64.5
30-Jan-22	9:00:00	30-Jan-2209:00	69.3	28.8	78.0	73.6	71.3	71.0	73.0	64.0	36.0	62.0	65.0
30-Jan-22	9:30:00	30-Jan-2209:30	69.3	28.8	78.0	73.6	71.6	71.0	73.0	64.0	36.6	62.0	64.7
30-Jan-22	10:00:00	30-Jan-2210:00	69.3	28.8	78.0	73.4	71.7	71.0	73.0	64.0	36.0	62.6	64.7
30-Jan-22	10:30:00	30-Jan-2210:30	69.3	28.8	78.0	73.7	72.0	71.0	73.0	64.0	36.3	62.0	65.0
30-Jan-22	11:00:00	30-Jan-2211:00	69.3	28.8	78.0	73.7	71.8	71.0	73.3	64.0	36.8	62.3	64.8
30-Jan-22	11:30:00	30-Jan-2211:30	69.3	29.0	78.0	74.0	71.6	71.0	73.0	64.0	36.9	63.0	64.9
30-Jan-22	12:00:00	30-Jan-2212:00	69.3	29.8	78.0	74.0	72.0	71.0	73.1	64.0	37.0	63.0	65.0
30-Jan-22	12:30:00	30-Jan-2212:30	69.3	29.8	78.0	74.0	72.0	71.0	74.0	64.0	37.0	63.0	65.0
30-Jan-22	13:00:00	30-Jan-2213:00	69.3	29.8	78.0	74.0	72.3	71.6	74.0	64.0	37.0	63.0	65.0
30-Jan-22	13:30:00	30-Jan-2213:30	65.7	29.4	77.9	73.3	71.3	71.4	74.0	64.0	36.6	62.3	64.6
30-Jan-22	14:00:00	30-Jan-2214:00	60.0	28.8	72.0	68.0	66.3	69.0	71.3	64.0	35.0	61.0	63.0
30-Jan-22	14:30:00	30-Jan-2214:30	60.0	28.8	72.0	67.7	66.3	69.0	70.0	64.0	35.0	61.0	63.0
30-Jan-22	15:00:00	30-Jan-2215:00	60.0	28.6	71.8	67.2	66.0	69.0	70.0	64.0	34.7	60.0	62.4
30-Jan-22	15:30:00	30-Jan-2215:30	60.0	27.8	71.0	67.0	66.0	68.1	70.0	64.0	34.3	60.0	62.2
30-Jan-22	16:00:00	30-Jan-2216:00	60.0	27.8	71.0	67.0	65.8	68.0	69.7	64.0	34.0	60.0	62.0
30-Jan-22	16:30:00	30-Jan-2216:30	65.2	27.8	72.7	68.6	67.0	68.6	70.1	64.0	34.5	60.5	62.3
30-Jan-22	17:00:00	30-Jan-2217:00	68.2	27.8	77.3	73.3	72.6	70.0	72.2	64.0	35.7	61.7	64.0
30-Jan-22	17:30:00	30-Jan-2217:30	69.0	28.8	77.9	73.9	74.1	70.0	73.0	64.0	36.0	62.0	64.0
30-Jan-22	18:00:00	30-Jan-2218:00	70.2	28.8	78.0	74.3	75.3	70.6	73.0	64.0	36.0	62.0	64.0
30-Jan-22	18:30:00	30-Jan-2218:30	70.2	28.8	78.3	74.6	75.5	70.6	73.0	64.0	36.0	62.0	64.0
30-Jan-22	19:00:00	30-Jan-2219:00	70.2	28.8	78.0	75.0	75.1	70.4	73.0	64.0	36.0	62.0	64.0
30-Jan-22	19:30:00	30-Jan-2219:30	70.2	28.8	78.3	75.0	75.1	70.7	73.0	64.0	36.0	62.0	64.3
30-Jan-22	20:00:00	30-Jan-2220:00	70.2	28.8	78.6	75.0	75.4	71.0	73.0	64.0	36.0	62.0	64.5
30-Jan-22	20:30:00	30-Jan-2220:30	70.2	28.8	78.3	75.0	76.0	71.0	73.0	64.0	36.0	62.2	64.7
30-Jan-22	21:00:00	30-Jan-2221:00	70.2	28.8	79.0	75.7	75.9	71.0	73.0	64.0	37.0	62.1	65.0
30-Jan-22	21:30:00	30-Jan-2221:30	70.2	29.8	79.0	75.8	75.8	71.0	73.9	64.0	37.0	63.0	65.0

30-Jan-22	22:00:00	30-Jan-2222:00	70.2	29.8	79.0	76.0	76.4	71.7	74.0	64.0	37.0	63.0	65.2
30-Jan-22	22:30:00	30-Jan-2222:30	70.2	29.8	79.8	76.5	77.0	72.0	74.0	64.0	37.0	63.0	65.7
30-Jan-22	23:00:00	30-Jan-2223:00	70.2	29.2	79.6	76.3	77.0	72.0	74.0	64.0	37.0	63.0	66.0
30-Jan-22	23:30:00	30-Jan-2223:30	65.8	28.4	78.2	75.2	75.1	71.6	73.1	64.0	36.7	60.9	65.4
31-Jan-22	0:00:00	31-Jan-2200:00	61.5	27.8	73.0	69.6	69.7	69.4	71.0	64.0	35.3	61.1	63.2
31-Jan-22	0:30:00	31-Jan-2200:30	61.5	27.8	73.0	69.4	70.0	69.4	71.0	64.0	35.0	61.0	63.0
31-Jan-22	1:00:00	31-Jan-2201:00	61.5	27.7	72.2	69.7	70.0	69.2	71.0	64.0	35.0	61.0	63.0
31-Jan-22	1:30:00	31-Jan-2201:30	61.5	27.8	72.0	69.0	70.0	69.1	71.0	64.0	35.0	61.0	63.0
31-Jan-22	2:00:00	31-Jan-2202:00	61.5	27.8	72.0	69.3	70.0	69.2	70.7	64.0	35.0	61.0	63.0
31-Jan-22	2:30:00	31-Jan-2202:30	61.5	27.8	72.0	69.0	70.0	69.0	70.0	64.0	35.0	61.0	63.0
31-Jan-22	3:00:00	31-Jan-2203:00	67.9	28.8	76.1	73.1	73.9	70.5	72.6	64.0	36.8	61.9	63.1
31-Jan-22	3:30:00	31-Jan-2203:30	71.1	29.8	80.0	76.7	77.9	72.0	74.3	64.0	37.0	63.0	65.6
31-Jan-22	4:00:00	31-Jan-2204:00	71.1	29.8	79.7	77.0	76.7	72.0	74.0	64.0	37.0	63.0	65.0
31-Jan-22	4:30:00	31-Jan-2204:30	71.1	29.8	80.0	77.0	77.3	72.0	74.0	64.0	37.0	63.0	65.0
31-Jan-22	5:00:00	31-Jan-2205:00	71.1	29.8	79.2	76.5	77.0	71.6	74.0	64.0	36.8	62.6	64.7
31-Jan-22	5:30:00	31-Jan-2205:30	71.1	29.8	79.0	76.0	76.4	71.0	73.6	64.0	36.0	62.0	64.0
31-Jan-22	6:00:00	31-Jan-2206:00	71.1	29.8	79.0	76.0	76.3	71.0	73.2	64.0	36.0	61.7	64.0
31-Jan-22	6:30:00	31-Jan-2206:30	71.1	29.8	79.0	76.0	76.0	70.8	73.2	64.0	36.0	61.3	64.1
31-Jan-22	7:00:00	31-Jan-2207:00	71.1	29.8	79.0	75.9	76.4	71.0	73.8	64.0	36.0	61.9	64.5
31-Jan-22	7:30:00	31-Jan-2207:30	71.1	29.8	79.0	75.8	76.5	71.0	73.9	64.0	36.0	62.0	64.3
31-Jan-22	8:00:00	31-Jan-2208:00	71.1	29.8	79.0	76.0	77.0	71.0	74.0	64.0	36.3	62.0	65.0
31-Jan-22	8:30:00	31-Jan-2208:30	62.7	29.0	75.2	72.2	72.6	70.0	71.6	64.0	34.8	60.3	63.0
31-Jan-22	9:00:00	31-Jan-2209:00	59.5	27.9	71.7	68.3	68.6	66.3	70.0	64.0	34.0	59.3	61.5
31-Jan-22	9:30:00	31-Jan-2209:30	59.5	27.8	72.0	68.5	68.5	68.0	70.0	64.0	34.0	59.3	61.6
31-Jan-22	10:00:00	31-Jan-2210:00	59.0	27.5	71.0	68.1	68.0	66.8	69.7	64.0	32.9	58.2	60.7
31-Jan-22	10:30:00	31-Jan-2210:30	59.0	26.8	70.2	67.2	67.2	67.0	68.8	64.0	32.9	58.0	60.7
31-Jan-22	11:00:00	31-Jan-2211:00	60.2	26.8	70.2	67.4	67.4	67.0	68.9	64.0	32.9	58.3	60.6
31-Jan-22	11:30:00	31-Jan-2211:30	68.0	27.9	79.3	76.9	73.0	68.5	71.1	64.0	34.0	59.8	62.4
31-Jan-22	12:00:00	31-Jan-2212:00	68.3	27.9	77.6	74.0	75.3	69.2	72.0	64.0	34.7	60.0	63.0
31-Jan-22	12:30:00	31-Jan-2212:30	69.1	27.9	77.7	74.4	74.7	69.4	72.0	64.0	34.4	60.6	63.0
31-Jan-22	13:00:00	31-Jan-2213:00	67.9	27.9	78.0	75.0	75.0	70.0	72.6	64.0	35.0	60.3	63.3
31-Jan-22	13:30:00	31-Jan-2213:30	67.9	27.9	78.0	74.9	75.0	70.0	72.7	64.0	35.0	60.9	63.5
31-Jan-22	14:00:00	31-Jan-2214:00	67.9	27.9	78.0	74.8	74.7	69.7	72.4	64.0	35.0	61.0	64.0
31-Jan-22	14:30:00	31-Jan-2214:30	69.6	28.0	78.0	75.0	75.0	68.8	72.4	64.0	35.0	61.8	63.4
31-Jan-22	15:00:00	31-Jan-2215:00	70.0	28.8	78.4	75.0	75.5	70.1	73.0	64.0	35.0	61.1	64.0
31-Jan-22	15:30:00	31-Jan-2215:30	70.0	28.8	78.1	75.0	75.4	70.4	73.0	64.0	35.0	61.0	64.0
31-Jan-22	16:00:00	31-Jan-2216:00	70.0	28.8	78.0	75.0	75.1	70.3	73.0	64.0	35.0	61.0	64.0
31-Jan-22	16:30:00	31-Jan-2216:30	70.0	28.8	78.0	75.0	75.5	70.0	73.0	64.0	35.0	61.0	64.0

31-Jan-22	17:00:00	31-Jan-2217:00	70.0	28.8	78.0	75.0	75.3	70.0	73.0	64.0	35.0	61.0	64.0
31-Jan-22	17:30:00	31-Jan-2217:30	70.0	28.8	78.0	75.0	75.0	70.3	73.0	64.0	35.3	61.0	64.0
31-Jan-22	18:00:00	31-Jan-2218:00	70.0	28.8	78.0	74.4	74.3	70.0	73.0	64.0	35.0	61.0	64.0
31-Jan-22	18:30:00	31-Jan-2218:30	70.0	28.8	78.0	74.5	74.5	70.0	72.4	64.0	35.0	61.0	64.0
31-Jan-22	19:00:00	31-Jan-2219:00	70.0	28.8	78.0	74.7	74.4	70.0	72.3	64.0	35.0	61.0	64.0
31-Jan-22	19:30:00	31-Jan-2219:30	70.0	28.8	78.0	74.5	74.7	70.0	72.0	64.0	35.0	61.0	63.7
31-Jan-22	20:00:00	31-Jan-2220:00	70.0	28.8	78.0	74.7	75.0	70.0	72.7	64.0	35.0	61.0	64.0
31-Jan-22	20:30:00	31-Jan-2220:30	70.0	28.8	78.0	75.0	75.0	70.3	73.0	64.0	35.6	61.0	64.0
31-Jan-22	21:00:00	31-Jan-2221:00	70.0	28.8	78.6	75.0	75.6	70.3	73.0	64.0	36.0	61.0	64.0
31-Jan-22	21:30:00	31-Jan-2221:30	70.0	28.8	79.0	75.5	75.8	71.0	73.0	64.0	36.0	61.4	64.0
31-Jan-22	22:00:00	31-Jan-2222:00	70.0	28.8	79.0	76.0	76.2	71.0	73.4	64.0	36.0	62.0	64.1
31-Jan-22	22:30:00	31-Jan-2222:30	70.0	29.1	79.0	76.0	76.7	71.0	74.0	64.0	36.0	62.0	65.0
31-Jan-22	23:00:00	31-Jan-2223:00	70.0	29.7	79.0	76.0	76.4	71.0	74.0	64.0	36.0	62.0	65.0
31-Jan-22	23:30:00	31-Jan-2223:30	70.0	28.8	79.0	76.0	76.0	71.0	74.0	64.0	36.0	62.0	65.0
1-Feb-22	0:00:00	01-Feb-2200:00	70.0	28.8	79.0	76.0	76.0	71.0	74.0	64.0	36.0	62.0	65.0
1-Feb-22	0:30:00	01-Feb-2200:30	70.0	28.8	79.0	76.0	76.4	71.4	74.0	64.0	36.2	62.0	65.0
1-Feb-22	1:00:00	01-Feb-2201:00	70.0	29.1	79.2	76.0	76.4	72.0	74.0	64.0	37.0	62.0	65.0
1-Feb-22	1:30:00	01-Feb-2201:30	67.4	29.6	79.3	76.3	76.3	71.9	73.5	64.0	36.7	62.8	64.8
1-Feb-22	2:00:00	01-Feb-2202:00	61.5	28.8	73.0	70.0	70.0	69.5	71.0	64.0	35.0	60.9	63.1
1-Feb-22	2:30:00	01-Feb-2202:30	61.5	28.8	72.9	69.6	70.0	69.0	71.0	64.0	35.0	60.6	63.0
1-Feb-22	3:00:00	01-Feb-2203:00	61.5	28.8	72.3	69.6	70.0	69.0	70.8	64.0	34.8	60.0	62.7
1-Feb-22	3:30:00	01-Feb-2203:30	61.5	28.8	72.0	69.0	70.0	69.0	70.0	64.0	34.0	60.0	62.3
1-Feb-22	4:00:00	01-Feb-2204:00	61.0	28.0	72.0	69.0	69.6	68.3	70.0	64.0	34.0	59.4	62.0
1-Feb-22	4:30:00	01-Feb-2204:30	67.6	28.6	72.8	72.4	72.8	69.0	70.9	64.0	34.9	60.2	63.3
1-Feb-22	5:00:00	01-Feb-2205:00	69.0	28.8	78.4	75.1	76.0	70.0	73.0	64.0	35.4	61.3	64.3
1-Feb-22	5:30:00	01-Feb-2205:30	69.0	28.8	79.0	75.7	76.0	71.0	73.0	64.0	36.0	62.0	64.6
1-Feb-22	6:00:00	01-Feb-2206:00	69.0	28.8	79.0	76.0	76.0	71.0	73.1	64.0	36.7	62.6	65.0
1-Feb-22	6:30:00	01-Feb-2206:30	69.0	29.0	79.0	76.0	75.7	71.0	73.4	64.0	36.7	62.0	65.0
1-Feb-22	7:00:00	01-Feb-2207:00	69.0	29.8	79.0	75.7	76.0	71.0	74.0	64.0	37.0	62.5	65.0
1-Feb-22	7:30:00	01-Feb-2207:30	69.0	29.8	79.0	76.0	76.3	71.0	74.0	64.0	37.0	63.3	65.0
1-Feb-22	8:00:00	01-Feb-2208:00	70.8	29.8	79.3	75.7	76.0	71.3	74.0	64.0	37.0	63.0	65.0
1-Feb-22	8:30:00	01-Feb-2208:30	68.4	29.8	78.8	75.4	76.4	72.3	74.0	64.0	37.0	62.2	65.0
1-Feb-22	9:00:00	01-Feb-2209:00	61.2	28.8	73.8	70.7	70.5	70.5	71.3	64.0	35.8	60.6	63.3
1-Feb-22	9:30:00	01-Feb-2209:30	61.0	28.8	71.8	68.7	69.7	68.4	71.0	64.0	35.0	61.6	62.8
1-Feb-22	10:00:00	01-Feb-2210:00	61.1	28.8	72.5	69.0	69.2	69.2	70.5	64.0	35.0	61.0	63.0
1-Feb-22	10:30:00	01-Feb-2210:30	61.1	28.8	72.0	69.0	69.3	68.7	70.6	64.0	35.0	60.5	62.6
1-Feb-22	11:00:00	01-Feb-2211:00	60.1	28.0	71.7	68.6	69.0	68.4	69.7	64.0	34.1	60.3	62.0
1-Feb-22	11:30:00	01-Feb-2211:30	59.8	27.9	72.0	67.4	68.1	68.2	69.7	64.0	34.1	60.0	62.0

1-Feb-22	12:00:00	01-Feb-2212:00	60.3	27.9	71.1	67.6	68.3	68.0	69.3	64.0	34.0	60.0	62.0
1-Feb-22	12:30:00	01-Feb-2212:30	60.0	27.9	71.0	68.3	68.3	67.7	69.0	64.0	33.7	59.7	62.0
1-Feb-22	13:00:00	01-Feb-2213:00	60.0	27.2	71.0	68.0	68.0	68.0	69.3	64.0	34.0	59.0	62.0
1-Feb-22	13:30:00	01-Feb-2213:30	59.8	26.9	71.0	68.0	67.7	67.4	68.6	64.0	33.7	59.3	62.0
1-Feb-22	14:00:00	01-Feb-2214:00	58.4	26.9	71.0	67.3	67.9	67.6	68.8	64.0	33.5	59.0	62.0
1-Feb-22	14:30:00	01-Feb-2214:30	67.6	27.8	76.4	70.7	73.2	69.2	71.5	64.0	34.7	60.4	62.0
1-Feb-22	15:00:00	01-Feb-2215:00	67.6	27.9	78.0	75.0	75.0	70.0	72.3	64.0	35.0	61.0	62.0
1-Feb-22	15:30:00	01-Feb-2215:30	67.6	27.9	78.0	75.0	75.0	70.3	72.3	64.0	35.4	61.0	62.0
1-Feb-22	16:00:00	01-Feb-2216:00	68.2	27.9	78.0	75.0	75.0	70.5	72.5	64.0	35.4	61.1	62.0
1-Feb-22	16:30:00	01-Feb-2216:30	69.6	27.9	78.0	75.0	75.3	70.2	73.0	64.0	36.0	62.0	62.0
1-Feb-22	17:00:00	01-Feb-2217:00	69.6	28.3	78.0	75.0	75.0	70.1	73.0	64.0	35.6	62.0	62.0
1-Feb-22	17:30:00	01-Feb-2217:30	69.6	28.9	78.0	75.0	75.0	70.5	73.0	64.0	35.8	62.0	62.0
1-Feb-22	18:00:00	01-Feb-2218:00	69.6	28.9	78.0	75.0	75.0	70.9	73.0	64.0	36.0	62.0	62.0
1-Feb-22	18:30:00	01-Feb-2218:30	69.6	28.9	78.0	74.3	74.9	70.6	73.0	64.0	36.0	62.0	62.0
1-Feb-22	19:00:00	01-Feb-2219:00	69.6	28.9	78.0	74.5	74.3	70.0	73.0	64.0	36.0	61.7	62.0
1-Feb-22	19:30:00	01-Feb-2219:30	69.6	28.9	78.0	75.0	74.9	70.3	73.0	64.0	36.0	61.7	62.0
1-Feb-22	20:00:00	01-Feb-2220:00	69.6	28.9	78.0	75.0	75.0	70.0	73.0	64.0	36.0	62.0	62.0
1-Feb-22	20:30:00	01-Feb-2220:30	69.6	28.9	78.0	75.0	75.6	70.3	73.0	64.0	36.0	62.0	62.0
1-Feb-22	21:00:00	01-Feb-2221:00	69.6	28.9	78.7	75.3	76.0	71.0	73.3	64.0	36.0	62.0	62.0
1-Feb-22	21:30:00	01-Feb-2221:30	69.6	29.3	79.0	75.8	76.0	71.0	73.9	64.0	36.9	63.0	62.0
1-Feb-22	22:00:00	01-Feb-2222:00	69.6	29.9	79.1	76.1	76.6	71.3	74.0	64.0	37.0	63.0	62.0
1-Feb-22	22:30:00	01-Feb-2222:30	69.6	29.9	79.7	76.2	77.0	71.5	74.0	64.0	37.0	63.0	62.0
1-Feb-22	23:00:00	01-Feb-2223:00	69.6	29.9	79.4	76.6	77.0	72.0	74.3	64.0	37.3	63.0	62.0
1-Feb-22	23:30:00	01-Feb-2223:30	69.6	29.9	80.0	76.7	77.0	71.7	74.2	64.0	37.5	63.4	62.0
2-Feb-22	0:00:00	02-Feb-2200:00	60.6	29.0	76.1	71.1	72.1	69.7	72.2	64.0	36.7	62.4	62.0
2-Feb-22	0:30:00	02-Feb-2200:30	60.3	28.9	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.1	62.0
2-Feb-22	1:00:00	02-Feb-2201:00	60.3	28.9	72.8	69.8	70.0	69.5	71.0	64.0	35.1	61.4	62.0
2-Feb-22	1:30:00	02-Feb-2201:30	60.3	28.9	72.9	69.6	70.0	69.0	71.0	64.0	35.0	61.2	62.0
2-Feb-22	2:00:00	02-Feb-2202:00	60.3	28.9	72.0	69.0	70.0	69.0	71.0	64.0	35.0	61.0	62.0
2-Feb-22	2:30:00	02-Feb-2202:30	60.3	28.9	72.0	69.0	70.0	69.0	70.7	64.0	35.0	61.0	62.0
2-Feb-22	3:00:00	02-Feb-2203:00	60.3	28.9	72.3	69.0	70.0	69.0	70.3	64.0	35.3	61.0	62.0
2-Feb-22	3:30:00	02-Feb-2203:30	60.3	28.9	72.0	69.2	70.2	69.0	70.0	64.0	35.0	61.0	62.0
2-Feb-22	4:00:00	02-Feb-2204:00	60.3	28.1	72.0	69.1	69.5	68.7	70.0	64.0	34.6	60.2	62.0
2-Feb-22	4:30:00	02-Feb-2204:30	67.9	28.6	75.0	72.0	72.5	69.8	70.6	64.0	35.3	61.3	62.0
2-Feb-22	5:00:00	02-Feb-2205:00	69.3	28.9	78.4	75.7	76.1	70.5	73.0	64.0	35.7	61.5	62.0
2-Feb-22	5:30:00	02-Feb-2205:30	68.5	28.9	78.0	75.0	75.3	70.0	73.0	64.0	35.0	61.0	62.0
2-Feb-22	6:00:00	02-Feb-2206:00	68.5	28.9	78.0	75.0	75.3	70.0	73.0	64.0	35.0	61.0	62.0
2-Feb-22	6:30:00	02-Feb-2206:30	68.5	28.9	78.0	75.0	75.3	69.7	72.7	64.0	35.0	61.0	62.0

2-Feb-22	7:00:00	02-Feb-2207:00	68.5	28.9	78.0	75.0	75.3	69.1	72.5	64.0	35.0	60.7	62.0
2-Feb-22	7:30:00	02-Feb-2207:30	68.5	28.9	78.0	75.0	75.0	70.0	72.9	64.0	35.3	61.0	62.0
2-Feb-22	8:00:00	02-Feb-2208:00	68.9	28.9	78.0	75.0	75.3	70.0	73.0	64.0	36.0	61.3	62.0
2-Feb-22	8:30:00	02-Feb-2208:30	69.2	28.9	78.0	75.0	74.6	69.1	73.0	64.0	35.7	61.0	62.0
2-Feb-22	9:00:00	02-Feb-2209:00	68.4	28.9	78.0	73.4	71.7	69.7	73.0	64.0	35.2	61.0	62.0
2-Feb-22	9:30:00	02-Feb-2209:30	68.2	28.9	77.7	73.6	72.3	70.1	73.0	64.0	35.6	61.0	62.0
2-Feb-22	10:00:00	02-Feb-2210:00	68.3	28.9	78.0	73.8	71.8	71.3	73.0	64.0	36.6	61.8	62.0
2-Feb-22	10:30:00	02-Feb-2210:30	68.3	29.3	78.3	74.6	73.5	71.0	73.7	64.0	37.0	63.0	62.0
2-Feb-22	11:00:00	02-Feb-2211:00	69.3	29.9	78.3	74.4	73.7	71.0	73.5	64.0	36.8	63.0	62.0
2-Feb-22	11:30:00	02-Feb-2211:30	70.5	29.9	78.8	75.0	74.5	71.5	73.9	64.0	36.9	63.0	62.0
2-Feb-22	12:00:00	02-Feb-2212:00	70.5	29.9	79.0	75.9	75.0	72.0	74.0	64.0	37.0	63.0	62.0
2-Feb-22	12:30:00	02-Feb-2212:30	63.1	29.1	76.1	72.5	72.8	70.7	72.3	64.0	36.1	60.7	62.0
2-Feb-22	13:00:00	02-Feb-2213:00	61.2	28.8	72.9	69.3	69.1	69.7	70.7	64.0	35.0	61.0	62.0
2-Feb-22	13:30:00	02-Feb-2213:30	61.4	28.8	72.0	69.0	68.9	69.0	71.0	64.0	35.0	60.4	62.0
2-Feb-22	14:00:00	02-Feb-2214:00	59.7	28.5	72.0	68.4	67.7	68.8	70.1	64.0	35.0	60.4	62.0
2-Feb-22	14:30:00	02-Feb-2214:30	61.0	28.0	71.4	67.5	68.0	68.6	70.1	64.0	34.4	60.8	62.0
2-Feb-22	15:00:00	02-Feb-2215:00	69.4	28.9	77.9	74.3	74.4	71.0	72.5	64.0	35.7	61.5	62.0
2-Feb-22	15:30:00	02-Feb-2215:30	69.4	28.9	77.7	74.8	74.2	70.5	73.3	64.0	36.0	62.2	62.0
2-Feb-22	16:00:00	02-Feb-2216:00	69.4	28.9	78.3	75.0	74.9	70.9	73.3	64.0	36.4	62.7	62.0
2-Feb-22	16:30:00	02-Feb-2216:30	69.4	28.9	79.0	75.7	75.8	71.0	73.5	64.0	37.0	63.0	62.0
2-Feb-22	17:00:00	02-Feb-2217:00	69.4	29.4	79.0	75.7	76.0	71.0	74.0	64.0	37.0	63.0	62.0
2-Feb-22	17:30:00	02-Feb-2217:30	69.4	29.9	79.0	76.0	75.7	71.3	74.0	64.0	36.7	63.0	62.0
2-Feb-22	18:00:00	02-Feb-2218:00	69.4	29.9	78.7	74.9	75.8	71.2	73.7	64.0	37.3	62.9	62.0
2-Feb-22	18:30:00	02-Feb-2218:30	69.4	29.9	78.7	75.0	75.6	71.4	73.7	64.0	36.7	62.8	62.0
2-Feb-22	19:00:00	02-Feb-2219:00	69.4	29.1	79.3	76.2	75.5	71.6	73.7	64.0	36.7	63.0	62.0
2-Feb-22	19:30:00	02-Feb-2219:30	69.4	28.8	79.0	75.3	76.0	71.0	74.0	64.0	37.0	63.0	62.0
2-Feb-22	20:00:00	02-Feb-2220:00	66.1	28.3	78.3	75.3	75.3	70.8	73.4	64.0	36.7	62.9	62.0
2-Feb-22	20:30:00	02-Feb-2220:30	59.3	26.8	72.0	69.0	69.0	68.2	70.0	64.0	35.0	60.1	62.0
2-Feb-22	21:00:00	02-Feb-2221:00	59.3	26.8	72.0	68.7	69.0	68.0	70.0	64.0	35.0	60.7	62.0
2-Feb-22	21:30:00	02-Feb-2221:30	59.3	26.8	72.0	69.0	69.3	69.0	70.0	64.0	35.0	60.9	62.0
2-Feb-22	22:00:00	02-Feb-2222:00	59.3	27.3	72.0	69.0	69.0	68.7	70.0	64.0	34.7	60.2	62.0
2-Feb-22	22:30:00	02-Feb-2222:30	59.3	27.7	72.0	68.6	69.0	68.0	70.0	64.0	34.5	60.1	62.0
2-Feb-22	23:00:00	02-Feb-2223:00	59.3	27.7	71.7	68.3	69.0	68.0	70.0	64.0	34.0	60.0	62.0
2-Feb-22	23:30:00	02-Feb-2223:30	62.0	28.0	71.7	68.7	69.4	68.1	70.3	64.0	34.0	60.0	62.0
3-Feb-22	0:00:00	03-Feb-2200:00	68.8	28.8	78.5	75.2	76.0	70.4	73.0	64.0	35.7	61.9	62.0
3-Feb-22	0:30:00	03-Feb-2200:30	68.8	28.8	79.0	76.0	76.0	71.0	73.3	64.0	36.0	62.0	62.0
3-Feb-22	1:00:00	03-Feb-2201:00	68.8	28.8	79.0	76.0	76.6	71.0	74.0	64.0	36.6	62.6	62.0
3-Feb-22	1:30:00	03-Feb-2201:30	68.8	29.2	79.0	76.0	76.5	71.2	74.0	64.0	36.9	63.0	62.0

3-Feb-22	2:00:00	03-Feb-2202:00	70.4	29.7	79.9	76.9	77.0	72.0	74.1	64.0	37.0	63.0	62.0
3-Feb-22	2:30:00	03-Feb-2202:30	70.8	29.7	80.0	77.0	77.2	72.0	75.0	64.0	37.0	63.4	62.0
3-Feb-22	3:00:00	03-Feb-2203:00	70.8	29.7	80.0	77.3	78.0	72.0	75.0	64.0	37.9	64.0	62.0
3-Feb-22	3:30:00	03-Feb-2203:30	70.8	30.5	80.7	77.7	77.8	72.7	75.0	64.0	38.0	64.0	62.0
3-Feb-22	4:00:00	03-Feb-2204:00	66.0	30.3	79.4	78.0	76.5	72.4	74.1	64.0	37.4	62.8	62.0
3-Feb-22	4:30:00	03-Feb-2204:30	61.0	29.7	73.7	71.5	71.0	70.0	71.6	64.0	36.0	62.0	62.0
3-Feb-22	5:00:00	03-Feb-2205:00	61.0	29.7	73.0	70.0	70.4	70.0	71.0	64.0	35.8	61.6	62.0
3-Feb-22	5:30:00	03-Feb-2205:30	61.0	29.0	72.5	69.5	70.2	69.2	71.0	64.0	35.0	61.0	62.0
3-Feb-22	6:00:00	03-Feb-2206:00	61.0	28.7	72.0	69.0	69.3	68.9	70.6	64.0	34.7	60.7	62.0
3-Feb-22	6:30:00	03-Feb-2206:30	60.0	28.7	72.0	69.0	68.8	68.2	70.0	64.0	34.1	60.0	62.0
3-Feb-22	7:00:00	03-Feb-2207:00	59.0	27.9	71.4	68.1	68.3	67.8	69.3	64.0	33.3	58.9	62.0
3-Feb-22	7:30:00	03-Feb-2207:30	59.0	27.7	70.7	67.7	67.7	67.0	69.0	64.0	33.0	58.0	62.0
3-Feb-22	8:00:00	03-Feb-2208:00	60.7	27.0	70.3	67.0	66.7	66.2	68.4	64.0	32.7	58.2	62.0
3-Feb-22	8:30:00	03-Feb-2208:30	66.8	27.8	75.5	71.5	70.4	68.0	71.5	64.0	33.9	60.0	62.0
3-Feb-22	9:00:00	03-Feb-2209:00	68.1	27.8	77.0	73.6	73.0	68.9	72.0	64.0	34.7	60.0	63.0
3-Feb-22	9:30:00	03-Feb-2209:30	68.8	27.8	77.0	73.3	73.0	69.6	72.2	64.0	34.2	60.1	62.5
3-Feb-22	10:00:00	03-Feb-2210:00	68.8	27.8	77.0	73.3	72.4	69.2	72.1	64.0	34.9	60.7	62.4
3-Feb-22	10:30:00	03-Feb-2210:30	68.2	27.8	77.0	73.7	73.0	70.0	72.0	64.0	35.0	60.4	63.0
3-Feb-22	11:00:00	03-Feb-2211:00	68.7	27.8	77.3	74.4	73.5	69.7	72.0	64.0	35.0	61.0	63.0
3-Feb-22	11:30:00	03-Feb-2211:30	67.8	27.8	77.9	74.2	74.0	70.0	72.3	64.0	35.0	60.7	63.2
3-Feb-22	12:00:00	03-Feb-2212:00	67.4	27.8	77.3	73.8	73.5	69.9	72.0	64.0	35.0	60.7	62.9
3-Feb-22	12:30:00	03-Feb-2212:30	67.4	28.0	77.0	73.6	72.7	69.6	72.0	64.0	34.7	61.0	63.1
3-Feb-22	13:00:00	03-Feb-2213:00	67.6	28.8	77.7	74.0	73.7	70.0	72.8	64.0	35.0	61.0	64.0
3-Feb-22	13:30:00	03-Feb-2213:30	69.4	28.8	78.0	74.3	74.0	70.8	73.0	64.0	35.9	62.0	64.9
3-Feb-22	14:00:00	03-Feb-2214:00	69.4	28.8	78.0	74.3	74.0	71.0	73.0	64.0	36.3	62.0	65.0
3-Feb-22	14:30:00	03-Feb-2214:30	69.4	28.8	78.0	74.3	73.5	70.7	73.0	64.0	36.3	62.7	64.7
3-Feb-22	15:00:00	03-Feb-2215:00	69.4	28.8	78.0	74.9	73.6	71.0	73.1	64.0	36.7	63.2	65.0
3-Feb-22	15:30:00	03-Feb-2215:30	69.4	29.7	78.3	74.9	74.4	71.0	74.0	64.0	37.0	62.8	65.0
3-Feb-22	16:00:00	03-Feb-2216:00	69.4	29.7	78.2	74.8	74.4	71.2	74.0	64.0	37.0	63.2	65.0
3-Feb-22	16:30:00	03-Feb-2216:30	69.4	29.7	79.0	75.6	75.9	72.0	74.0	64.0	37.0	63.0	66.0
3-Feb-22	17:00:00	03-Feb-2217:00	67.5	29.5	79.2	76.0	76.0	72.0	74.0	64.0	37.0	62.7	65.9
3-Feb-22	17:30:00	03-Feb-2217:30	61.0	27.3	73.2	71.6	69.7	69.3	70.9	64.0	35.0	60.7	63.0
3-Feb-22	18:00:00	03-Feb-2218:00	61.0	26.8	72.8	69.0	69.0	69.0	70.0	64.0	35.0	60.6	63.0
3-Feb-22	18:30:00	03-Feb-2218:30	61.0	26.8	71.4	68.4	68.7	68.1	70.0	64.0	34.3	60.0	62.3
3-Feb-22	19:00:00	03-Feb-2219:00	59.0	25.8	71.0	67.7	68.0	67.6	69.2	64.0	33.7	59.6	61.7
3-Feb-22	19:30:00	03-Feb-2219:30	62.7	27.4	72.8	69.5	69.8	68.0	71.4	64.0	34.7	59.5	62.1
3-Feb-22	20:00:00	03-Feb-2220:00	68.4	28.8	78.0	74.7	75.0	70.0	72.5	64.0	35.7	61.7	64.0
3-Feb-22	20:30:00	03-Feb-2220:30	68.4	28.8	78.0	75.0	75.5	70.0	72.9	64.0	36.0	62.0	64.0

3-Feb-22	21:00:00	03-Feb-2221:00	68.4	28.8	78.0	75.3	75.0	70.7	73.0	64.0	36.0	62.0	64.2
3-Feb-22	21:30:00	03-Feb-2221:30	68.4	28.8	78.8	75.8	75.5	71.0	73.3	64.0	36.0	62.4	65.0
3-Feb-22	22:00:00	03-Feb-2222:00	68.9	29.1	79.0	76.0	76.4	71.0	74.0	64.0	36.7	62.4	65.0
3-Feb-22	22:30:00	03-Feb-2222:30	70.4	29.8	79.0	76.0	76.7	71.3	74.0	64.0	37.0	63.0	65.0
3-Feb-22	23:00:00	03-Feb-2223:00	70.4	29.8	79.9	76.0	76.4	71.6	74.0	64.0	37.0	63.0	65.0
3-Feb-22	23:30:00	03-Feb-2223:30	70.4	29.8	80.0	76.3	77.0	72.0	74.0	64.0	37.0	63.3	65.5

DUTY UT: UT' STIEFERMANN
 START: 1030

Date	Zone	Hydrant #	Time	Pressure
12 JAN 2022	A2	8-14	1030	70
12 JAN 2022	A2	7-11	1045	70
12 JAN 22	A2	8-14	1130	69
12 JAN 22	A2	7-11	1145	72
12 JAN 22	A2	8-14	1230	70
12 JAN 22	A2	7-11	1236	73
12 JAN 22	A2	8-14	1329	70
12 JAN 22	A2	7-11	1335	74
12 JAN 22	A2	8-14	1433	66
12 JAN 22	A2	7-11	1438	70
12 JAN 22	A2	8-14	1529	67
12 JAN 22	A2	7-11	1536	70
12 JAN 22	A2	8-14	1624	67
12 JAN 22	A2	7-11	1633	70
END OF DAY				
13 JAN 22	F1	21	1212	84
13 JAN 22	F1	FH 42	1230	78
13 JAN 22	F1	21	1318	40
13 JAN 22	F1	42	1323	42
13 JAN 22	F1	42	1415	50
13 JAN 22	F1	21	1422	46
13 JAN 22	F1	42	1456	42
13 JAN 22	F1	21	1502	44
13 JAN 22	F1	42	1605	60
13 JAN 22	F1	21	1621	66
13 JAN 22	F1	21	1707	72
14 JAN 22		42	1712	74
14 JAN 22	F1	42	0802	64
14 JAN 22	F1	6	0819	58
14 JAN 22	F1	6	0934	62
14 JAN 22	F1	42	0942	54
14 JAN 22	F1	6	1045	68
14 JAN 22	F1	42	1054	74
14 JAN 22	F1	6	1141	78
14 JAN 22	F1	42	1149	74
14 JAN 22	F1	6	1250	90
14 JAN 22	F1	42	1258	80
14 JAN 22	F1	6	1352	88
14 JAN 22	F1	42	1405	84
19 JAN 22	D3	382	0810	69
19 JAN 22	D3	476	0815	68
19 JAN 22	D3	382	0915	63
19 JAN 22	D3	476	0920	62
19 JAN 22	D3	382	1020	67
19 JAN 22	D3	476	1030	65
19 JAN 22	D3	382	1131	68
19 JAN 22	D3	476	1138	67
19 JAN 22	D3	382	1231	67
19 JAN 22	D3	476	1235	69
19 JAN 22	D3	382	1330	67

UTC
 NA 1000

UT
 MARKS

UT 1000

UPRHNZ

STIEBERMAN

Date	Zone	Hydrant #	Time	Pressure
19 JAN 22	D3	476	1332	63
19 JAN 22	D3	382	1427	65
19 JAN 22	D3	476	1431	65
19 JAN 22	D3	382	1528	69
19 JAN 22	D3	476	1530	66
19 JAN 22	D3	382	1630	70
19 JAN 22	D3	476	1635	68
19 JAN 22	D3	382	1735	68
19 JAN 22	D3	476	1801	66
19 JAN 22	D3	382	1821	66
19 JAN 22	D3	476	1831	67
20 JAN 22	D3	476	0830	71
20 JAN 22	D3	476	0845	69
20 JAN 22	D3	416	940	70
20 JAN 22	D3	476	950	66
20 JAN 22	D3	416	1055	73
20 JAN 22	D3	476	1155	70
20 JAN 22	D3	416	1210	71
20 JAN 22	D3	476	1217	68
20 JAN 22	D3	416	1310	70
20 JAN 22	D3	476	1320	66
20 JAN 22	D3	416	1403	74
20 JAN 22	D3	476	1412	68
20 JAN 22	D3	416	1508	72
20 JAN 22	D3	476	1518	68
21 JAN 22	F2	32	0805	58
21 JAN 22	F2	11	0815	58
21 JAN 22	F2	32	0906	58
21 JAN 22	F2	11	0910	57
21 JAN 22	F2	32	1012	58
21 JAN 22	F2	11	1018	56
21 JAN 22	F2	32	1038	52
21 JAN 22	F2	11	1100	56
21 JAN 22	F2	32	1120	52
21 JAN 22	F2	11	1219	57
21 JAN 22	F2	32	1225	52
21 JAN 22	F2	11	1305	69
21 JAN 22	F2	32	1311	55
21 JAN 22	F2	11	1400	60
21 JAN 22	F2	32	1405	55
21 JAN 22	F2	11	1501	60
21 JAN 22	F2	32	1508	54
21 JAN 22	F2	11	1601	57
21 JAN 22	F2	32	1608	54
21 JAN 22	F2	11	1702	57
21 JAN 22	F2	32	1708	54
21 JAN 22	F2	32	1813	54
21 JAN 22	F2	11	1822	57
22 JAN 22	F2	13	0815	50
22 JAN 22	F2	75	0900	62

UPRHNZ

RELOCATES

INSTALLS
SAME #

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		F2-ANDE2826	F2-ANDE2848	F2-ANDE2888	F2-ANDE2888	F2-ANDE2944	F2-ANDE2978	F2-ANDE3004	F2-ANDE3004
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		2826 Anderson Avenue	2848 Anderson Avenue	2888 Anderson Avenue	2888 Anderson Avenue	2944 Anderson Avenue	2978 Anderson Avenue	3004 Anderson Avenue	3004 Anderson Avenue
Field Sample ID:		F2-TW-135165-22023-N	F2-TW-135173-22023-N	F2-TW-136011-22023-3-N	F2-TW-136011-22023-N	220123-F2-KT06	F2-TW-1304118-22023-N	F2-TW-1304154-22023-3-N	F2-TW-1304154-22023-N
Sample Date:		2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-24	2022-01-24	2022-01-24
Sample Type:		N	N	FD	N	N	N	FD	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22a049 rev1
Total Organic Carbon	2	None	None	None	5.58	4.06	0.200 U	0.200 U	4.73

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
HC (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 5801096101	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 5801096101
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	96.0 J	92.0 U	190 U	190 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	31.0 U	31.0 U	40.0 U	40.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 U	180 U	190 U	190 U	180 U
Total Petroleum Hydrocarbons	211				96	--	--	--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
HG (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22a049 rev1
Mercury	0.025	0.025	2	2	0.0900 U	0.0900 U	0.0250 U	0.0560 U	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
METAL (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22a049 rev1
Antimony	6	6	6	6	0.210 U	0.100 U	0.100 U	0.0570 U	--
Arsenic	10	10	10	10	0.500 U	0.500 U	0.500 U	0.890 U	--
Barium	220	220	2000	2000	2.40	2.30	2.30	2.20	--
Beryllium	0.66	0.66	4	4	0.0700 U	0.150 U	0.150 U	0.0830 U	--
Cadmium	3	3	5	5	0.120 U	0.0500 U	0.0500 U	0.140 U	--
Chromium	11	11	100	100	1.50 J	1.50 J	1.70 J	1.80	--
Copper	2.9	2.9	1300	1300	35.9	29.6	9.70	12.0	--
Lead	15	5.6	15	15	1.70	2.20	0.240 J	0.170 J	--
Selenium	5	5	50	50	0.830 U	0.300 U	0.300 U	1.60 J	--
Thallium	2	2	2	2	0.500 U	0.0500 U	0.0500 U	0.160 U	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		F2-ANDE3016	F2-ANDE3052	F2-ANDE3052	F2-ARIZ2791	F2-ARIZ2907	F2-ARIZ2909	F2-ARIZ2909
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		3016 Anderson Avenue	3052 Anderson Avenue	3052 Anderson Avenue	2793 Arizona Road	2907 Arizona Road	2909 Arizona Road	2909 Arizona Road
Field Sample ID:		F2-TW-1304166-22023-N	220123-F2-CT06	220123-F2-CT07	F2-TW-2201011-22023-N	F2-TW-1304288-22023-N	F2-TW-22102403-22023-3-N	F2-TW-22102403-22023-N
Sample Date:		2022-01-25	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:		N	N	N	N	N	FD	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: C22A051 rev2	SDG: C22A047	SDG: C22A049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271
Total Organic Carbon			None	None	5.29	8.53 J	0.200 U	0.200 U	4.06	0.200 U	0.200 U

HC (µg/L)	Incident Specific Parameters	200	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 5801096941	SDG: 5801095841	SDG: 5801096161	SDG: 5801096161	SDG: 5801096101	SDG: DA41271A	SDG: DA41271
Petroleum Hydrocarbons (as Diesel)			400	None	91.0 U	93.0 U	92.0 U	92.0 U	91.0 U	190 UJ	190 U
Petroleum Hydrocarbons (as Gasoline)			300	None	100 UJ	31.0 U	100 UJ	100 UJ	31.0 U	40.0 U	40.0 U
Petroleum Hydrocarbons (as Motor Oil)			500	None	180 U	190 U	180 U	180 U	180 U	190 UJ	190 UJ
Total Petroleum Hydrocarbons		211			--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	0.025	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 35692973	SDG: 810129051	SDG: 810130371	SDG: 810130371	SDG: 35692837	SDG: DA41271	SDG: DA41271
Mercury			0.025	2	0.0900 U	0.0560 U	0.0560 U	0.0670 J	0.0900 U	0.0250 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	6	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 35692973	SDG: 810129051	SDG: 810130371	SDG: 810130371	SDG: 35692837	SDG: DA41271	SDG: DA41271
Antimony			6	6	0.210 U	0.0570 U	0.0570 U	0.0570 U	0.210 U	0.100 U	0.100 U
Arsenic			10	10	0.500 U	0.890 U	0.890 U	0.890 U	0.500 U	0.500 U	0.500 U
Barium			220	2000	2.10	2.10	2.50	2.40	2.20	1.90 J	2.20
Beryllium			0.66	4	0.0700 U	0.0830 U	0.0830 U	0.0830 U	0.0700 U	0.150 U	0.150 U
Cadmium			3	5	0.120 U	0.140 U	0.140 U	0.140 U	0.120 U	0.0500 U	0.0500 U
Chromium			11	100	1.50 J	1.80	1.60	1.70	1.50 J	0.990 J	1.10 J
Copper			2.9	1300	5.50	4.20	8.20	4.00	10.0	4.20	6.20
Lead			15	15	0.220 U	0.240 J	0.240 J	0.180 J	0.550 J	0.260 J	0.400 J
Selenium			5	50	0.830 U	1.60 U	1.60 U	1.60 U	0.830 U	0.300 U	0.300 U
Thallium			2	2	0.500 U	0.160 U	0.160 U	0.160 U	0.500 U	0.0500 U	0.0500 U

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Location ID:	F2-ARIZ2913	F2-ARIZ3004	F2-ARIZ3085	F2-BENF5419	F2-BENF5437	F2-BENF5437	F2-BLDG0603
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Non-Residence
Residence:	2913 Arizona Road	3004 Arizona Road	3085 Arizona Road	5419 Benfold Lane	5437 Benfold Lane	5437 Benfold Lane	Building 603, POOL BATH HOUSE POOL Street
Field Sample ID:	F2-TW-1303054-22023-N	F2-TW-22102404-22023-N	220123-F2-LT08	220123-F2-FT06	220123-F2-ET06	F2-TW-1303914-22023-N	220129F2CT02
Sample Date:	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-25	2022-01-29
Sample Type:	N	N	N	N	N	FD	N (72 Hour Stagnation) N

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
GENCHEM (mg/L)	Incident Specific Parameters	2	None	None	SDG: C22a049 rev1	SDG: DA41271	SDG: C22A047
Total Organic Carbon				None	5.06	0.200 U	8.74 J
					2.18 J	0.570	0.540
							1.75

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
HC (µg/L)	Incident Specific Parameters	200	None	None	SDG: 5801096101	SDG: DA41271	SDG: 5801095761
Petroleum Hydrocarbons (as Diesel)		400	None	None	95.0 U	190 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)		300	None	None	31.0 U	40.0 U	100 UJ
Petroleum Hydrocarbons (as Motor Oil)		500	None	None	190 U	190 UJ	180 U
Total Petroleum Hydrocarbons	211				--	--	--

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
HG (µg/L)	Incident Specific Parameters	0.025	2	2	SDG: 35692837	SDG: DA41271	SDG: 35692277
Mercury		0.025	6	6	0.0900 U	0.0250 U	0.0250 U

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
METAL (µg/L)	Incident Specific Parameters	6	6	6	SDG: 35692837	SDG: DA41271	SDG: 35692277
Antimony		6	6	6	0.210 U	0.100 U	0.210 U
Arsenic		10	10	10	0.500 U	0.500 U	0.500 U
Barium		220	2000	2000	2.20	2.10	2.50
Beryllium		0.66	4	4	0.0700 U	0.150 U	0.0700 U
Cadmium		3	5	5	0.120 U	0.0500 U	0.120 U
Chromium		11	100	100	1.50 J	1.10 J	1.20 J
Copper		2.9	1300	1300	4.60	5.20	16.8
Lead		15	15	15	0.220 J	0.180 J	0.740 J
Selenium		5	50	50	0.830 U	0.300 U	0.830 U
Thallium		2	2	2	0.500 U	0.0500 U	0.500 U

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Location ID:	F2-BLDG1928	F2-BLDG1928	F2-BLDG3349	F2-BLDG4655	F2-BLDG4655	F2-BLDG6890	F2-BLDG6890	F2-BLDG7751
Location Type:	Child Development Center	Child Development Center	Non-Residence	Child Development Center	Child Development Center	Non-Residence	Non-Residence	Non-Residence
Residence:	Building 1928,CHILD DEVELOPMT CENTER (PELTIER AVE)	Building 1928,CHILD DEVELOPMT CENTER (PELTIER AVE)	Building 3349,LEARNING SERVICE CENTER (3349 Catlin Drive)	Building 4655,CATLIN SCHOOL AGE CENTER	Building 4655,CATLIN SCHOOL AGE CENTER	Building 6890,NEX MINI-MART HALSEY	Building 6890,NEX MINI-MART HALSEY	Building 7751, Radford Terrace Country Club (811 Murray Drive)
Field Sample ID:	220123-F2-JT01	220123-F2-KT01	220129F2CT03	220123-F2-JT04	220123-F2-KT05	220126F2AT05	220126F2AT04	220129F2CT01
Sample Date:	2022-01-23	2022-01-23	2022-01-29	2022-01-23	2022-01-23	2022-01-26	2022-01-26	2022-01-29
Sample Type:	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: DA41309	SDG: DA41309	SDG: C22A068 rev1	SDG: C22A068 rev1
Total Organic Carbon	2	None	None	None	0.200 U	0.200 U	0.200 U	0.520	0.510		0.200 U

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: DA41160	SDG: DA41395	SDG: DA41309	SDG: DA41309	SDG: DA41395
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	190 UJ	190 U	190 U	190 UJ	190 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U	40.0 UJ	40.0 U	40.0 UJ	40.0 U	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	190 UJ	190 U	190 UJ	190 UJ	190 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: 810128421	SDG: DA41395	SDG: DA41309	SDG: DA41309	SDG: DA41395
Mercury	0.025	0.025	2	2	0.0250 U	0.0560 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: 810128421	SDG: DA41395	SDG: DA41160	SDG: DA41309	SDG: DA41395
Antimony	6	6	6	6	0.100 U	0.0570 U	0.100 U	0.100 J	0.100 U	0.100 U
Arsenic	10	10	10	10	0.510 J	0.890 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	2000	2000	2.70	2.70	2.00	2.40	3.40	2.60
Beryllium	0.66	0.66	4	4	0.150 U	0.0830 U	0.150 U	0.150 U	0.150 U	0.150 U
Cadmium	3	3	5	5	0.0500 U	0.140 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Chromium	11	11	100	100	2.10	2.00	1.50 J	2.10	1.40 J	1.50 J
Copper	2.9	2.9	1300	1300	50.9	260	74.0	199	33.3	4.30
Lead	15	5.6	15	15	0.130 U	0.0880 U	0.700	0.280 J	0.340 J	0.200 J
Selenium	5	5	50	50	0.300 U	1.60 U	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	2	2	0.0500 U	0.160 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
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Location ID:										
Location Type:	F2-BRID3073	F2-BRID3077	F2-BRID3077	F2-CATL5228	F2-CATL5260	F2-CATL5280	F2-CATL5300	F2-CATL5318		
Residence:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
	3073 Bridges Street	3077 Bridges Street	3077 Bridges Street	5228 Catlin Lane	5260 Catlin Lane	5280 Catlin Lane	5300 Catlin Lane	5318 Catlin Lane		
Field Sample ID:	F2-TW-1304165-22023-N	F2-TW-1304142-22023-3-N	F2-TW-1304142-22023-N	220123-F2-GT06	220123-F2-GT09	220123-F2-FT03	220123-F2-GT10	220123-F2-HT05		
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23		
Sample Type:	N	FD	N	N	N	N	N	N		

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	Incident Specific Parameters	2	None	None	SDG: C22a049 rev1	SDG: DA41271
Total Organic Carbon					7.07	0.200 U

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	Incident Specific Parameters	200	None	None	SDG: 5801096101	SDG: DA41271
Petroleum Hydrocarbons (as Diesel)		400	None	None	91.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)		300	None	None	100 UJ	40.0 U
Petroleum Hydrocarbons (as Motor Oil)		500	None	None	180 U	190 UJ
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	Incident Specific Parameters	0.025	2	2	SDG: 35692837	SDG: DA41271
Mercury		0.025	2	2	0.0900 U	0.0250 U

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	Incident Specific Parameters	6	6	6	SDG: 35692837	SDG: DA41271
Antimony		6	6	6	0.210 U	0.100 U
Arsenic		10	10	10	0.500 U	0.500 U
Barium		220	2000	2000	2.30	2.20
Beryllium		0.66	4	4	0.0700 U	0.150 U
Cadmium		3	5	5	0.120 U	0.0500 U
Chromium		11	100	100	1.60 J	1.30 J
Copper		2.9	1300	1300	28.1	4.80
Lead		15	15	15	0.520 J	0.130 J
Selenium		5	50	50	0.830 U	0.300 U
Thallium		2	2	2	0.500 U	0.0500 U

Residential Sampling Report for Flushing Zone
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Location ID:										
Location Type:	F2-COLE4109	F2-CURT3001	F2-DALY3049	F2-DEWE3209	F2-DEWE3234	F2-DOR12267C	F2-DOR12267C	F2-DOR12269A		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	4109 Colegrove Street	3001 Curtis Drive	3049 Daly Drive	3209 Dewert Lane	3234 Dewert Lane	267C Doris Miller Loop	267C Doris Miller Loop	269A Doris Miller Loop		
Field Sample ID:	F2-TW-1303352-22023-N	F2-TW-22102405-22023-N	F2-TW-133157-22023-N	220123-F2-LT04	220123-F2-IT01	220123-F2-LT01	220123-F2-LT02	220123-F2-AT04		
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23		
Sample Type:	N	N	N	N	N	N	FD	N		

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41271	SDG: DA41227	SDG: DA41160
Total Organic Carbon	2	None	None	0.200 U	0.200 U	0.200 U
				5.21		6.96 J

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41271A	SDG: DA41227	SDG: DA41160
Petroleum Hydrocarbons (as Diesel)	200	400	None	190 U	190 U	190 UJ
				94.0 U		93.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	40.0 U	40.0 U	40.0 UJ
				31.0 U		31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	190 UJ	190 UJ	190 UJ
				190 U		190 U
Total Petroleum Hydrocarbons	211			--	--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41271	SDG: DA41227	SDG: DA41160
Mercury	0.025	0.025	2	0.0250 U	0.0250 U	0.0250 U
				0.120 J		0.0560 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41271	SDG: DA41227	SDG: DA41160
Antimony	6	6	6	0.100 U	0.100 U	0.100 U
				0.210 U		0.0570 U
Arsenic	10	10	10	0.500 U	0.500 U	0.500 U
				0.500 U		0.890 U
Barium	220	220	2000	2.60	3.10	2.40
				2.50		2.40
Beryllium	0.66	0.66	4	0.150 U	0.180 J	0.150 U
				0.0700 U		0.0830 U
Cadmium	3	3	5	0.0500 U	0.0500 U	0.0500 U
				0.120 U		0.140 U
Chromium	11	11	100	1.20 J	1.80 J	2.10
				1.50 J		1.80
Copper	2.9	2.9	1300	26.4	197	104
				18.3		39.0
Lead	15	5.6	15	0.160 J	0.950	0.130 J
				0.870 J		0.170 J
Selenium	5	5	50	0.300 U	0.300 U	0.300 U
				0.830 U		1.60 U
Thallium	2	2	2	0.0500 U	0.120 J	0.0500 U
				0.500 U		0.160 U

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Location ID:	F2-DORI2274C		F2-DORI2274C	F2-ENG4062	F2-FINC4141	F2-FINC4175	F2-GILL3177
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence
Residence:	274C Doris Miller Loop		274C Doris Miller Loop	4062 Enger Street	4141 Fincher Street	4175 Fincher Street	3177 Gillespie Lane
Field Sample ID:	F2-TW-2201050-22023-3-N		F2-TW-2201050-22023-N	F2-TW-22102406-22023-N	F2-TW-22102407-22023-N	F2-TW-1303434-22023-N	220123-F2-GT07
Sample Date:	2022-01-25		2022-01-25	2022-01-24	2022-01-24	2022-01-25	2022-01-23
Sample Type:	FD		N	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: C22A051 rev2
GENCHEM (mg/L)	2	None	None	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: DA41160
Total Organic Carbon				1.64	4.76	0.200 U	0.200 U	4.28	5.52
				None					0.200 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 5801096641	SDG: 5801096101	SDG: DA41271A	SDG: DA41271	SDG: 5801096641	SDG: DA41160
HC (µg/L)	200	400	None	SDG: 5801096641	SDG: 5801096101	SDG: DA41271A	SDG: DA41271	SDG: 5801096641	SDG: DA41160
Petroleum Hydrocarbons (as Diesel)				96.0 U	92.0 U	190 U	190 UJ	92.0 U	180 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	100 UJ	100 UJ	40.0 U	40.0 U	100 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	190 U	180 U	190 UJ	190 UJ	180 U	180 UJ
Total Petroleum Hydrocarbons	211			--	--	--	--	--	--

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 810131351	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41160
HG (µg/L)	0.025	0.025	2	SDG: 810131351	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41160
Mercury				0.0560 U	0.0900 U	0.0250 U	0.0900 U	0.0900 U	0.0250 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 810131351	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41160
METAL (µg/L)	6	6	6	SDG: 810131351	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41160
Antimony	10	10	10	0.0570 U	0.210 U	0.100 U	0.100 U	0.210 U	0.100 U
Arsenic	220	220	2000	0.890 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	0.66	0.66	4	2.50	2.40	2.30	2.30	2.30	2.20
Beryllium	3	3	5	0.0830 U	0.0700 U	0.150 U	0.150 U	0.0700 U	0.150 U
Cadmium	11	11	100	0.140 U	0.120 U	0.0500 U	0.120 U	0.120 U	0.0500 U
Chromium	2.9	2.9	1300	1.80	1.70 J	1.30 J	1.10 J	1.60 J	2.10
Copper	15	5.6	15	45.0	13.5	6.90	7.10	6.40	14.8
Lead	5	5	15	0.160 J	0.500 J	0.130 U	0.210 J	0.320 J	0.370 J
Selenium	2	2	50	1.60 U	0.830 U	0.300 U	0.300 U	0.830 U	0.300 U
Thallium			2	0.160 U	0.500 U	0.0500 U	0.0500 U	0.500 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-GILL3177	F2-GILL3223	F2-GILL3231	F2-GILL3239	F2-GORD2644	F2-GORD2645	F2-GORD2648	F2-GORD2667
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3177 Gillespie Lane	3223 Gillespie Lane	3231 Gillespie Lane	3239 Gillespie Lane	2644 Gordon Street	2645 Gordon Street	2648 Gordon Street	2667 Gordon Street
Field Sample ID:	220123-F2-GT08	220123-F2-HT01	220123-F2-LT07	220123-F2-BT01	F2-TW-1304354-22023-N	F2-TW-135782-22023-N	F2-TW-1304323-22023-N	F2-TW-1304327-22023-N
Sample Date:	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	FD	N	N	N	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160		SDG: DA41227	SDG: DA41271	SDG: DA41271	SDG: C22a049 rev1	SDG: C22a049 rev1
GENCHEM (mg/L)	2	None	None	None	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	5.43	6.23 J

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: DA41271	SDG: 5801096161
HC (µg/L)	200	400	None	None	190 UJ	190 U	190 UJ	190 UJ	93.0 U
Petroleum Hydrocarbons (as Diesel)				None					92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U	40.0 UJ	40.0 U	100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	190 UJ	190 UJ	190 UJ	180 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: 35692731	SDG: 35692731
HG (µg/L)	0.025	0.025	2	2	0.0250 U	0.0560 U	0.0250 U	0.0250 U	0.0250 U	0.0900 U	0.0900 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: 35692731	SDG: 35692731
METAL (µg/L)	6	6	6	6	0.100 U	0.0570 U	0.100 U	0.100 U	0.100 U	0.210 U	0.210 U
Antimony											
Arsenic	10	10	10	10	0.500 U	0.890 U	0.630 J	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	2000	2000	2.10	2.00	2.10	2.20	2.50	2.30	2.40
Beryllium	0.66	0.66	4	4	0.150 U	0.0830 U	0.150 U	0.150 U	0.150 U	0.0700 U	0.0700 U
Cadmium	3	3	5	5	0.0500 U	0.140 U	0.0500 U	0.0500 U	0.0500 U	0.120 U	0.120 U
Chromium	11	11	100	100	2.10	1.90	2.20	1.40 J	1.10 J	1.50 J	1.40 J
Copper	2.9	2.9	1300	1300	14.2	12.0	19.3	29.1	8.50	23.5	9.70
Lead	15	5.6	15	15	0.350 J	2.80	0.320 J	0.680	0.180 J	0.970 J	0.610 J
Selenium	5	5	50	50	0.300 U	1.60 U	0.300 U	0.300 U	0.300 U	0.830 U	0.830 U
Thallium	2	2	2	2	0.0500 U	0.160 U	0.0500 U	0.0500 U	0.0500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-GORD2669	F2-GORD2691	F2-GORD2720	F2-GORD2741	F2-GORD2741	F2-GORD2775	F2-GORD2784	F2-GORD2784
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2669 Gordon Street	2691 Gordon Street	2720 Gordon Street	2741 Gordon Street	2741 Gordon Street	2775 Gordon Street	2784 Gordon Street	2784 Gordon Street
Field Sample ID:	F2-TW-1304326-2023-N	F2-TW-1303642-2023-N	F2-TW-1304262-2023-N	F2-TW-1303639-2023-3-N	F2-TW-1303639-2023-N	F2-TW-1303578-2023-N	F2-TW-1304219-2023-3-N	F2-TW-1304219-2023-N
Sample Date:	2022-01-24	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	N	N	N	FD	N	N	FD	N

GENCHEM (mg/L)	Incident Specific Parameters	2	None	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1
Total Organic Carbon				None	None	4.50	4.31	4.29	5.17	4.72	4.85	1.67
				None	None							0.200 U

HC (µg/L)	Incident Specific Parameters	200	400	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 5801096941	SDG: 5801096171	SDG: 5801096171	SDG: 5801096171	SDG: 5801096161	SDG: 5801096661	SDG: 5801096101
Petroleum Hydrocarbons (as Diesel)				None	None	94.0 U	93.0 U	91.0 U	94.0 U	92.0 U	--	91.0 U
Petroleum Hydrocarbons (as Gasoline)				None	None	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)				None	None	190 U	190 U	180 U	190 U	180 U	--	180 U
Total Petroleum Hydrocarbons				--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	0.025	0.025	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692731	SDG: 35692837	SDG: 35692837
Mercury				0.025	2	0.0900 U	0.0900 U	0.0900 U	0.0900 U	0.0900 U	0.0900 U	0.0900 U

METAL (µg/L)	Incident Specific Parameters	6	6	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692731	SDG: 35692837	SDG: 35692837
Antimony				6	6	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U
Arsenic				10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium				220	2000	2.60	2.60	2.60	2.50	2.80	2.70	2.70
Beryllium				0.66	4	0.0700 U	0.0700 U	0.0700 U	0.0700 U	0.0700 U	0.0700 U	0.0700 U
Cadmium				3	5	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U
Chromium				11	100	1.50 J	1.60 J	1.50 J	1.50 J	1.50 J	1.50 J	1.40 J
Copper				2.9	1300	55.3	4.20	6.30	8.30	5.80	21.9	21.9
Lead				15	15	0.220 U	0.350 J	0.220 U	0.240 J	0.220 U	0.530 J	0.510 J
Selenium				5	50	0.830 U	0.830 U	0.830 U	0.830 U	0.830 U	0.830 U	0.830 U
Thallium				2	2	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-GORD2838										F2-GORD2856	F2-HAIL3086	F2-HAIL3110	F2-HAIL3110	F2-HAIL3110	F2-HAMM0812	F2-HAMM5301	F2-HAMP4130
Location Type:	Residence										Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2838 Gordon Street										2856 Gordon Street	3086 Hailey Court	3110 Hailey Court	3110 Hailey Court	3110 Hailey Court	812 Hammerberg Street	5301 Hammond Lane	4130 Hampton Street
Field Sample ID:	F2-TW-1304288(a)-22023-N										220123-F2-CT03	220123-F2-AT01	220123-F2-AT02	220123-F2-AT03	F2-TW-22102408-22023-N	220123-F2-HT02	F2-TW-1303826-22023-N	
Sample Date:	2022-01-25										2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-24	2022-01-23	2022-01-23	2022-01-25
Sample Type:	N										N	N	N	FD	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels
GENCHEM (mg/L)	2	None	None	None	SDG: C22A051 rev2	SDG: C22A047	SDG: C22A047	SDG: C22A047	SDG: C22A047	SDG: C22A051 rev2	SDG: C22A047	SDG: DA41271	SDG: DA41227	SDG: C22A051 rev2
Total Organic Carbon	4.30		9.20 J		7.25 J	7.80 J	9.79 J	0.200 U	0.200 U	5.44				

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels
HC (µg/L)	200	400	None	None	SDG: 5801096941	SDG: 5801095761	SDG: 5801095841	SDG: 5801095841	SDG: 5801095841	SDG: 5801095841	SDG: 5801095841	SDG: DA41271A	SDG: DA41227	SDG: 5801096941
Petroleum Hydrocarbons (as Diesel)	200	300	None	None	95.0 U	94.0 U	31.0 U	31.0 U	92.0 U	94.0 U	190 U	40.0 U	40.0 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	500	None	None	100 UJ	31.0 U	190 U	180 U	31.0 U	31.0 U	190 UJ	190 UJ	190 UJ	100 U
Petroleum Hydrocarbons (as Motor Oil)	200		None	None	190 U	190 U	190 U	180 U	190 U	190 U	190 UJ	190 UJ	190 UJ	180 U
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--	--	--	--	--

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels
HG (µg/L)	0.025	0.025	2	2	SDG: 35692731	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: DA41271	SDG: 810128421	SDG: 35692731
Mercury					0.0900 U	0.0560 U	0.0560 U	0.0560 U	0.0560 U	0.0560 U	0.0250 U	0.0560 U	0.0560 U	0.0900 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels
METAL (µg/L)	6	6	6	6	SDG: 35692731	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: DA41271	SDG: 810128421	SDG: 35692731
Antimony	10	10	10	10	0.210 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.100 U	0.0570 U	0.210 U
Arsenic	220	220	2000	2000	0.500 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.500 U	0.890 U	0.500 U
Barium	0.66	0.66	4	4	2.30	2.30	0.0830 U	0.0830 U	2.40	2.40	2.40	0.150 U	0.0830 U	2.30
Beryllium	3	3	5	5	0.0700 U	0.140 U	0.140 U	0.140 U	0.0830 U	0.0830 U	0.0830 U	0.150 U	0.0830 U	0.0700 U
Cadmium	11	11	100	100	0.120 U	1.80	1.80	1.80	1.80	1.80	1.80	0.0500 U	0.140 U	0.120 U
Chromium	2.9	2.9	1300	1300	1.50 J	1.80	1.80	1.80	1.80	1.80	1.80	1.20 J	1.80	1.50 J
Copper	15	15	15	15	8.50	14.0	44.0	27.0	34.0	13.8	9.60	0.700	0.270 J	7.70
Lead	5	5	50	50	0.390 J	0.540	0.260 J	0.140 J	0.140 J	0.140 J	0.140 J	0.300 U	0.270 J	0.510 J
Selenium	2	2	2	2	0.830 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	0.0500 U	0.160 U	0.830 U
Thallium					0.500 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.0500 U	0.160 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-HAMP4138	F2-HAMP4138	F2-HAYS0814	F2-JALU0598	F2-JALU0620	F2-JALU3304	F2-JALU3311	F2-JALU3325		
Residence:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
	4138 Hampton Street	4138 Hampton Street	814 Hays Street	598 Jaluit Street	620 Jaluit Street	3304 Jaluit Lane	3311 Jaluit Lane	3325 Jaluit Lane		
Field Sample ID:	220123-F2-FT01	220123-F2-FT02	F2-TW-1303482-22023-N	220123-F2-GT05	220123-F2-CT05	220123-F2-FT07	220123-F2-IT04	220123-F2-ET03		
Sample Date:	2022-01-23	2022-01-23	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23		
Sample Type:	N	FD	N	N	N	N	N	N		

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	2	None	None	None		
Total Organic Carbon					11.2 J	5.50 J
					0.200 U	0.200 U
					8.30 J	2.08 J
					0.200 U	0.200 U
					2.42 J	

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	200	400	None	None		
Petroleum Hydrocarbons (as Diesel)					91.0 U	90.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	180 U
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	0.025	0.025	2	2		
Mercury					0.0900 U	0.0900 U
					0.0560 U	0.0560 U
					0.0250 U	0.0250 U
					0.0900 U	0.0900 U

		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	6	6	6	6		
Antimony					0.210 U	0.210 U
Arsenic	10	10	10	10	0.500 U	0.500 U
Barium	220	220	2000	2000	2.20	2.10
Beryllium	0.66	0.66	4	4	0.0700 U	0.0700 U
Cadmium	3	3	5	5	0.120 U	0.120 U
Chromium	11	11	100	100	1.40 J	1.30 J
Copper	2.9	2.9	1300	1300	4.30	4.30
Lead	15	5.6	15	15	0.220 U	0.220 U
Selenium	5	5	50	50	0.830 U	0.830 U
Thallium	2	2	2	2	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-JALU3325	F2-KILM3342	F2-KILM3342	F2-KILM3342	F2-KILM3365	F2-KILM5408	F2-KILM5416
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3325 Jaluit Lane	3342 Kilmer Street	3342 Kilmer Street	3342 Kilmer Street	3365 Kilmer Street	5408 Kilmer Lane	5416 Kilmer Lane
Field Sample ID:	F2-TW-1303804-22023-N	220123-F2-ET01	220123-F2-ET02	F2-TW-1302980-22023-N	220123-F2-ET04	220123-F2-HT03	220123-F2-FT04
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-25	2022-01-23	2022-01-23	2022-01-23
Sample Type:	N (72 Hour Stagnation)	N	FD	N (72 Hour Stagnation)	N	N (72 Hour Stagnation)	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
Total Organic Carbon	2	None	None	None	0.220 J	3.75 J	2.83 J	0.210 J	7.57 J	7.01 J

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: 5801095841	SDG: 5801095841	SDG: DA41309	SDG: 5801095841	SDG: DA41227	SDG: 5801095761
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	190 U	92.0 U	92.0 U	190 U	91.0 U	190 U	91.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 UJ	100 UJ	100 UJ	40.0 UJ	100 UJ	40.0 U	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	180 U	180 U	190 UJ	180 U	190 UJ	180 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: 35692837	SDG: 35692837	SDG: DA41309	SDG: 35692837	SDG: DA41227	SDG: 35692277
Mercury	0.025	0.025	2	2	0.0250 U	0.0900 U	0.0900 U	0.0250 U	0.0900 U	0.0250 U	0.0900 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: 35692837	SDG: 35692837	SDG: DA41309	SDG: 35692837	SDG: DA41227	SDG: 35692277
Antimony	6	6	6	6	0.100 U	0.210 U	0.210 U	0.100 U	0.210 U	0.100 U	0.210 U
Arsenic	10	10	10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	2000	2000	2.20	2.50	2.40	2.10	2.20	2.20	2.10
Beryllium	0.66	0.66	4	4	0.150 U	0.0700 U	0.150 U	0.150 U	0.0700 U	0.150 U	0.0700 U
Cadmium	3	3	5	5	0.0500 U	0.120 U	0.0500 U	0.0500 U	0.120 U	0.0500 U	0.120 U
Chromium	11	11	100	100	1.50 J	1.70 J	1.40 J	1.50 J	1.40 J	1.40 J	1.30 J
Copper	2.9	2.9	1300	1300	35.1	58.7	26.1	33.1	6.90	24.6	10.0
Lead	15	5.6	15	15	0.530	0.610 J	0.440 J	0.550	0.350 J	0.290 J	0.460 J
Selenium	5	5	50	50	0.300 U	0.830 U	0.300 U	0.300 U	0.830 U	0.300 U	0.830 U
Thallium	2	2	2	2	0.0500 U	0.500 U	0.0500 U	0.0910 J	0.500 U	0.0500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-KILM5416	F2-KIRK1973	F2-KIRK1975	F2-KIRK1991	F2-KOAI1657	F2-KOAI1657	F2-KOEL5301
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	5416 Kilmer Lane	1973 Kirkpatrick Loop	1975 Kirkpatrick Loop	1991 Kirkpatrick Loop	1654 Koaia Court	1657 Koaia Court	5301 Koelsch Lane
Field Sample ID:	220123-F2-FT05	F2-TW-1304262-22023-N-02	F2-TW-1303639(A)-22023-N	F2-TW-1303578(A)-22023-N	F2-TW-2212502-22023-3-N	F2-TW-2212502-22023-N	220123-F2-HT04
Sample Date:	2022-01-23	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-23
Sample Type:	FD	N	N	N	FD	N	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
GENCHEM (mg/L)	2	None	None	None	SDG: C22A047	SDG: DA41309	SDG: DA41227
Total Organic Carbon					4.28 J	0.540	0.200 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
HC (µg/L)	200	400	None	None	SDG: 5801095761	SDG: DA41309	SDG: DA41227
Petroleum Hydrocarbons (as Diesel)					91.0 U	190 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	40.0 UJ	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	190 UJ	190 UJ
Total Petroleum Hydrocarbons	211				--	--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
HG (µg/L)	0.025	0.025	2	2	SDG: 35692277	SDG: DA41309	SDG: DA41227
Mercury					0.0900 U	0.0250 U	0.0250 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels			
METAL (µg/L)	6	6	6	6	SDG: 35692277	SDG: DA41309	SDG: DA41227
Antimony					0.210 U	0.100 U	0.100 U
Arsenic	10	10	10	10	0.500 U	0.500 U	0.500 U
Barium	220	220	2000	2000	2.10	2.40	2.10
Beryllium	0.66	0.66	4	4	0.0700 U	0.150 U	0.150 U
Cadmium	3	3	5	5	0.120 U	0.0500 U	0.0500 U
Chromium	11	11	100	100	1.40 J	1.50 J	1.40 J
Copper	2.9	2.9	1300	1300	12.0	9.50	12.8
Lead	15	5.6	15	15	0.410 J	0.130 J	0.300 J
Selenium	5	5	50	50	0.830 U	0.300 U	0.300 U
Thallium	2	2	2	2	0.500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-KOUH1857	F2-KOUH1877	F2-LIPP2089	F2-LIPP2089	F2-LOUN4108	F2-LOUN4114	F2-LOUN4114	F2-LOUN4114	F2-MALO0577	
Residence:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
	1857 Kou Haole Loop	1877 Kou Haole Loop	2089 Lippia Loop	2089 Lippia Loop	4108 Lounsbury Street	2089 Lippia Loop	4114 Lounsbury Street	4114 Lounsbury Street	577 Maloelap Lane	
Field Sample ID:	F2-TW-2212503-22023-N	F2-TW-2212504-22023-N	F2-TW-1304219(A)-22023-3-N	F2-TW-1304219(A)-22023-3-N	F2-TW-1303533-22023-N	F2-TW-1303534-22023-3-N	F2-TW-1303534-22023-N	F2-TW-1303534-22023-N	F2-JT06	
Sample Date:	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-23	
Sample Type:	N	N	FD	N	N	FD	N	N	N	

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	Incident Specific Parameters	2	None	None	SDG: C22A051 rev2	SDG: DA41309
Total Organic Carbon					1.98	0.510
					2.71	0.510

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	Incident Specific Parameters	200	None	None	SDG: 5801096941	SDG: DA41309
Petroleum Hydrocarbons (as Diesel)		400	None	None	94.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)		300	None	None	100 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)		500	None	None	190 U	190 UJ
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	Incident Specific Parameters	0.025	2	2	SDG: 810131351	SDG: DA41309
Mercury		0.025	2	2	0.0560 U	0.0250 U
					0.0560 U	0.0560 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	Incident Specific Parameters	6	6	6	SDG: 810131351	SDG: DA41309
Antimony		6	6	6	0.0570 U	0.100 U
Arsenic	10	10	10	10	0.890 U	0.500 U
Barium	220	220	2000	2000	2.60	2.70
Beryllium	0.66	0.66	4	4	0.0830 U	0.150 U
Cadmium	3	3	5	5	0.140 U	0.0500 U
Chromium	11	11	100	100	1.80	1.40 J
Copper	2.9	2.9	1300	1300	140	188
Lead	15	5.6	15	15	83.0	11.4
Selenium	5	5	50	50	0.0880 U	0.300 J
Thallium	2	2	2	2	0.160 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MALO3256	F2-MALO3271	F2-MCFA0813	F2-MEYE0582	F2-MEYE0584	F2-MEYE0604	F2-MEYE0604
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3256 Maloelap Street	3271 Maloelap Street	813 McFaddin Street	582 Meyerkord Loop	584 Meyerkord Loop	604 Meyerkord Loop	604 Meyerkord Loop
Field Sample ID:	F2-TW-1303075-22023-N	F2-TW-1303076-22023-N	F2-TW-1303539-22023-N	F2-TW-1304039-22023-N	F2-TW-1304037-22023-N	220123-F2-ET05	F2-TW-1303798-22023-3-N
Sample Date:	2022-01-24	2022-01-24	2022-01-25	2022-01-24	2022-01-25	2022-01-23	2022-01-25
Sample Type:	N	N	N	FD	N	N	FD

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: DA41227	SDG: DA41227	SDG: DA41309	SDG: C22A047	SDG: DA41309
Total Organic Carbon	2	None	None	None	0.200 U	0.200 U	3.86	0.200 U	0.200 U	0.200 U	1.92 J	0.330 J

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271A	SDG: DA41271	SDG: 5801096641	SDG: DA41227	SDG: DA41227	SDG: DA41309	SDG: 5801095761	SDG: DA41309
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	190 U	190 UJ	92.0 J	190 U	190 U	190 U	91.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U	40.0 U	100 UJ	40.0 U	40.0 UJ	100 UJ	100 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	190 UJ	180 U	190 UJ	190 UJ	180 U	180 U	190 UJ
Total Petroleum Hydrocarbons	211	--	--	--	--	--	92	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41227	SDG: DA41309	SDG: 35692277	SDG: DA41309
Mercury	0.025	0.025	2	2	0.0250 U	0.0250 U	0.0900 U	0.0250 U	0.0250 U	0.0250 U	0.0900 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41227	SDG: DA41309	SDG: 35692277	SDG: DA41309
Antimony	6	6	6	6	0.100 U	0.100 U	0.210 U	0.100 U	0.100 U	0.100 U	0.210 U	0.100 U
Arsenic	10	10	10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	2000	2000	2.00	2.10	2.30	2.10	2.10	2.50	2.40	2.30
Beryllium	0.66	0.66	4	4	0.150 U	0.150 U	0.0700 U	0.150 U	0.150 U	0.150 U	0.0700 U	0.150 U
Cadmium	3	3	5	5	0.0500 U	0.0500 U	0.120 U	0.0500 U	0.0500 U	0.0500 U	0.120 U	0.0500 U
Chromium	11	11	100	100	1.20 J	1.10 J	1.40 J	1.30 J	1.10 J	1.50 J	1.40 J	1.50 J
Copper	2.9	2.9	1300	1300	8.10	15.0	26.0	17.3	17.4	6.40	48.6	26.9
Lead	15	5.6	15	15	0.220 J	0.440 J	1.30	0.260 J	0.250 J	0.170 J	1.70	0.350 J
Selenium	5	5	50	50	0.300 U	0.300 U	0.830 U	0.300 U	0.300 U	0.300 U	0.830 U	0.300 U
Thallium	2	2	2	2	0.0500 U	0.0980 J	0.500 U	0.0500 U	0.0500 U	0.0500 U	0.500 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MEYE0604	F2-MEYE0630	F2-MEYE0630	F2-MEYE0654	F2-MEYE0657	F2-MOOR3029	F2-MORE3104	F2-MORE3128
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	604 Meyerkord Loop	630 Meyerkord Loop	630 Meyerkord Loop	654 Meyerkord Loop	657 Meyerkord Loop	3029 Moore Drive	3104 Moreell Circle	3128 Moreell Circle
Field Sample ID:	F2-TW-1303798-22023-N	F2-TW-1304034-22023-3-N	F2-TW-1304034-22023-N	220123-F2-IT03	220123-F2-IT02	220123-F2-KT03	220123-F2-AT07	220123-F2-IT06
Sample Date:	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23
Sample Type:	N (72 Hour Stagnation)	FD	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: C22A047	SDG: DA41160
Total Organic Carbon			None	None	0.670	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	6.35 J	0.200 U

HC (µg/L)	Incident Specific Parameters	200	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41309	SDG: DA41271	SDG: DA41271A	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 5801095761	SDG: DA41160
Petroleum Hydrocarbons (as Diesel)			400	None	190 U	190 U	190 U	180 UJ	190 UJ	190 U	94.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)			300	None	40.0 UJ	40.0 U	40.0 U	40.0 UJ	40.0 UJ	100 UJ	100 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)			500	None	190 UJ	190 UJ	190 UJ	180 UJ	190 UJ	190 UJ	190 U	190 UJ
Total Petroleum Hydrocarbons		211			--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	0.025	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810129051	SDG: DA41160
Mercury			0.025	2	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0560 U	0.0560 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	6	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810129051	SDG: DA41160
Antimony			6	6	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.0570 U	0.100 U
Arsenic			10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.890 U	0.890 U	0.500 U
Barium			220	2000	2.20	2.00	2.10	2.20	2.10	2.40	2.00	2.00
Beryllium			0.66	4	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.0830 U	0.0830 U	0.150 U
Cadmium			3	5	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.140 U	0.0500 U
Chromium			11	100	1.60 J	1.10 J	1.20 J	2.10	1.90 J	2.00	1.90	2.20
Copper			2.9	1300	26.5	8.70	13.2	74.2	9.30	41.8	90.0	32.5
Lead			15	15	0.320 J	0.220 J	0.260 J	0.290 J	0.280 J	0.270 J	0.260 J	0.150 J
Selenium			5	50	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	1.60 U	1.60 U	0.300 U
Thallium			2	2	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.160 U	0.160 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MORE3148	F2-MORE3301	F2-MURR0741	F2-MURR0790	F2-MURR0790	F2-MURR0798	F2-MURR0845	F2-MURR0846
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3148 Moreell Circle	3301 Moreell Drive	741 Murray Drive	790 Murray Drive	790 Murray Drive	798 Murray Drive	845 Murray Drive	846 Murray Drive
Field Sample ID:	220123-F2-JT02	220123-F2-JT05	F2-TW-2212505-22023-N	F2-TW-145069-22023-3-N	F2-TW-145069-22023-N	F2-TW-2201045-22023-N-01	F2-TW-2201013-22023-N	F2-TW-145083-22023-N
Sample Date:	2022-01-23	2022-01-23	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-25
Sample Type:	N	N	N	FD	N	N	N	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels				
GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2
Total Organic Carbon	2	None	None	0.200 U	0.200 U	4.51	5.84	4.77
								6.10

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels				
HC (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 5801096641	SDG: 5801096642	SDG: 5801096641
Petroleum Hydrocarbons (as Diesel)	200	400	None	180 UJ	190 U	92.0 U	92.0 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	40.0 UJ	40.0 UJ	100 UJ	100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	180 UJ	190 UJ	180 U	180 U	180 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels				
HG (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 35692731	SDG: 35692731
Mercury	0.025	0.025	2	0.0250 U	0.0250 U	0.0900 U	0.0900 U	0.0900 U
							0.0680 J	

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels				
METAL (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 35692731	SDG: 35692731
Antimony	6	6	6	0.100 U	0.100 U	0.210 U	0.0570 U	0.210 U
Arsenic	10	10	10	0.500 U	0.500 U	0.500 U	0.890 U	0.500 U
Barium	220	220	2000	2.10	2.40	2.50	2.50	2.50
Beryllium	0.66	0.66	4	0.150 U	0.150 U	0.0700 U	0.0830 U	0.0700 U
Cadmium	3	3	5	0.0510 U	0.0500 U	0.120 U	0.140 U	0.120 U
Chromium	11	11	100	2.40	1.40 J	1.50 J	1.40 J	1.40 J
Copper	2.9	2.9	1300	94.0	12.2	4.10	10.3	7.70
Lead	15	5.6	15	0.550	0.250 J	0.360 J	0.230 J	0.220 U
Selenium	5	5	50	0.310 U	0.300 U	0.830 U	0.830 U	0.830 U
Thallium	2	2	2	0.0510 U	0.0500 U	0.500 U	0.160 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MURR0863	F2-MURR0863	F2-MURR0872	F2-MURR0874	F2-MURR0888	F2-MURR0958	F2-MURR0966	F2-NOON4018
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	863 Murray Drive	863 Murray Drive	872 Murray Drive	874 Murray Drive	888 Murray Drive	958 Murray Drive	966 Murray Drive	4018 Noonan Street
Field Sample ID:	F2-TW-143501-22023-3-N	F2-TW-143501-22023-N	F2-TW-143501-22023-220126F2AT06	F2-TW-549198-22023-N	F2-TW-2201014-22023-N	F2-TW-22012401-22023-N	F2-TW-22012402-22023-N	F2-TW-1303598-22023-N
Sample Date:	2022-01-25	2022-01-25	2022-01-26	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	FD	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
Incident Specific Parameters	GENCHEM (mg/L)	Action Levels	Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:
Total Organic Carbon	2	None	None	None	C22A051 rev2	C22a049 rev1
					5.52	4.74
					4.98	0.200 U
					0.200 U	5.91

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
Incident Specific Parameters	HC (µg/L)	Action Levels	Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	5801096941	5801096101
					94.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	40.0 U
					100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	190 UJ
					180 U	460
Total Petroleum Hydrocarbons	211	--	--	--	--	640

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
Incident Specific Parameters	HG (µg/L)	Action Levels	Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:
Mercury	0.025	0.025	2	2	35692973	0.0250 U
					0.0900 U	0.0250 U
					0.0900 U	0.0900 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
Incident Specific Parameters	METAL (µg/L)	Action Levels	Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:
Antimony	6	6	6	6	35692973	0.210 U
Arsenic	10	10	10	10	0.500 U	0.500 U
Barium	220	220	2000	2000	2.60	2.40
Beryllium	0.66	0.66	4	4	0.0700 U	0.150 U
Cadmium	3	3	5	5	0.120 U	0.0500 U
Chromium	11	11	100	100	1.40 J	1.20 J
Copper	2.9	2.9	1300	1300	3.00	3.00
Lead	15	5.6	15	15	2.90	4.60
Selenium	5	5	50	50	0.220 U	0.130 U
Thallium	2	2	2	2	0.830 U	0.0500 U
					0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-NOON4061	F2-NYEC1676	F2-NYEC1676	F2-NYEC1722	F2-NYEP1932	F2-OCAL1920	F2-PETE3224	F2-PETE3226		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	4061 Noonan Street	1676 Nye Circle	1676 Nye Circle	1722 Nye Circle	1932 Nye Place	1920 O'Callahan Street	3224 Peterson Court	3226 Peterson Court		
Field Sample ID:	F2-TW-1303666-22023-N	F2-TW-2212507-22023-3-N	F2-TW-2212507-22023-N	F2-TW-2212508-22023-N	F2-TW-1303642-22023-N-01	F2-TW-2201017-22023-N	220123-F2-AT06	220123-F2-LT06		
Sample Date:	2022-01-24	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23		
Sample Type:	N	FD	N	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: C22a049 rev2
Total Organic Carbon	2	None	None	None	7.28	3.99
					4.52	1.53

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 5801096101	SDG: 5801096941
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	92.0 U	94.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	190 U
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731
Mercury	0.025	0.025	2	2	0.110 J	0.0900 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731
Antimony	6	6	6	6	0.210 U	0.210 U
Arsenic	10	10	10	10	0.500 U	0.500 U
Barium	220	220	2000	2000	2.60	2.60
Beryllium	0.66	0.66	4	4	0.0700 U	0.0700 U
Cadmium	3	3	5	5	0.120 U	0.120 U
Chromium	11	11	100	100	1.50 J	1.70 J
Copper	2.9	2.9	1300	1300	17.1	59.1
Lead	15	5.6	15	15	0.530 J	0.400 J
Selenium	5	5	50	50	0.830 U	0.830 U
Thallium	2	2	2	2	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-PETE3240	F2-PETE3240	F2-POOL0617	F2-POOL0683	F2-POOL0726	F2-ROGE0830	F2-SAND0721
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3240 Peterson Court	3240 Peterson Court	617 Pool Street	683 Pool Street	726 Pool Street	830 Rogers Street	721 Sanders Circle
Field Sample ID:	220123-F2-CT01	220123-F2-CT02	F2-TW-1303385-22023-N	F2-TW-1304317-22023-N	F2-TW-1303363-22023-N	F2-TW-137350-22023-N	220123-F2-DT01
Sample Date:	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-23
Sample Type:	N	FD	N	N	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	
GENCHEM (mg/L)	2	None	None	None	C22A047	C22A047
Total Organic Carbon	7.49 J		6.93 J	0.200 U	0.200 U	4.30 J

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	
HC (µg/L)	200	400	None	None	5801095761	5801095841
Petroleum Hydrocarbons (as Diesel)	200	300	None	None	93.0 U	93.0 U
Petroleum Hydrocarbons (as Gasoline)	200	500	None	None	31.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	211	190	190 J	190 U	190 U
Total Petroleum Hydrocarbons	211	--	190	--	--	--

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	
HG (µg/L)	0.025	0.025	2	2	810128421	810130371
Mercury	0.025	0.0560 U	0.0560 U	0.0560 U	0.0250 U	0.0900 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	
METAL (µg/L)	6	6	6	6	810128421	810130371
Antimony	10	10	10	10	0.890 U	0.210 U
Arsenic	220	220	2000	2000	0.890 U	0.500 U
Barium	0.66	0.66	4	4	2.40	2.20
Beryllium	3	3	5	5	0.0830 U	0.0700 U
Cadmium	11	11	100	100	0.140 U	0.120 U
Chromium	2.9	2.9	1300	1300	1.80	1.40 J
Copper	15	5.6	15	15	11.5	2.30
Lead	5	5	50	50	4.80	6.20
Selenium	2	2	2	2	0.140 J	0.220 U
Thallium	2	2	2	2	0.380 J	0.830 U
					0.160 U	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-SCHM2788	F2-SHIE3278	F2-SHIE5230	F2-SHIE5230	F2-SHIE5264	F2-SHIE5294	F2-SHIE5352	F2-SIBL0716
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2788 Schmitt Parkway	3278 Shields Lane	5230 Shields Street	5230 Shields Street	5264 Shields Street	5294 Shields Street	5352 Shields Street	716 Sibley Street
Field Sample ID:	F2-TW-2201045-22023-N-02	220123-F2-KT02	220123-F2-ET07	F2-TW-1304027-22023-N	220123-F2-GT04	F2-TW-1304075-22023-N	220123-F2-JT03	F2-TW-1304339-22023-N
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-25	2022-01-23	2022-01-25	2022-01-23	2022-01-24
Sample Type:	N	N	N	N (72 Hour Stagnation)	N	N	N	N

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	2	None	None	None		
Total Organic Carbon					4.64	0.200 U
					1.87 J	0.200 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	200	400	None	None		
Petroleum Hydrocarbons (as Diesel)					91.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ	190 UJ
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	0.025	0.025	2	2		
Mercury					0.0900 U	0.0560 U
					0.0900 U	0.0250 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	6	6	6	6		
Antimony	10	10	10	10	0.0570 U	0.0570 U
Arsenic	220	220	2000	2000	0.500 U	0.500 U
Barium	0.66	0.66	4	4	0.0700 U	0.0700 U
Beryllium	3	3	5	5	0.120 U	0.0500 U
Cadmium	11	11	100	100	1.40 J	1.60 J
Chromium	2.9	2.9	1300	1300	0.500 U	0.500 U
Copper	15	5.6	15	15	0.0830 U	0.0830 U
Lead	5	5	50	50	0.140 U	0.140 U
Selenium	2	2	2	2	0.0570 U	0.0570 U
Thallium					0.0560 U	0.0560 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-SIBL0722	F2-SNYD3166	F2-SNYD3166	F2-STOW2583	F2-STOW2607	F2-STOW2608	F2-STOW2643	F2-STOW2708
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	722 Sibley Street	3166 Snyder Court	3166 Snyder Court	2583 Stowell Circle	2607 Stowell Circle	2608 Stowell Circle	2643 Stowell Circle	2708 Stowell Circle
Field Sample ID:	F2-TW-1304341 - 22023-N	220123-F2-LT05	F2-TW-1303363(A)- 22023-N	F2-TW-548053-22023- N	F2-TW-548057-22023- N	F2-TW-1304262- 22023-N-01	F2-TW-549193-22023- N	F2-TW-2201019- 22023-3-N
Sample Date:	2022-01-25	2022-01-23	2022-01-25	2022-01-25	2022-01-24	2022-01-25	2022-01-24	2022-01-24
Sample Type:	N	N	N (72 Hour Stagnation)	N	N	N	N	FD

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:
Total Organic Carbon	2	None	None	None	C22A051 rev2	C22a049 rev1
					DA41160	DA41309
					0.200 U	0.200 J
					0.220 J	0.200 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	5801096641	5801096161
					SDG: DA41160	SDG: DA41309
					180 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	97.0 U	96.0 U
					40.0 UJ	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	100 UJ	100 UJ
					190 UJ	200 U
Total Petroleum Hydrocarbons	211				--	--

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:
Mercury	0.025	0.025	2	2	810131351	810130371
					0.0560 U	0.0560 U
					0.0250 U	0.0560 U
					0.0600 J	0.0560 U

		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels		
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:
Antimony	6	6	6	6	810131351	810130371
					0.0570 U	0.0570 U
Arsenic	10	10	10	10	0.100 U	0.0570 U
					0.500 U	0.890 U
Barium	220	220	2000	2000	2.30	2.70
					2.60	2.50
Beryllium	0.66	0.66	4	4	0.150 U	0.0830 U
Cadmium	3	3	5	5	0.0500 U	0.140 U
					0.140 U	0.140 U
Chromium	11	11	100	100	1.60 J	1.70
					1.70	1.70
Copper	2.9	2.9	1300	1300	3.90	8.40
					8.00	3.70
Lead	15	5.6	15	15	0.130 U	0.350 J
					0.330 J	0.180 J
Selenium	5	5	50	50	0.300 U	1.60 U
					1.60 U	1.60 U
Thallium	2	2	2	2	0.0500 U	0.160 U
					0.160 U	0.160 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-STOW2708	F2-STOW2731	F2-STOW2760	F2-STOW2784	F2-STOW2787	F2-TIAR1705	F2-TOMI3186	F2-TOMI3248
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2708 Stowell Circle	2731 Stowell Circle	2760 Stowell Circle	2784 Stowell Circle	2787 Stowell Circle	1705 Tiare Court	3186 Tomich Court	3248 Tomich Court
Field Sample ID:	F2-TW-2201019-22023-N	F2-TW-2201020-22023-N	F2-TW-2201021-22023-N	F2-TW-549227-22023-N	F2-TW-2201011(a)-22023-N	F2-TW-2212511-22023-N	220123-F2-CT04	220123-F2-IT05
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-25	2022-01-25	2022-01-23	2022-01-23
Sample Type:	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	None	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22A051 rev2	SDG: C22A047	SDG: DA41160
Total Organic Carbon			None			0.200 U	0.200 U	0.200 U	1.96	11.1 J	0.200 U

HC (µg/L)	Incident Specific Parameters	200	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	None	SDG: 5801096161	SDG: 5801096161	SDG: 5801096941	SDG: 5801095761	SDG: DA41160
Petroleum Hydrocarbons (as Diesel)			400			95.0 U	92.0 U	95.0 U	92.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)			300			100 UJ	100 UJ	100 U	31.0 U	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)			500			190 U	180 U	190 U	180 U	190 UJ
Total Petroleum Hydrocarbons		211	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	0.025	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	2	SDG: 810130371	SDG: 810130371	SDG: 810130371	SDG: 810131351	SDG: 810128421	SDG: DA41160
Mercury			0.025			0.0560 U	0.0560 U	0.0560 U	0.0560 J	0.0560 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	6	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	6	SDG: 810130371	SDG: 810130371	SDG: 810130371	SDG: 810131351	SDG: 810128421	SDG: DA41160
Antimony			6			0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.100 U
Arsenic			10			0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.500 U
Barium			220			2.50	2.40	2.50	2.60	2.10	2.20
Beryllium			0.66			0.0830 U	0.0830 U	0.0700 U	0.0830 U	0.0830 J	0.150 U
Cadmium			3			0.140 U	0.140 U	0.120 U	0.140 U	0.140 U	0.0500 U
Chromium			11			1.70	1.60	1.50 J	1.80	1.80	2.00
Copper			2.9			4.30	4.70	14.1	88.0	78.0	95.6
Lead			15			0.220 J	0.280 J	0.340 J	0.390 J	0.140 J	12.7
Selenium			5			1.60 U	1.60 U	0.830 U	1.60 J	1.60 U	0.300 U
Thallium			2			0.160 U	0.160 U	0.500 U	0.160 U	0.160 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-VAES3034	F2-VAES3034	F2-VAES3040	F2-VAES3080
Location Type:	Residence	Residence	Residence	Residence
Residence:	3034 Vaessen Court	3034 Vaessen Court	3040 Vaessen Court	3080 Vaessen Court
Field Sample ID:	220123-F2-ET08	F2-TW-2212512-22023-N	220123-F2-AT05	220123-F2-LT03
Sample Date:	2022-01-23	2022-01-25	2022-01-23	2022-01-23
Sample Type:	N	N (72 Hour Stagnation)		N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A047	SDG: DA41271	SDG: C22A047	SDG: DA41160
Total Organic Carbon	2	None	None	None	1.62 J	0.620	6.23 J	0.200 U

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801095761	SDG: DA41271	SDG: 5801095761	SDG: DA41160
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	94.0 U	190 UJ	94.0 U	190 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 UJ	40.0 U	100 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 U	190 UJ	190 U	190 UJ
Total Petroleum Hydrocarbons	211				--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Mercury	0.025	0.025	2	2	0.0900 U	0.0250 U	0.0560 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Antimony	6	6	6	6	0.210 U	0.100 U	0.0570 U	0.100 U
Arsenic	10	10	10	10	0.500 U	0.500 U	0.890 U	0.500 U
Barium	220	220	2000	2000	2.70	2.60	2.50	2.30
Beryllium	0.66	0.66	4	4	0.0700 U	0.150 U	0.0830 U	0.150 U
Cadmium	3	3	5	5	0.120 U	0.0500 U	0.140 U	0.0500 U
Chromium	11	11	100	100	1.30 J	1.00 J	1.80	2.00
Copper	2.9	2.9	1300	1300	48.1	138	45.0	26.4
Lead	15	5.6	15	15	0.290 J	3.10	1.80	0.130 U
Selenium	5	5	50	50	0.830 U	0.300 U	1.60 U	0.300 U
Thallium	2	2	2	2	0.500 U	0.0500 U	0.160 U	0.0500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-ANDE2826	F2-ANDE2848	F2-ANDE2888	F2-ANDE2888	F2-ANDE2944	F2-ANDE2978	F2-ANDE3004	F2-ANDE3004
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2826 Anderson Avenue	2848 Anderson Avenue	2888 Anderson Avenue	2888 Anderson Avenue	2944 Anderson Avenue	2978 Anderson Avenue	3004 Anderson Avenue	3004 Anderson Avenue
Field Sample ID:	F2-TW-135165-22023-N	F2-TW-135173-22023-N	F2-TW-136011-22023-3-N	F2-TW-136011-22023-N	220123-F2-KT06	F2-TW-1304118-22023-N	F2-TW-1304154-22023-3-N	F2-TW-1304154-22023-N
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-24	2022-01-24	2022-01-24
Sample Type:	N	N	FD	N	N	N	FD	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
		Environmental Action Levels Table D-1A	Environmental Protection Agency									
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.240 U	0.240 U	0.240 U	0.0200 U	0.180 U	--
2-Methylnaphthalene	4.7	10	None	None	None	0.190 U	0.240 U	0.240 U	0.240 U	0.0200 U	0.190 U	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 UJ	0.00950 U	0.00950 U	0.00950 U	0.00980 U	0.0190 UJ	--
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 UJ	0.380 U	0.380 U	1.40 J	0.590 U	0.470 UJ	--
Naphthalene	12	17	None	None	None	0.180 U	0.240 U	0.240 U	0.240 U	0.0200 U	0.180 U	--

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22a049 rev1	SDG: 35692837	SDG: C22a049 rev1
		Environmental Action Levels Table D-1A	Environmental Protection Agency									
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.500 U	0.500 U	0.500 U	0.119 U	--	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.500 U	0.500 U	0.500 U	0.288 U	--	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.500 U	0.500 U	0.500 U	0.128 U	--	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.500 U	0.500 U	0.500 U	0.318 U	--	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.500 U	0.500 U	0.500 U	0.272 U	--	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.500 U	0.500 U	0.500 U	0.0884 U	--	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.500 U	0.500 U	0.500 U	0.129 U	--	0.129 U
1,4-Dichlorobenzene	5	5	75	None	None	0.245 U	0.500 U	0.500 U	0.500 U	0.245 U	--	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.500 U	0.500 U	0.500 U	0.0846 U	--	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.500 U	0.500 U	0.500 U	0.165 U	--	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.500 U	0.500 U	0.500 U	0.146 U	--	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.500 U	0.500 U	0.500 U	0.0570 U	--	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.500 U	0.500 U	0.500 U	0.141 U	--	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.500 U	0.500 U	0.500 U	0.317 U	--	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	0.500 U	0.500 U	0.500 U	2.15 U	--	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.500 U	0.500 U	0.500 U	0.157 U	--	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.500 U	0.500 U	0.500 U	0.224 U	--	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.500 U	0.500 U	0.500 U	0.125 U	--	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.500 U	0.500 U	0.500 U	0.120 U	--	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.500 U	0.500 U	0.500 U	0.0958 U	--	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.500 U	0.500 U	0.500 U	0.0574 U	--	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.500 U	0.500 U	0.500 U	0.611 U	--	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	0.500 U	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
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Location ID:	F2-ANDE3016	F2-ANDE3052	F2-ANDE3052	F2-ARIZ2791	F2-ARIZ2793	F2-ARIZ2907	F2-ARIZ2909	F2-ARIZ2909
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3016 Anderson Avenue	3052 Anderson Avenue	3052 Anderson Avenue	2791 Arizona Road	2793 Arizona Road	2907 Arizona Road	2909 Arizona Road	2909 Arizona Road
Field Sample ID:	F2-TW-1304166-22023-N	220123-F2-CT06	220123-F2-CT07	F2-TW-549209-22023-N	F2-TW-2201011-22023-N	F2-TW-1304288-22023-N	F2-TW-22102403-22023-3-N	F2-TW-22102403-22023-N
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	N	N	N	N	N	N	FD	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels					
1-Methylnaphthalene	2.1	10	None	None	None	None	None	810129051	810130371	810130371	35692837	DA41271
2-Methylnaphthalene	4.7	10	None	None	None	None	None	0.0190 U	0.0190 U	0.0190 U	0.170 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.00990 U	0.00970 U	0.00970 U	0.00970 U	0.00950 U	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	0.590 U	0.580 U	0.580 U	0.580 U	0.470 UJ	0.380 U
Naphthalene	12	17	None	None	None	None	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.170 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels					
1,1,1-Trichloroethane	11	11	200	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	5	5	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	None	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U	0.500 U
Benzene	5	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U	0.500 U
Chlorobenzene	25	25	100	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.500 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U	0.500 U
m,p-Xylene	10000	13	None	None	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	0.500 U
Methylene chloride	5	5	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	0.500 U
o-Xylene	10000	13	None	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	0.500 U
Styrene	10	10	100	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U	0.500 U
Toluene	1000	9.8	1000	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.500 U
Vinyl chloride	2	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	10000	--	--	--	--	--	--

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Location ID:	F2-ARIZ2913	F2-ARIZ3004	F2-ARIZ3085	F2-BENF5419	F2-BENF5437	F2-BENF5437	F2-BLDG0603
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Non-Residence
Residence:	2913 Arizona Road	3004 Arizona Road	3085 Arizona Road	5419 Benfold Lane	5437 Benfold Lane	5437 Benfold Lane	Building 603, POOL BATH HOUSE POOL Street
Field Sample ID:	F2-TW-1303054-22023-N	F2-TW-22102404-22023-N	220123-F2-LT08	220123-F2-FT06	220123-F2-ET06	F2-TW-1303914-22023-N	220129F2CT02
Sample Date:	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-25	2022-01-29
Sample Type:	N	N	N	N	N	FD	N (72 Hour Stagnation)

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Environmental Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	Environmental Action Levels	Table D-1A
1-Methylnaphthalene	2.1	10		None	None	35692837	SDG: DA41271
2-Methylnaphthalene	4.7	10		None	None	0.180 U	0.240 U
Benzo(a)pyrene	0.06	0.06		0.2	0.2	0.190 U	0.240 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.0200 UJ	0.00960 U
Naphthalene	12	17		None	None	0.470 UJ	0.380 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Environmental Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	Environmental Action Levels	Table D-1A
1,1,1-Trichloroethane	11	11		200	200	SDG: C22a049 rev1	SDG: DA41271
1,1,2-Trichloroethane	5	5	3	3	5	0.119 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	0.288 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.128 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	0.318 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.272 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.318 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.272 U	0.500 U
Benzene	5	5	5	5	5	0.288 UJ	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.128 U	0.500 U
Chlorobenzene	25	25	100	100	100	0.318 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.272 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	0.0884 U	0.500 U
m,p-Xylene	10000	13	None	None	None	0.129 U	0.500 U
Methylene chloride	5	5	5	5	5	0.245 U	0.500 U
o-Xylene	10000	13	None	None	None	0.245 U	0.500 U
Styrene	10	10	100	100	100	0.0846 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.165 U	0.500 U
Toluene	1000	9.8	1000	1000	1000	0.165 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.146 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	0.0570 U	0.500 U
Vinyl chloride	2	2	2	2	2	0.141 U	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	0.0570 U	0.500 U

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Location ID:										
Location Type:	F2-BRID3073	F2-BRID3077	F2-BRID3077	F2-CATL5228	F2-CATL5260	F2-CATL5280	F2-CATL5300	F2-CATL5318		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	3073 Bridges Street	3077 Bridges Street	3077 Bridges Street	5228 Catlin Lane	5260 Catlin Lane	5280 Catlin Lane	5300 Catlin Lane	5318 Catlin Lane		
Field Sample ID:	F2-TW-1304165-22023-N	F2-TW-1304142-22023-3-N	F2-TW-1304142-22023-N	220123-F2-GT06	220123-F2-GT09	220123-F2-FT03	220123-F2-GT10	220123-F2-HT05		
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23		
Sample Type:	N	FD	N	N	N	N	N	N		

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		Environmental		Environmental	
		Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents
1-Methylnaphthalene	2.1	10	None		None	None	None		None		None
2-Methylnaphthalene	4.7	10	None		None	None	None		None		None
Benzo(a)pyrene	0.06	0.06	0.2		0.2	0.00950 U	0.00950 U		0.00950 U		0.00950 U
Bis(2-ethylhexyl)phthalate	3	3	6		6	0.380 U	0.380 U		0.380 U		1.40 J
Naphthalene	12	17	None		None	0.240 U	0.240 U		0.240 U		0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		Environmental		Environmental	
		Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents
1,1,1-Trichloroethane	11	11	200		200	0.500 U	0.500 U		0.500 U		0.500 U
1,1,2-Trichloroethane	5	5	3		3	0.500 U	0.500 U		0.500 U		0.500 U
1,1-Dichloroethene	7	7	7		7	0.500 U	0.500 U		0.500 U		0.500 U
1,2,4-Trichlorobenzene	70	70	70		70	0.500 U	0.500 U		0.500 U		0.500 U
1,2-Dichlorobenzene	10	10	600		600	0.500 U	0.500 U		0.500 U		0.500 U
1,2-Dichloroethane	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
1,2-Dichloropropane	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
1,4-Dichlorobenzene	5	5	75		75	0.500 U	0.500 U		0.500 U		0.500 U
Benzene	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
Carbon Tetrachloride	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
Chlorobenzene	25	25	100		100	0.500 U	0.500 U		0.500 U		0.500 U
cis-1,2-Dichloroethene	70	70	70		70	0.500 U	0.500 U		0.500 U		0.500 U
Ethylbenzene	700	7.3	700		700	0.500 U	0.500 U		0.500 U		0.500 U
m,p-Xylene	10000	13	None		None	0.500 U	0.500 U		0.500 U		0.500 U
Methylene chloride	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
o-Xylene	10000	13	None		None	0.500 U	0.500 U		0.500 U		0.500 U
Styrene	10	10	100		100	0.500 U	0.500 U		0.500 U		0.500 U
Tetrachloroethene (PCE)	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
Toluene	1000	9.8	1000		1000	0.500 U	0.500 U		0.500 U		0.500 U
trans-1,2-Dichloroethene	100	100	100		100	0.500 U	0.500 U		0.500 U		0.500 U
Trichloroethene (TCE)	5	5	5		5	0.500 U	0.500 U		0.500 U		0.500 U
Vinyl chloride	2	2	2		2	0.500 U	0.500 U		0.500 U		0.500 U
Xylenes, Total	10000	13	10000		10000	--	--		0.500 U		0.500 U

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Location ID:	F2-COLE4109	F2-CURT3001	F2-DALY3049	F2-DEWE3209	F2-DEWE3234	F2-DOR12267C	F2-DOR12269A
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	4109 Colegrove Street	3001 Curtis Drive	3049 Daly Drive	3209 Dewert Lane	3234 Dewert Lane	267C Doris Miller Loop	269A Doris Miller Loop
Field Sample ID:	F2-TW-1303352-22023-N	F2-TW-22102405-22023-N	F2-TW-133157-22023-N	220123-F2-LT04	220123-F2-IT01	220123-F2-LT02	220123-F2-AT04
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23
Sample Type:	N	N	N	N	N	FD	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Specific Groundwater Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271
1-Methylnaphthalene	2.1	10		None	None	0.180 U	0.240 U
2-Methylnaphthalene	4.7	10		None	None	0.190 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 UJ	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 UJ	0.380 U
Naphthalene	12	17	None	None	None	0.180 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Specific Groundwater Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.500 U
Benzene	5	5	5	5	5	0.0846 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.500 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.500 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.500 U
Methylene chloride	5	5	5	5	5	2.15 U	0.500 U
o-Xylene	10000	13	None	None	None	0.157 U	0.500 U
Styrene	10	10	100	100	100	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.500 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.500 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	--	--

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Location ID: F2-DORI2274C F2-DORI2274C F2-ENG4062 F2-FINC4141 F2-FINC4175 F2-GILL3177
Location Type: Residence Residence Residence Residence Residence Residence
Residence: 274C Doris Miller Loop 274C Doris Miller Loop 4062 Enger Street 4141 Fincher Street 4175 Fincher Street 3177 Gillespie Lane

Field Sample ID: F2-TW-2201050-22023-3-N F2-TW-2201050-22023-N F2-TW-1303371-22023-N F2-TW-22102407-22023-N F2-TW-1303434-22023-3-N F2-TW-1303434-220123-F2-GT07
Sample Date: 2022-01-25 2022-01-25 2022-01-24 2022-01-24 2022-01-25 2022-01-23
Sample Type: FD N N N FD N N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency Maximum Contaminant Levels	SDG: 810131351	SDG: 810131351	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: DA41160
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents											
1-Methylnaphthalene	2.1	10	None	None	0.0200 U	0.0200 U	0.180 U	0.240 U	0.240 U	0.240 U	0.170 U	0.180 U	0.180 U	0.240 U
2-Methylnaphthalene	4.7	10	None	None	0.0200 U	0.0200 U	0.190 U	0.240 U	0.240 U	0.240 U	0.180 U	0.180 U	0.180 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00990 U	0.00990 U	0.0200 UJ	0.00950 U	0.00960 U	0.00960 U	0.0190 U	0.0190 U	0.0190 U	0.00950 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.590 U	0.590 U	0.470 UJ	0.380 U	0.380 U	0.470 U	0.470 U	0.470 U	0.470 U	0.810 U
Naphthalene	12	17	None	None	0.0200 U	0.0200 U	0.180 U	0.240 U	0.240 U	0.240 U	0.170 U	0.180 U	0.180 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: DA41160
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents											
1,1,1-Trichloroethane	11	11	200	200	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U	0.500 U	0.119 U	0.119 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5	3	5	0.288 U	0.288 U	0.288 U	0.500 U	0.500 U	0.500 U	0.288 U	0.288 U	0.288 U	0.500 U
1,1-Dichloroethene	7	7	7	7	0.128 U	0.128 U	0.128 U	0.500 U	0.500 U	0.500 U	0.128 U	0.128 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.318 U	0.318 U	0.318 U	0.500 U	0.500 U	0.500 U	0.318 U	0.318 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	0.272 U	0.272 U	0.272 U	0.500 U	0.500 U	0.500 U	0.272 U	0.272 U	0.272 U	0.500 U
1,2-Dichloroethane	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.500 U	0.500 U	0.500 U	0.0884 U	0.0884 U	0.0884 U	0.500 U
1,2-Dichloropropane	5	5	5	5	0.129 U	0.129 U	0.129 U	0.500 U	0.500 U	0.500 U	0.129 U	0.129 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5	75	None	0.245 U	0.245 U	0.245 U	0.500 U	0.500 U	0.500 U	0.245 U	0.245 U	0.245 U	0.500 U
Benzene	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.500 U	0.500 U	0.500 U	0.0846 U	0.0846 U	0.0846 U	0.500 U
Carbon Tetrachloride	5	5	5	5	0.165 U	0.165 U	0.165 U	0.500 U	0.500 U	0.500 U	0.165 U	0.165 U	0.165 U	0.500 U
Chlorobenzene	25	25	100	100	0.146 U	0.146 U	0.146 U	0.500 U	0.500 U	0.500 U	0.146 U	0.146 U	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.500 U	0.500 U	0.500 U	0.0570 U	0.0570 U	0.0570 U	0.500 U
Ethylbenzene	700	7.3	700	700	0.141 U	0.141 U	0.141 U	0.500 U	0.500 U	0.500 U	0.141 U	0.141 U	0.141 U	0.500 U
m,p-Xylene	10000	13	None	None	0.317 U	0.317 U	0.317 U	0.500 U	0.500 U	0.500 U	0.317 U	0.317 U	0.317 U	0.500 U
Methylene chloride	5	5	5	5	2.15 U	2.15 U	2.15 U	0.500 U	0.500 U	0.500 U	2.15 U	2.15 U	2.15 U	0.500 U
o-Xylene	10000	13	None	None	0.157 U	0.157 U	0.157 U	0.500 U	0.500 U	0.500 U	0.157 U	0.157 U	0.157 U	0.500 U
Styrene	10	10	100	100	0.224 U	0.224 U	0.224 U	0.500 U	0.500 U	0.500 U	0.224 U	0.224 U	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	0.125 U	0.125 U	0.125 U	0.500 U	0.500 U	0.500 U	0.125 U	0.125 U	0.125 U	0.500 U
Toluene	1000	9.8	1000	1000	0.120 U	0.120 U	0.120 U	0.500 U	0.500 U	0.500 U	0.120 U	0.120 U	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.500 U	0.500 U	0.0958 U	0.0958 U	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.500 U	0.500 U	0.0574 U	0.0574 U	0.0574 U	0.500 U
Vinyl chloride	2	2	2	2	0.611 U	0.611 U	0.611 U	0.500 U	0.500 U	0.500 U	0.611 U	0.611 U	0.611 U	0.500 U
Xylenes, Total	10000	13	10000	10000	--	--	--	--	--	--	--	--	--	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-GILL3177	F2-GILL3223	F2-GILL3231	F2-GILL3239	F2-GORD2644	F2-GORD2645	F2-GORD2648	F2-GORD2667
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3177 Gillespie Lane	3223 Gillespie Lane	3231 Gillespie Lane	3239 Gillespie Lane	2644 Gordon Street	2645 Gordon Street	2648 Gordon Street	2667 Gordon Street
Field Sample ID:	220123-F2-GT08	220123-F2-HT01	220123-F2-LT07	220123-F2-BT01	F2-TW-1304354-22023-N	F2-TW-135782-22023-N	F2-TW-1304323-22023-N	F2-TW-1304327-22023-N
Sample Date:	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	FD	N	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels					
1-Methylnaphthalene	2.1	10	None	None	None	None	None	810128421	DA41160	DA41227	DA41271	35692731
2-Methylnaphthalene	4.7	10	None	None	None	None	None	0.0200 U	0.240 U	0.240 U	0.240 U	0.170 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.00950 U	0.00950 U	0.00950 U	0.00950 U	0.0190 U	0.0190 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	0.590 U	0.590 U	1.70 J	0.430 J	0.380 U	0.460 U
Naphthalene	12	17	None	None	None	None	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.170 U

Section 2b.2 Residential Sampling Report for Flushing Zone

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels					
1,1,1-Trichloroethane	11	11	200	200	200	200	0.500 U	0.500 U	0.500 U	0.500 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	7	0.500 U	0.500 U	0.500 U	0.500 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	70	0.500 U	0.500 U	0.500 U	0.500 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	600	0.500 U	0.500 U	0.500 U	0.500 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	None	0.500 U	0.500 U	0.500 U	0.500 U	0.245 U	0.245 U
Benzene	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	100	0.500 U	0.500 U	0.500 U	0.500 U	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	70	0.500 U	0.500 U	0.500 U	0.500 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	700	0.500 U	0.500 U	0.500 U	0.500 U	0.141 U	0.141 U
m,p-Xylene	10000	13	None	None	None	None	0.500 U	0.500 U	0.500 U	0.500 U	0.317 U	0.317 U
Methylene chloride	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	None	0.500 U	0.500 U	0.500 U	0.500 U	0.157 U	0.157 U
Styrene	10	10	100	100	100	100	0.500 U	0.500 U	0.500 U	0.500 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.125 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	1000	0.500 U	0.500 U	0.500 U	0.500 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	100	0.500 U	0.500 U	0.500 U	0.500 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U	0.500 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	2	0.500 U	0.500 U	0.500 U	0.500 U	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	10000	0.500 U	0.500 U	--	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-GORD2669	F2-GORD2691	F2-GORD2720	F2-GORD2741	F2-GORD2741	F2-GORD2775	F2-GORD2784	F2-GORD2784
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2669 Gordon Street	2691 Gordon Street	2720 Gordon Street	2741 Gordon Street	2741 Gordon Street	2775 Gordon Street	2784 Gordon Street	2784 Gordon Street
Field Sample ID:	F2-TW-1304326-22023-N	F2-TW-1303642-22023-N	F2-TW-1304262-22023-N	F2-TW-1303639-22023-3-N	F2-TW-1303639-22023-N	F2-TW-1303578-22023-N	F2-TW-1304219-22023-3-N	F2-TW-1304219-22023-N
Sample Date:	2022-01-24	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	N	N	N	FD	N	N	FD	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692731	SDG: 35692837	SDG: 35692837
		Environmental Action Levels Table D-1A	Groundwater Action Levels								
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.170 U	0.180 U	0.180 U	0.170 U	0.180 U
2-Methylnaphthalene	4.7	10	None	None	None	0.190 U	0.180 U	0.190 U	0.180 U	0.180 U	0.190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 U	0.0190 UJ	0.0200 UJ	0.0190 U	0.0190 UJ	0.0200 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 U	0.460 UJ	0.470 UJ	0.470 U	0.460 UJ	0.480 U
Naphthalene	12	17	None	None	None	0.180 U	0.170 U	0.180 U	0.180 U	0.170 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1
		Environmental Action Levels Table D-1A	Groundwater Action Levels								
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-GORD2838	F2-GORD2856	F2-HAIL3086	F2-HAIL3110	F2-HAIL3110	F2-HAMP4130
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2838 Gordon Street	2856 Gordon Street	3086 Hailey Court	3110 Hailey Court	3110 Hailey Court	4130 Hampton Street
Field Sample ID:	F2-TW-1304288(a)-22023-N	220123-F2-CT03	220123-F2-AT01	220123-F2-AT02	220123-F2-AT03	F2-TW-1303826-22023-N
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-25
Sample Type:	N	N	N	N	FD	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 810128421	SDG: 810128421	SDG: 810128421	SDG: DA41271	SDG: 810128421	SDG: 810128421	SDG: 35692731
		Environmental Action Levels Table D-1A	Groundwater Action Levels										
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.0200 U	0.0190 U	0.0200 U	0.240 U	0.0190 U	0.0190 U	0.180 U
2-Methylnaphthalene	4.7	10	None	None	None	0.190 U	0.0200 U	0.0190 U	0.0200 U	0.240 U	0.0190 U	0.0190 U	0.190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 U	0.00980 U	0.00990 U	0.00990 U	0.00960 U	0.00970 U	0.00970 U	0.0200 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 U	0.590 U	0.580 U	0.600 U	0.380 U	0.580 U	0.580 U	0.470 U
Naphthalene	12	17	None	None	None	0.180 U	0.0200 U	0.0190 U	0.0200 U	0.240 U	0.0190 U	0.0190 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22A047	SDG: C22A047	SDG: C22A047	SDG: DA41271	SDG: DA41227	SDG: C22A051 rev2
		Environmental Action Levels Table D-1A	Groundwater Action Levels									
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U	0.500 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U	0.500 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U	0.500 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U	0.500 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.500 U	0.500 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U	0.500 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	0.500 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	0.500 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	0.500 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	0.500 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U	0.500 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	0.500 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.500 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.500 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U	0.500 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	--	--	0.500 U	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-HAMP4138		F2-HAMP4138	F2-HAYS0814	F2-JALU0598	F2-JALU3304	F2-JALU3311	F2-JALU3325
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
Residence:	4138 Hampton Street		4138 Hampton Street	814 Hays Street	598 Jaluit Street	3304 Jaluit Lane	3311 Jaluit Lane	3325 Jaluit Lane
Field Sample ID:	220123-F2-FT01	220123-F2-FT02	F2-TW-1303482-22023-N	220123-F2-GT05	220123-F2-CT05	220123-F2-FT07	220123-F2-IT04	220123-F2-ET03
Sample Date:	2022-01-23	2022-01-23	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23
Sample Type:	N	FD	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		SDG: 35692277		SDG: 810129381		SDG: DA41160		SDG: 810129051		SDG: 35692277		SDG: DA41160		SDG: C22A047	
		Table D-1A	Groundwater Action Levels	DOH Environmental Protection Agency Maximum Contaminant Levels	None	None	None	0.0190 U	0.0190 U	0.240 U	0.240 U	0.0190 U	0.0190 U	0.170 U	0.170 U	0.240 U	0.240 U	--	--
1-Methylnaphthalene	2.1	10	None	None	None	0.180 UJ	0.180 U	0.0190 U	0.0190 U	0.240 U	0.240 U	0.0190 U	0.0190 U	0.170 U	0.170 U	0.240 U	0.240 U	--	--
2-Methylnaphthalene	4.7	10	None	None	None	0.190 UJ	0.190 U	0.0190 U	0.0190 U	0.240 U	0.240 U	0.0190 UJ	0.0190 UJ	0.180 U	0.180 U	0.240 U	0.240 U	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 UJ	0.0190 UJ	0.00970 U	0.00970 U	0.00950 U	0.00950 U	0.00970 U	0.00950 U	0.0190 UJ	0.0190 UJ	0.00950 U	0.00950 U	--	--
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 UJ	0.470 UJ	0.580 U	0.580 U	1.80 J	0.830 J	0.580 U	0.460 UJ	0.460 UJ	0.460 UJ	0.830 J	0.830 J	--	--
Naphthalene	12	17	None	None	None	0.180 UJ	0.180 U	0.0190 U	0.0190 U	0.240 U	0.240 U	0.0190 U	0.0190 U	0.170 U	0.170 U	0.240 U	0.240 U	--	--

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A047		SDG: C22a049 rev1		SDG: DA41160		SDG: C22A047		SDG: DA41160		SDG: C22A047	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U	0.119 U	0.119 U	0.500 U	0.500 U	0.119 U	0.500 U	0.119 U	
1,1,1-Trichloroethane	11	11	11	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U	0.119 U	0.119 U	0.500 U	0.500 U	0.119 U	
1,1,2-Trichloroethane	5	5	3	5	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U	0.500 U	0.288 U	0.288 U	0.500 U	0.500 U	0.288 UJ	
1,1-Dichloroethene	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	0.500 U	0.128 U	0.128 U	0.500 U	0.500 U	0.128 U	
1,2,4-Trichlorobenzene	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U	0.500 U	0.318 U	0.318 U	0.500 U	0.500 U	0.318 U	
1,2-Dichlorobenzene	10	10	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	0.500 U	0.272 U	0.272 U	0.500 U	0.500 U	0.272 U	

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Location ID:	F2-JALU3325	F2-KILM3342	F2-KILM3342	F2-KILM3342	F2-KILM3365	F2-KILM5408	F2-KILM5416
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3325 Jaluit Lane	3342 Kilmer Street	3342 Kilmer Street	3342 Kilmer Street	3365 Kilmer Street	5408 Kilmer Lane	5416 Kilmer Lane
Field Sample ID:	F2-TW-1303804-22023-N	220123-F2-ET01	220123-F2-ET02	220123-F2-ET04	F2-TW-1304044-22023-N	220123-F2-HT03	220123-F2-FT04
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-23	2022-01-25	2022-01-23	2022-01-23
Sample Type:	N (72 Hour Stagnation)	N	FD	N (72 Hour Stagnation)	N (72 Hour Stagnation)	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: DA41227	SDG: 35692277
		Action Levels	Table D-1A											
1-Methylnaphthalene	2.1	10		None		None	0.240 U	--	--	0.240 U	--	0.240 U	0.240 U	0.180 U
2-Methylnaphthalene	4.7	10		None		None	0.240 U	--	--	0.240 U	--	0.240 U	0.240 U	0.190 U
Benzo(a)pyrene	0.06	0.06		0.2		0.2	0.00950 U	--	--	0.00950 U	--	0.00950 U	0.00950 U	0.0190 UJ
Bis(2-ethylhexyl)phthalate	3	3		6		6	0.380 U	--	--	0.380 U	--	0.380 U	0.380 U	0.470 UJ
Naphthalene	12	17		None		None	0.240 U	--	--	0.240 U	--	0.240 U	0.240 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Action Levels	Table D-1A										
1,1,1-Trichloroethane	11	11		200		200	0.500 U	0.119 U	0.119 U	0.500 U	0.119 U	0.500 U	0.119 U
1,1,2-Trichloroethane	5	5		3		5	0.500 U	0.288 U	0.288 U	0.500 U	0.288 UJ	0.500 U	0.288 U
1,1-Dichloroethene	7	7		7		7	0.500 U	0.128 U	0.128 U	0.500 U	0.128 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70		70		70	0.500 U	0.318 U	0.318 U	0.500 U	0.318 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10		600		600	0.500 U	0.272 U	0.272 U	0.500 U	0.272 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5		5		5	0.500 U	0.0884 U	0.0884 U	0.500 U	0.0884 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5		5		5	0.500 U	0.129 U	0.129 U	0.500 U	0.129 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5		75		None	0.500 U	0.245 U	0.245 U	0.500 U	0.245 U	0.500 U	0.245 U
Benzene	5	5		5		5	0.500 U	0.0846 U	0.0846 U	0.500 U	0.0846 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5		5		5	0.500 U	0.165 U	0.165 U	0.500 U	0.165 U	0.500 U	0.165 U
Chlorobenzene	25	25		100		100	0.500 U	0.146 U	0.146 U	0.500 U	0.146 U	0.500 U	0.146 U
cis-1,2-Dichloroethene	70	70		70		70	0.500 U	0.0570 U	0.0570 U	0.500 U	0.0570 U	0.500 U	0.0570 U
Ethylbenzene	700	7.3		700		700	0.500 U	0.141 U	0.141 U	0.500 U	0.141 U	0.500 U	0.141 U
m,p-Xylene	10000	13		None		None	0.500 U	0.317 U	0.317 U	0.500 U	0.317 U	0.500 U	0.317 U
Methylene chloride	5	5		5		5	0.500 U	2.15 U	2.15 U	0.500 U	2.15 U	0.500 U	2.15 U
o-Xylene	10000	13		None		None	0.500 U	0.157 U	0.157 U	0.500 U	0.157 U	0.500 U	0.157 U
Styrene	10	10		100		100	0.500 U	0.224 U	0.224 U	0.500 U	0.224 U	0.500 U	0.224 U
Tetrachloroethene (PCE)	5	5		5		5	0.500 U	0.125 U	0.125 U	0.500 U	0.125 UJ	0.500 U	0.125 U
Toluene	1000	9.8		1000		1000	0.500 U	0.120 U	0.120 U	0.500 U	0.120 U	0.500 U	0.120 U
trans-1,2-Dichloroethene	100	100		100		100	0.500 U	0.0958 U	0.0958 U	0.500 U	0.0958 U	0.500 U	0.0958 U
Trichloroethene (TCE)	5	5		5		5	0.500 U	0.0574 U	0.0574 U	0.500 U	0.0574 U	0.500 U	0.0574 U
Vinyl chloride	2	2		2		2	0.500 U	0.611 U	0.611 U	0.500 U	0.611 UJ	0.500 U	0.611 U
Xylenes, Total	10000	13		10000		10000	0.500 U	--	--	0.500 U	--	0.500 U	--

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F2 Zone Residential DW Sampling
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Location ID:	F2-KILM5416	F2-KIRK1973	F2-KIRK1975	F2-KIRK1991	F2-KOAI1654	F2-KOAI1657	F2-KOAI1657	F2-KOEL5301
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	5416 Kilmer Lane	1973 Kirkpatrick Loop	1975 Kirkpatrick Loop	1991 Kirkpatrick Loop	1654 Koaia Court	1657 Koaia Court	1657 Koaia Court	5301 Koelsch Lane
Field Sample ID:	220123-F2-FT05	F2-TW-1304262-22023-N-02	F2-TW-1303639(A)-22023-N	F2-TW-1303578(A)-22023-N	F2-TW-1303642-22023-N-02	F2-TW-2212502-22023-3-N	F2-TW-2212502-22023-N	220123-F2-HT04
Sample Date:	2022-01-23	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-25	2022-01-23
Sample Type:	FD	N	N	N	N	FD	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels					
1-Methylnaphthalene	2.1	10	None	None	None	None	None	35692277	DA41309	DA41309	DA41309	DA41227
2-Methylnaphthalene	4.7	10	None	None	None	None	None	0.170 U	0.240 U	0.0200 U	0.0200 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00960 U	0.2	0.00960 U	0.180 U	0.240 U	0.0200 U	0.0200 U	0.240 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.380 U	6	0.380 U	0.460 UJ	0.400 U	0.590 U	0.590 U	0.460 J
Naphthalene	12	17	None	None	0.240 U	None	0.240 U	0.170 U	0.240 U	0.0200 U	0.0200 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental		SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels					
1,1,1-Trichloroethane	11	11	200	200	200	200	200	0.119 U	0.500 U	0.119 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	0.288 U	5	0.288 U	0.500 U	0.500 U	0.288 U	0.288 U	0.500 U
1,1-Dichloroethene	7	7	7	7	0.128 U	7	0.128 U	0.500 U	0.500 U	0.128 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.318 U	70	0.318 U	0.500 U	0.500 U	0.318 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	0.272 U	600	0.272 U	0.500 U	0.500 U	0.272 U	0.272 U	0.500 U
1,2-Dichloroethane	5	5	5	5	0.0884 U	5	0.0884 U	0.500 U	0.500 U	0.0884 U	0.0884 U	0.500 U
1,2-Dichloropropane	5	5	5	5	0.129 U	5	0.129 U	0.500 U	0.500 U	0.129 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	0.245 U	None	0.245 U	0.500 U	0.500 U	0.245 U	0.245 U	0.500 U
Benzene	5	5	5	5	0.0846 U	5	0.0846 U	0.500 U	0.500 U	0.0846 U	0.0846 U	0.500 U
Carbon Tetrachloride	5	5	5	5	0.165 U	5	0.165 U	0.500 U	0.500 U	0.165 U	0.165 U	0.500 U
Chlorobenzene	25	25	100	100	0.146 U	100	0.146 U	0.500 U	0.500 U	0.146 U	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	0.0570 U	70	0.0570 U	0.500 U	0.500 U	0.0570 U	0.0570 U	0.500 U
Ethylbenzene	700	7.3	700	700	0.141 U	700	0.141 U	0.500 U	0.500 U	0.141 U	0.141 U	0.500 U
m,p-Xylene	10000	13	None	None	0.317 U	None	0.317 U	0.500 U	0.500 U	0.317 U	0.317 U	0.500 U
Methylene chloride	5	5	5	5	2.15 U	5	2.15 U	0.500 U	0.500 U	2.15 U	2.15 U	0.500 U
o-Xylene	10000	13	None	None	0.157 U	None	0.157 U	0.500 U	0.500 U	0.157 U	0.157 U	0.500 U
Styrene	10	10	100	100	0.224 U	100	0.224 U	0.500 U	0.500 U	0.224 U	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	0.125 U	5	0.125 U	0.500 U	0.500 U	0.125 U	0.125 U	0.500 U
Toluene	1000	9.8	1000	1000	0.120 U	1000	0.120 U	0.500 U	0.500 U	0.120 U	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	0.0958 U	100	0.0958 U	0.500 U	0.500 U	0.0958 U	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	0.0574 U	5	0.0574 U	0.500 U	0.500 U	0.0574 U	0.0574 U	0.500 U
Vinyl chloride	2	2	2	2	0.611 U	2	0.611 U	0.500 U	0.500 U	0.611 U	0.611 U	0.500 U
Xylenes, Total	10000	13	10000	10000	--	10000	--	0.500 U	0.500 U	--	--	0.500 U

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Location ID: F2-KOUH1857 F2-KOUH1877 F2-LIPP2089 F2-LOUN4108 F2-LOUN4114 F2-LOUN4114 F2-MALO0577
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1857 Kou Haole Loop 1877 Kou Haole Loop 2089 Lippia Loop 4108 Lounsbury Street 2089 Lippia Loop 4114 Lounsbury Street 4114 Lounsbury Street 577 Maloelap Lane

Field Sample ID: F2-TW-2212503-22023-N F2-TW-2212504-22023-N F2-TW-1304219(A)-22023-3-N F2-TW-1303533-22023-N F2-TW-1303534-22023-3-N F2-TW-1303534-22023-N 220123-F2-JT06
Sample Date: 2022-01-25 2022-01-25 2022-01-25 2022-01-24 2022-01-24 2022-01-24 2022-01-23
Sample Type: N N N FD N N N FD N N N FD N N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Table D-1A Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	SDG: 810131351	SDG: 810131351
1-Methylnaphthalene	2.1	10	None	None	None	0.0200 U	0.0190 U
2-Methylnaphthalene	4.7	10	None	None	None	0.0200 U	0.0190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00980 U	0.00980 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.590 U	0.580 U	0.580 U
Naphthalene	12	17	None	None	0.0200 U	0.0200 U	0.0190 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		Environmental	
		Table D-1A Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22A051 rev2
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	--

Residential Sampling Report for Flushing Zone
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Location ID:	F2-MALO3256	F2-MALO3271	F2-MCFA0813	F2-MEYE0582	F2-MEYE0584	F2-MEYE0604	F2-MEYE0604
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3256 Maloelap Street	3271 Maloelap Street	813 McFaddin Street	582 Meyerkord Loop	584 Meyerkord Loop	604 Meyerkord Loop	604 Meyerkord Loop
Field Sample ID:	F2-TW-1303075-22023-N	F2-TW-1303076-22023-N	F2-TW-1303539-22023-N	F2-TW-1304039-22023-N	F2-TW-1304037-22023-N	220123-F2-ET05	F2-TW-1303798-22023-3-N
Sample Date:	2022-01-24	2022-01-24	2022-01-25	2022-01-24	2022-01-25	2022-01-23	2022-01-25
Sample Type:	N	N	N	FD	N	N	FD

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41309	SDG: 35692277	SDG: DA41309
		Environmental Action Levels Table D-1A	Groundwater Action Levels									
1-Methylnaphthalene	2.1	10	None	None	None	0.240 U	0.240 U	0.180 U	0.240 U	0.240 U	0.170 U	0.240 U
2-Methylnaphthalene	4.7	10	None	None	None	0.240 U	0.240 U	0.190 U	0.240 U	0.240 U	0.180 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00950 U	0.00950 U	0.0200 U	0.00950 U	0.00950 U	0.0190 U	0.00950 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.380 U	0.380 U	0.470 U	0.480 J	0.380 U	0.470 U	0.380 U
Naphthalene	12	17	None	None	None	0.240 U	0.240 U	0.180 U	0.240 U	0.240 U	0.170 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: DA41227	SDG: DA41309	SDG: C22A047	SDG: DA41309
		Environmental Action Levels Table D-1A	Groundwater Action Levels									
1,1,1-Trichloroethane	11	11	200	200	200	0.500 U	0.500 U	0.119 U	0.500 U	0.500 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	5	0.500 U	0.500 U	0.288 U	0.500 U	0.500 U	0.288 UJ	0.500 U
1,1-Dichloroethene	7	7	7	7	7	0.500 U	0.500 U	0.128 U	0.500 U	0.500 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.500 U	0.500 U	0.318 U	0.500 U	0.500 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	0.500 U	0.500 U	0.272 U	0.500 U	0.500 U	0.272 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.500 U	0.500 U	0.0884 U	0.500 U	0.500 U	0.0884 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.500 U	0.500 U	0.129 U	0.500 U	0.500 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.500 U	0.500 U	0.245 U	0.500 U	0.500 U	0.245 U	0.500 U
Benzene	5	5	5	5	5	0.500 U	0.500 U	0.0846 U	0.500 U	0.500 U	0.0846 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.500 U	0.500 U	0.165 U	0.500 U	0.500 U	0.165 U	0.500 U
Chlorobenzene	25	25	100	100	100	0.500 U	0.500 U	0.146 U	0.500 U	0.500 U	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.500 U	0.500 U	0.0570 U	0.500 U	0.500 U	0.0570 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	0.500 U	0.500 U	0.141 U	0.500 U	0.500 U	0.141 U	0.500 U
m,p-Xylene	10000	13	None	None	None	0.500 U	0.500 U	0.317 U	0.500 U	0.500 U	0.317 U	0.500 U
Methylene chloride	5	5	5	5	5	0.500 U	0.500 U	2.15 U	0.500 U	0.500 U	2.15 U	0.500 U
o-Xylene	10000	13	None	None	None	0.500 U	0.500 U	0.157 U	0.500 U	0.500 U	0.157 U	0.500 U
Styrene	10	10	100	100	100	0.500 U	0.500 U	0.224 U	0.500 U	0.500 U	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.500 U	0.500 U	0.125 U	0.500 U	0.500 U	0.125 UJ	0.500 U
Toluene	1000	9.8	1000	1000	1000	0.500 U	0.500 U	0.120 U	0.500 U	0.500 U	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.500 U	0.500 U	0.0958 U	0.500 U	0.500 U	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	0.500 U	0.500 U	0.0574 U	0.500 U	0.500 U	0.0574 U	0.500 U
Vinyl chloride	2	2	2	2	2	0.500 U	0.500 U	0.611 U	0.500 U	0.500 U	0.611 UJ	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	0.500 U	0.500 U	--	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MEYE0604	F2-MEYE0630	F2-MEYE0630	F2-MEYE0654	F2-MEYE0657	F2-MOOR3029	F2-MORE3104	F2-MORE3128
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	604 Meyerkord Loop	630 Meyerkord Loop	630 Meyerkord Loop	654 Meyerkord Loop	657 Meyerkord Loop	3029 Moore Drive	3104 Moreell Circle	3128 Moreell Circle
Field Sample ID:	F2-TW-1303798-22023-N	F2-TW-1304034-22023-3-N	F2-TW-1304034-22023-N	220123-F2-IT03	220123-F2-IT02	220123-F2-KT03	220123-F2-AT07	220123-F2-IT06
Sample Date:	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23
Sample Type:	N (72 Hour Stagnation)	FD	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe		Environmental		Protection		SDG:	
		Action Levels	Table D-1A	Environmental Action Levels	Groundwater	Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	Agency	Maximum Contaminant Levels	SDG: DA41309	SDG: DA41271	SDG: DA41160	SDG: DA41160
1-Methylnaphthalene	2.1	10		None		None				0.240 U	0.240 U	0.0200 U	0.240 U
2-Methylnaphthalene	4.7	10		None		None				0.240 U	0.240 U	0.0200 U	0.240 U
Benzo(a)pyrene	0.06	0.06		0.2		0.2				0.00950 U	0.00950 U	0.0100 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3		6		6				0.380 U	0.380 U	0.600 U	1.00 J
Naphthalene	12	17		None		None				0.240 U	0.240 U	0.0200 U	0.240 U

Section 2b.2 Residential Sampling Report for Flushing Zone

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe		Environmental		Protection		SDG:	
		Action Levels	Table D-1A	Environmental Action Levels	Groundwater	Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	Agency	Maximum Contaminant Levels	SDG: DA41309	SDG: DA41271	SDG: DA41160	SDG: DA41160
1,1,1-Trichloroethane	11	11		200		200				0.500 U	0.500 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5		3		3				0.500 U	0.500 U	0.288 UJ	0.500 U
1,1-Dichloroethene	7	7		7		7				0.500 U	0.500 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70		70		70				0.500 U	0.500 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10		600		600				0.500 U	0.500 U	0.272 U	0.500 U
1,2-Dichloroethane	5	5		5		5				0.500 U	0.500 U	0.0884 U	0.500 U
1,2-Dichloropropane	5	5		5		5				0.500 U	0.500 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5		75		75		None		0.500 U	0.500 U	0.245 U	0.500 U
Benzene	5	5		5		5		5		0.500 U	0.500 U	0.0846 U	0.500 U
Carbon Tetrachloride	5	5		5		5		5		0.500 U	0.500 U	0.165 U	0.500 U
Chlorobenzene	25	25		100		100		100		0.500 U	0.500 U	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70		70		70		70		0.500 U	0.500 U	0.0570 U	0.500 U
Ethylbenzene	700	7.3		700		700		700		0.500 U	0.500 U	0.141 U	0.500 U
m,p-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.317 U	0.500 U
Methylene chloride	5	5		5		5		5		0.500 U	0.500 U	2.15 U	0.500 U
o-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.157 U	0.500 U
Styrene	10	10		100		100		100		0.500 U	0.500 U	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5		5		5		5		0.500 U	0.500 U	0.125 UJ	0.500 U
Toluene	1000	9.8		1000		1000		1000		0.500 U	0.500 U	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100		100		100		100		0.500 U	0.500 U	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5		5		5		5		0.500 U	0.500 U	0.0574 U	0.500 U
Vinyl chloride	2	2		2		2		2		0.500 U	0.500 U	0.611 UJ	0.500 U
Xylenes, Total	10000	13		10000		10000		10000		--	--	--	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MORE3148	F2-MORE3301	F2-MURR0741	F2-MURR0790	F2-MURR0798	F2-MURR0845	F2-MURR0846
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3148 Moreell Circle	3301 Moreell Drive	741 Murray Drive	790 Murray Drive	798 Murray Drive	845 Murray Drive	846 Murray Drive
Field Sample ID:	220123-F2-JT02	220123-F2-JT05	F2-TW-2212505-22023-N	F2-TW-145069-22023-3-N	F2-TW-2201045-22023-N-01	F2-TW-2201013-22023-N	F2-TW-145083-22023-N
Sample Date:	2022-01-23	2022-01-23	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-25
Sample Type:	N	N	N	FD	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 35692731	SDG: 810130371	SDG: 35692731
		Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels								
1-Methylnaphthalene	2.1	10	None	None	None	0.240 U	0.240 U	0.170 U	0.180 U	0.0190 U	0.180 U
2-Methylnaphthalene	4.7	10	None	None	None	0.240 U	0.240 U	0.180 U	0.190 U	0.0190 U	0.190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00950 U	0.00950 U	0.0190 U	0.0200 U	0.00970 U	0.0200 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	2.70 J	0.380 U	0.460 U	0.470 U	0.580 U	0.470 U
Naphthalene	12	17	None	None	None	0.240 U	0.240 U	0.170 U	0.180 U	0.0190 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41160	SDG: DA41309	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: C22A051 rev2
		Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels								
1,1,1-Trichloroethane	11	11	200	200	200	0.500 U	0.500 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.500 U	0.500 U	0.288 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.500 U	0.500 U	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.500 U	0.500 U	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.500 U	0.500 U	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.500 U	0.500 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.500 U	0.500 U	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.500 U	0.500 U	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	5	5	0.500 U	0.500 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.500 U	0.500 U	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.500 U	0.500 U	0.146 U	0.146 U	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.500 U	0.500 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.500 U	0.500 U	0.141 U	0.141 U	0.141 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.500 U	0.500 U	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride	5	5	5	5	5	0.500 U	0.500 U	2.15 U	2.15 U	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	0.500 U	0.500 U	0.157 U	0.157 U	0.157 U	0.157 U
Styrene	10	10	100	100	100	0.500 U	0.500 U	0.224 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.500 U	0.500 U	0.125 U	0.125 U	0.125 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.500 U	0.500 U	0.120 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.500 U	0.500 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.500 U	0.500 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.500 U	0.500 U	0.611 U	0.611 U	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	0.500 U	0.500 U	--	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-MURR0863	F2-MURR0863	F2-MURR0872	F2-MURR0874	F2-MURR0888	F2-MURR0958	F2-MURR0966	F2-NOON4018
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	863 Murray Drive	863 Murray Drive	872 Murray Drive	874 Murray Drive	888 Murray Drive	958 Murray Drive	966 Murray Drive	4018 Noonan Street
Field Sample ID:	F2-TW-143501-22023-3-N	F2-TW-143501-22023-N	220126F2AT06	F2-TW-549198-22023-N	F2-TW-2201014-22023-N	F2-TW-22012401-22023-N	F2-TW-22012402-22023-N	F2-TW-1303598-22023-N
Sample Date:	2022-01-25	2022-01-25	2022-01-26	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-24
Sample Type:	FD	N	N	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692973	SDG: DA41309	SDG: 35692973	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: DA41271	SDG: 35692837
		Environmental Action Levels Table D-1A	Groundwater Action Levels										
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.240 U	0.180 U	0.0200 U	0.240 U	0.240 U	0.240 U	0.180 U
2-Methylnaphthalene	4.7	10	None	None	None	0.190 U	0.240 U	0.190 U	0.0200 U	0.240 U	0.240 U	0.240 U	0.190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 U	0.00950 U	0.0200 U	0.00980 U	0.00960 U	0.00950 U	0.00950 U	0.0200 UJ
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 U	0.380 U	0.470 U	0.590 U	0.380 U	0.380 U	0.380 U	0.470 UJ
Naphthalene	12	17	None	None	None	0.180 U	0.240 U	0.180 U	0.0200 U	0.240 U	0.240 U	0.240 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: DA41309	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: DA41271	SDG: C22a049 rev1
		Environmental Action Levels Table D-1A	Groundwater Action Levels										
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U	0.119 U	0.500 U	0.119 U	0.500 U	0.500 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	0.500 U	0.288 U	0.500 U	0.500 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.500 U	0.128 U	0.500 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.500 U	0.318 U	0.500 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	0.500 U	0.272 U	0.500 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.500 U	0.0884 U	0.500 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.500 U	0.129 U	0.500 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	0.500 U	0.245 U	0.500 U	0.500 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.500 U	0.0846 U	0.500 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.500 U	0.165 U	0.500 U	0.500 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	0.500 U	0.146 U	0.500 U	0.500 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.500 U	0.0570 U	0.500 U	0.500 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U	0.141 U	0.500 U	0.141 U	0.500 U	0.500 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U	0.317 U	0.500 U	0.317 U	0.500 U	0.500 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U	2.15 U	0.500 U	2.15 U	0.500 U	0.500 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U	0.157 U	0.500 U	0.157 U	0.500 U	0.500 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.224 U	0.224 U	0.500 U	0.224 U	0.500 U	0.500 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.500 U	0.125 U	0.500 U	0.500 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.500 U	0.120 U	0.500 U	0.500 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.0958 U	0.500 U	0.500 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.0574 U	0.500 U	0.500 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.500 U	0.611 U	0.500 U	0.500 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	0.500 U	--	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	F2-NOON4061	F2-NYEC1676	F2-NYEC1676	F2-NYEC1722	F2-NYEP1932	F2-OCAL1920	F2-PETE3224	F2-PETE3226		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	4061 Noonan Street	1676 Nye Circle	1676 Nye Circle	1722 Nye Circle	1932 Nye Place	1920 O'Callahan Street	3224 Peterson Court	3226 Peterson Court		
Field Sample ID:	F2-TW-1303666-22023-N	F2-TW-2212507-22023-3-N	F2-TW-2212507-22023-N	F2-TW-2212508-22023-N	F2-TW-1303642-22023-N-01	F2-TW-2201017-22023-N	220123-F2-AT06	220123-F2-LT06		
Sample Date:	2022-01-24	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23		
Sample Type:	N	FD	N	N	N	N	N	N		

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe		Environmental		Environmental		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	SDG: 35692731	SDG: 35692731	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: 810129051	SDG: 810130371	SDG: 810129051	SDG: 810130371	SDG: DA41160
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.170 U	0.0200 U	0.0200 U	0.0200 U	0.0190 U	0.0200 U	0.0190 U	0.0200 U	0.240 U
2-Methylnaphthalene	4.7	10	None	None	None	0.190 U	0.180 U	0.0200 U	0.0200 U	0.0200 U	0.0190 U	0.0200 U	0.0190 U	0.0200 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0200 UJ	0.0190 U	0.00980 U	0.00970 U	0.00990 U	0.00970 U	0.00990 U	0.00970 U	0.00950 U	
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 UJ	0.470 U	0.590 U	0.580 U	0.600 U	0.580 U	0.600 U	0.580 U	2.60 J	
Naphthalene	12	17	None	None	None	0.180 U	0.170 U	0.0200 U	0.0200 U	0.0200 U	0.0190 U	0.0200 U	0.0190 U	0.0200 U	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe		Environmental		Environmental		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	SDG: C22A049 rev1	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: C22A049 rev1	SDG: C22A047	SDG: DA41160	
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 UJ	0.288 UJ	0.500 U	
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U	
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U	
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U	
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U	
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U	
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U	
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U	
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.500 U	
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U	
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	
Styrene	10	10	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.125 UJ	0.125 UJ	0.500 U	
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.611 U	0.611 UJ	0.611 UJ	0.611 UJ	0.500 U	
Xylenes, Total	10000	13	10000	10000	10000	--	--	--	--	--	--	--	--	0.500 U	

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Location ID:	F2-PETE3240	F2-PETE3240	F2-POOL0617	F2-POOL0683	F2-POOL0726	F2-ROGE0830	F2-SAND0721
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	3240 Peterson Court	3240 Peterson Court	617 Pool Street	683 Pool Street	726 Pool Street	830 Rogers Street	721 Sanders Circle
Field Sample ID:	220123-F2-CT01	220123-F2-CT02	F2-TW-1303385-22023-N	F2-TW-1304317-22023-N	F2-TW-1303363-22023-N	F2-TW-137350-22023-N	220123-F2-DT01
Sample Date:	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24	2022-01-23
Sample Type:	N	FD	N	N	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG		SDG		SDG	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Environmental Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	Environmental Protection Agency Maximum Contaminant Levels	Table D-1A	SDG	Table D-1A	SDG	Table D-1A	SDG	Table D-1A
1-Methylnaphthalene	2.1	10	None	None	None	None	None	None	None	810128421	810128421	810129381	810130371	810130371	35692277
2-Methylnaphthalene	4.7	10	None	None	None	None	None	None	None	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0200 U	0.180 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00970 U	0.00970 U	0.00960 U	0.00970 U	0.240 U	0.240 U	0.0190 U	0.0190 U	0.0200 U	0.190 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.580 U	0.580 U	0.380 U	0.580 U	0.580 U	1.30 J	0.580 U	0.580 U	0.590 U	0.470 UJ
Naphthalene	12	17	None	None	None	0.0190 U	0.0190 U	0.240 U	0.0190 U	0.240 U	0.240 U	0.0190 U	0.0190 U	0.0200 U	0.180 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG		SDG		SDG	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Environmental Action Levels	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Table D-1A	Environmental Protection Agency Maximum Contaminant Levels	Table D-1A	SDG	Table D-1A	SDG	Table D-1A	SDG	Table D-1A
1,1,1-Trichloroethane	11	11	200	200	200	200	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	3	0.288 U	0.288 U	0.500 U	0.288 U	0.500 U	0.500 U	0.288 U	0.288 U	0.288 U	0.288 UJ
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.500 U	0.128 U	0.500 U	0.500 U	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.500 U	0.318 U	0.500 U	0.500 U	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.500 U	0.272 U	0.500 U	0.500 U	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.500 U	0.0884 U	0.500 U	0.500 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.500 U	0.129 U	0.500 U	0.500 U	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	75	0.245 U	0.245 U	0.500 U	0.245 U	0.500 U	0.500 U	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.500 U	0.0846 U	0.500 U	0.500 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.500 U	0.165 U	0.500 U	0.500 U	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.500 U	0.146 U	0.500 U	0.500 U	0.146 U	0.146 U	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.0570 U	0.500 U	0.0570 U	0.500 U	0.500 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.141 U	0.500 U	0.141 U	0.500 U	0.500 U	0.141 U	0.141 U	0.141 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.317 U	0.500 U	0.317 U	0.500 U	0.500 U	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	2.15 U	0.500 U	2.15 U	0.500 U	0.500 U	2.15 U	2.15 U	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.157 U	0.500 U	0.157 U	0.500 U	0.500 U	0.157 U	0.157 U	0.157 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.224 U	0.500 U	0.224 U	0.500 U	0.500 U	0.224 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.125 U	0.500 U	0.125 U	0.500 U	0.500 U	0.125 U	0.125 U	0.125 U	0.125 UJ
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.120 U	0.500 U	0.120 U	0.500 U	0.500 U	0.120 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.0958 U	0.500 U	0.0958 U	0.500 U	0.500 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.0574 U	0.500 U	0.0574 U	0.500 U	0.500 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.611 U	0.500 U	0.611 U	0.500 U	0.500 U	0.611 U	0.611 U	0.611 U	0.611 UJ
Xylenes, Total	10000	13	10000	10000	10000	--	--	0.500 U	--	--	0.500 U	--	--	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
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Location ID:	F2-SCHM2788	F2-SHIE3278	F2-SHIE5230	F2-SHIE5264	F2-SHIE5294	F2-SHIE5352	F2-SIBL0716
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	2788 Schmitt Parkway	3278 Shields Lane	5230 Shields Street	5264 Shields Street	5294 Shields Street	5352 Shields Street	716 Sibley Street
Field Sample ID:	F2-TW-2201045-22023-N-02	220123-F2-KT02	220123-F2-ET07	220123-F2-GT04	F2-TW-1304075-22023-N	220123-F2-JT03	F2-TW-1304339-22023-N
Sample Date:	2022-01-25	2022-01-23	2022-01-23	2022-01-23	2022-01-25	2022-01-23	2022-01-24
Sample Type:	N	N	N	N (72 Hour Stagnation)	N	N	N

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 810128421	SDG: 35692277	SDG: DA41309	SDG: DA41160	SDG: 35692731	SDG: DA41160	SDG: 810129381
		Environmental Action Levels Table D-1A	Environmental Protection Agency										
1-Methylnaphthalene	2.1	10	None	None	None	0.180 U	0.0190 U	0.180 U	0.240 U	0.240 U	0.180 U	0.240 U	0.0190 U
2-Methylnaphthalene	4.7	10	None	None	None	0.180 U	0.0190 U	0.180 U	0.240 U	0.240 U	0.190 U	0.240 U	0.0190 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.0190 U	0.00970 U	0.0190 UJ	0.00950 U	0.00960 U	0.0200 U	0.00950 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.470 U	0.580 U	0.470 UJ	0.380 U	1.50 J	0.470 U	1.10 J	0.580 U
Naphthalene	12	17	None	None	None	0.180 U	0.0190 U	0.180 U	0.240 U	0.240 U	0.180 U	0.240 U	0.0190 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: DA41160	SDG: C22A047	SDG: DA41309	SDG: DA41160	SDG: C22A051 rev2	SDG: DA41160	SDG: C22a049 rev1
		Environmental Action Levels Table D-1A	Environmental Protection Agency										
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.500 U	0.119 U	0.500 U	0.500 U	0.119 U	0.500 U	0.119 U
1,1,2-Trichloroethane	5	5	3	5	5	0.288 U	0.500 U	0.288 UJ	0.500 U	0.500 U	0.288 U	0.500 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.500 U	0.128 U	0.500 U	0.500 U	0.128 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.500 U	0.318 U	0.500 U	0.500 U	0.318 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.500 U	0.272 U	0.500 U	0.500 U	0.272 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.500 U	0.0884 U	0.500 U	0.500 U	0.0884 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.500 U	0.129 U	0.500 U	0.500 U	0.129 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5	75	None	None	0.245 U	0.500 U	0.245 U	0.500 U	0.500 U	0.245 U	0.500 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.500 U	0.0846 U	0.500 U	0.500 U	0.0846 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.500 U	0.165 U	0.500 U	0.500 U	0.165 U	0.500 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.500 U	0.146 U	0.500 U	0.500 U	0.146 U	0.500 U	0.146 U
cis-1,2-Dichloroethene	70	70	70	70	70	0.0570 U	0.500 U	0.0570 U	0.500 U	0.500 U	0.0570 U	0.500 U	0.0570 U
Ethylbenzene	700	7.3	700	700	700	0.141 U	0.500 U	0.141 U	0.500 U	0.500 U	0.141 U	0.500 U	0.141 U
m,p-Xylene	10000	13	None	None	None	0.317 U	0.500 U	0.317 U	0.500 U	0.500 U	0.317 U	0.500 U	0.317 U
Methylene chloride	5	5	5	5	5	2.15 U	0.500 U	2.15 U	0.500 U	0.500 U	2.15 U	0.500 U	2.15 U
o-Xylene	10000	13	None	None	None	0.157 U	0.500 U	0.157 U	0.500 U	0.500 U	0.157 U	0.500 U	0.157 U
Styrene	10	10	100	100	100	0.224 U	0.500 U	0.224 U	0.500 U	0.500 U	0.224 U	0.500 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	0.125 U	0.500 U	0.125 UJ	0.500 U	0.500 U	0.125 U	0.500 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	0.120 U	0.500 U	0.120 U	0.500 U	0.500 U	0.120 U	0.500 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	0.0958 U	0.500 U	0.0958 U	0.500 U	0.500 U	0.0958 U	0.500 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	0.0574 U	0.500 U	0.0574 U	0.500 U	0.500 U	0.0574 U	0.500 U	0.0574 U
Vinyl chloride	2	2	2	2	2	0.611 U	0.500 U	0.611 UJ	0.500 U	0.500 U	0.611 U	0.500 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	--	0.500 U	--	0.500 U	0.500 U	--	0.500 U	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-SIBL0722	F2-SNYD3166	F2-SNYD3166	F2-STOW2583	F2-STOW2607	F2-STOW2608	F2-STOW2643	F2-STOW2708
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	722 Sibley Street	3166 Snyder Court	3166 Snyder Court	2583 Stowell Circle	2607 Stowell Circle	2608 Stowell Circle	2643 Stowell Circle	2708 Stowell Circle
Field Sample ID:	F2-TW-1304341 - 22023-N	220123-F2-LT05	F2-TW-1303363(A)- 22023-N	F2-TW-548053-22023- N	F2-TW-548057-22023- N	F2-TW-1304262- 22023-N-01	F2-TW-549193-22023- N	F2-TW-2201019- 22023-3-N
Sample Date:	2022-01-25	2022-01-23	2022-01-25	2022-01-25	2022-01-24	2022-01-25	2022-01-24	2022-01-24
Sample Type:	N	N	N (72 Hour Stagnation)	N	N	N	N	FD

SVOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810131351	SDG: DA41160	SDG: DA41309	SDG: DA41309	SDG: 810130371	SDG: DA41309	SDG: 810130371	SDG: 810130371
		Action Levels	Table D-1A										
1-Methylnaphthalene	2.1	10		None	None	0.0200 U	0.240 U	0.240 U	0.240 U	0.0190 U	0.240 U	0.0200 U	0.0200 U
2-Methylnaphthalene	4.7	10		None	None	0.0200 U	0.240 U	0.240 U	0.240 U	0.0190 U	0.240 U	0.0200 U	0.0200 U
Benzo(a)pyrene	0.06	0.06		0.2	0.2	0.0100 U	0.00950 U	0.00950 U	0.00950 U	0.00970 U	0.00950 U	0.00980 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3		6	6	0.600 U	1.40 J	0.380 U	0.380 U	0.580 U	0.380 U	0.590 U	0.590 U
Naphthalene	12	17		None	None	0.0200 U	0.240 U	0.240 U	0.240 U	0.0190 U	0.240 U	0.0200 U	0.0200 U

VOC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: DA41160	SDG: DA41309	SDG: DA41309	SDG: C22a049 rev1	SDG: DA41309	SDG: C22a049 rev1	SDG: C22a049 rev1
		Action Levels	Table D-1A										
1,1,1-Trichloroethane	11	11		200	200	0.119 U	0.500 U	0.500 U	0.500 U	0.119 U	0.500 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5		3	5	0.288 U	0.500 U	0.500 U	0.500 U	0.288 U	0.500 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7		7	7	0.128 U	0.500 U	0.500 U	0.500 U	0.128 U	0.500 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70		70	70	0.318 U	0.500 U	0.500 U	0.500 U	0.318 U	0.500 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10		600	600	0.272 U	0.500 U	0.500 U	0.500 U	0.272 U	0.500 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5		5	5	0.0884 U	0.500 U	0.500 U	0.500 U	0.0884 U	0.500 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5		5	5	0.129 U	0.500 U	0.500 U	0.500 U	0.129 U	0.500 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5		75	None	0.245 U	0.500 U	0.500 U	0.500 U	0.245 U	0.500 U	0.245 U	0.245 U
Benzene	5	5		5	5	0.0846 U	0.500 U	0.500 U	0.500 U	0.0846 U	0.500 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5		5	5	0.165 U	0.500 U	0.500 U	0.500 U	0.165 U	0.500 U	0.165 U	0.165 U
Chlorobenzene	25	25		100	100	0.146 U	0.500 U	0.500 U	0.500 U	0.146 U	0.500 U	0.146 U	0.146 U
cis-1,2-Dichloroethene	70	70		70	70	0.0570 U	0.500 U	0.500 U	0.500 U	0.0570 U	0.500 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3		700	700	0.141 U	0.500 U	0.500 U	0.500 U	0.141 U	0.500 U	0.141 U	0.141 U
m,p-Xylene	10000	13		None	None	0.317 U	0.500 U	0.500 U	0.500 U	0.317 U	0.500 U	0.317 U	0.317 U
Methylene chloride	5	5		5	5	2.15 U	0.500 U	0.500 U	0.500 U	2.15 U	0.500 U	2.15 U	2.15 U
o-Xylene	10000	13		None	None	0.157 U	0.500 U	0.500 U	0.500 U	0.157 U	0.500 U	0.157 U	0.157 U
Styrene	10	10		100	100	0.224 U	0.500 U	0.500 U	0.500 U	0.224 U	0.500 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5		5	5	0.125 U	0.500 U	0.500 U	0.500 U	0.125 U	0.500 U	0.125 U	0.125 U
Toluene	1000	9.8		1000	1000	0.120 U	0.500 U	0.500 U	0.500 U	0.120 U	0.500 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100		100	100	0.0958 U	0.500 U	0.500 U	0.500 U	0.0958 U	0.500 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5		5	5	0.0574 U	0.500 U	0.500 U	0.500 U	0.0574 U	0.500 U	0.0574 U	0.0574 U
Vinyl chloride	2	2		2	2	0.611 U	0.500 U	0.500 U	0.500 U	0.611 U	0.500 U	0.611 U	0.611 U
Xylenes, Total	10000	13		10000	10000	--	0.500 U	0.500 U	0.500 U	--	0.500 U	--	--

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-STOW2708 F2-STOW2731 F2-STOW2760 F2-STOW2784 F2-STOW2787 F2-TIAR1705 F2-TOMI3186 F2-TOMI3248
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 2708 Stowell Circle 2731 Stowell Circle 2760 Stowell Circle 2784 Stowell Circle 2787 Stowell Circle 1705 Tiare Court 3186 Tomich Court 3248 Tomich Court

Field Sample ID: F2-TW-2201019-22023-N F2-TW-2201020-22023-N F2-TW-2201021-22023-N F2-TW-549227-22023-N F2-TW-2201011(a)-22023-N F2-TW-2212511-22023-N 220123-F2-CT04 220123-F2-IT05
Sample Date: 2022-01-24 2022-01-24 2022-01-24 2022-01-24 2022-01-24 2022-01-25 2022-01-23 2022-01-23
Sample Type: N N N N N N N N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810130371	SDG: 810130371	SDG: 810130371	SDG: 35692731	SDG: 810131351	SDG: 810128421	SDG: DA41160
SVOC (µg/L)											
1-Methylnaphthalene	2.1	10	None	None	0.0190 U	0.0190 U	0.0200 U	0.180 U	0.0190 U	0.0190 U	0.240 U
2-Methylnaphthalene	4.7	10	None	None	0.0190 U	0.0190 U	0.0200 U	0.190 U	0.0190 U	0.0190 U	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00970 U	0.00970 U	0.00980 U	0.0200 U	0.00960 U	0.00970 U	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.580 U	0.580 U	0.590 U	0.470 U	0.580 U	0.580 U	2.80 J
Naphthalene	12	17	None	None	0.0190 U	0.200	0.0200 U	0.180 U	0.0190 U	0.0190 U	0.240 U

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22A051 rev2	SDG: C22A047	SDG: DA41160
VOC (µg/L)										
1,1,1-Trichloroethane	11	11	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5	5	3	5	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U
1,1-Dichloroethene	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U
1,2-Dichloroethane	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U
1,2-Dichloropropane	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5	5	75	None	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U
Benzene	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U
Carbon Tetrachloride	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U
Chlorobenzene	25	25	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.500 U
Ethylbenzene	700	7.3	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U
m,p-Xylene	10000	13	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U
Methylene chloride	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U
o-Xylene	10000	13	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U
Styrene	10	10	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U
Toluene	1000	9.8	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U
Vinyl chloride	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U
Xylenes, Total	10000	13	10000	10000	--	--	--	--	--	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-VAES3034 F2-VAES3034 F2-VAES3040 F2-VAES3080
Location Type: Residence Residence Residence Residence
Residence: 3034 Vaessen Court 3034 Vaessen Court 3040 Vaessen Court 3080 Vaessen Court

Field Sample ID: 220123-F2-ET08 F2-TW-2212512-22023-N 220123-F2-AT05 220123-F2-LT03
Sample Date: 2022-01-23 2022-01-25 2022-01-23 2022-01-23
Sample Type: N N (72 Hour Stagnation) N N

SVOC (µg/L)	Incident Specific Parameters	DOH		Environmental	
		Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Protection Agency Maximum Contaminant Levels	SDG: DA41271
1-Methylnaphthalene	2.1	10	None	None	0.240 U
2-Methylnaphthalene	4.7	10	None	None	0.240 U
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.390 U
Naphthalene	12	17	None	None	0.240 U

VOC (µg/L)	Incident Specific Parameters	DOH		Environmental	
		Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Protection Agency Maximum Contaminant Levels	SDG: DA41271
1,1,1-Trichloroethane	11	11	200	200	0.500 U
1,1,2-Trichloroethane	5	5	3	5	0.500 U
1,1-Dichloroethene	7	7	7	7	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.500 U
1,2-Dichlorobenzene	10	10	600	600	0.500 U
1,2-Dichloroethane	5	5	5	5	0.500 U
1,2-Dichloropropane	5	5	5	5	0.500 U
1,4-Dichlorobenzene	5	5	75	None	0.500 U
Benzene	5	5	5	5	0.500 U
Carbon Tetrachloride	5	5	5	5	0.500 U
Chlorobenzene	25	25	100	100	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	0.500 U
Ethylbenzene	700	7.3	700	700	0.500 U
m,p-Xylene	10000	13	None	None	0.500 U
Methylene chloride	5	5	5	5	0.500 U
o-Xylene	10000	13	None	None	0.500 U
Styrene	10	10	100	100	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	0.500 U
Toluene	1000	9.8	1000	1000	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	0.500 U
Trichloroethene (TCE)	5	5	5	5	0.500 U
Vinyl chloride	2	2	2	2	0.500 U
Xylenes, Total	10000	13	10000	10000	0.500 U

Residential Sampling Report for Flushing Zone
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH MCL
Results in blue font also exceed the EPA MCL
Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

µg/L = Micrograms per Liter

March 7, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE F2 EXCEEDANCE INVESTIGATION SUMMARY AND RESAMPLE RESULTS

Ref: (a) DoH's Guidance on the Approach to Amending the Public Health Advisory, Addendum 1 dtd 12 FEB 2022

Encl: (1) Zone F2 ISP or MCL Exceedance Report
(2) Zone F2 TPH Exceedance Map Area and Resampling Locations
(3) Zone F2 ISP or MCL Exceedance Resample Report
(4) DoH TPH Sample Results for Zone F2
(5) Hawaii State Department of Health Petroleum Hydrocarbons in Water Health Effects
(6) AECOM Bis (2-ethylhexyl) phthalate Exceedance Results Memo dtd 20 FEB 2022
(7) SGS Corrective Action Summary Form dtd 07 MAR 2022
(8) National Primary Drinking Water Regulation, EPA 816-F-09-004
(9) DoH SVOC Sample Results for Zone F2

1. This letter documents the investigation into exceedances of incident specific parameters (ISP) and Safe Drinking Water Act (SDWA) maximum contaminant levels (MCLs) in Zone F2. Enclosure (1) documents exceedances for building (residence and non-residences) sampling test results for the ISP total organic carbon (TOC) of 2 parts per million, the ISP for total petroleum hydrocarbons of 211 parts per billion (ppb) in building, and di (2-ethylhexy) phthalate with a MCL of 6 ppb

2. The IDWST reviewed the TOC distribution and building sample results in their entirety. The exceedances of the ISP in buildings ranged between 2 ppm and 9 ppm. The Navy informed that IDWST that residents have been informed to run their water as part of the return to home plan. This is in addition to the flushing that was previously done by the Navy. The additional flushing will decrease water quality impacts from stagnant water. The IDWST determined that no further action was required beyond the long term monitoring sampling for Zone F2.

3. TPH was detected at a value of 460 ppb at 4018 Noonan (residence). The IDWST reviewed the location of the TPH exceedance against location of all other samples in Zone D2. Enclosure (2) shows the geographic dispersal of the initial sample results. Review of the geographic dispersal of the sampling results seemed to indicate that the exceedance was a localized issue that was most likely attributable to premise plumbing. The IDWST determined that further investigation was needed through sampling and flushing. 4018 Noonan was sampled, flushed, and resampled. Both samples were below the ISP for TPH as documented in enclosure (3). As part of the plan of action and milestones (POAM) developed by the IDWST, the team decided to take additional samples in the vicinity of 4018 Noonan Street. Three different locations were sampled in addition to 4018 Noonan Street. The additional sample locations included 4009 Noonan Street, 4036 Noonan Street and 2819 Tapp Street to further bracket the 4018 Noonan Street residence beyond the initial

SUBJ: ZONE F2 EXCEEDANCE INVESTIGATION SUMMARY AND RESAMPLE RESULTS

sampling efforts. The bracketing of 4018 Noonan Street is shown in the second figure of enclosure (2). All additional sample test results were below the ISP for TPH as shown in enclosure (3).

In regards to TPH, the IDWST determined that no further action was required beyond the long term monitoring sampling for Zone F2. Enclosure (4) contains sample tests results for TPH taken by DoH. All sample results taken by DoH were below the ISP. Enclosure (5) contains information about the health effects of petroleum hydrocarbons in water.

4. Bis (2-ethylhexyl) phthalate, which is also referred to as di (2-ethylhexyl) phthalate, was detected at a value 23.8J ppb at Building 3349 (non-residence) and 18.3J at Building 7751 (non-residence) as documented in enclosure (1). Laboratories may use data qualifiers when reporting test results. A J qualifier means that the number is an estimated value because something in the sample interfered with the analysis. This test results were in exceedance of the MCL of 6 ppb. This type of exceedance had been encountered before in other zones. Investigation into this matter determined that laboratory contamination contributed to the detection of this analyte. Enclosure (6) documents this investigation and states: “the weight of evidence suggests are all the exceedance results are false positives attributable to laboratory contamination, and therefore no further action is warranted at this time.” Enclosure (7) is a corrective action summary from the laboratory, SGS Wheat Ridge, acknowledging the laboratory contamination and the immediate steps taken to prevent future occurrences. As an additional line of evidence and a precaution, the IDWST members directed that the buildings be sampled, flushed and sampled again to confirm that the analyte was below the MCL. All samples were non-detect for bis (2-ethylhexyl) phthalate as documented in enclosure (3). Enclosure (7) provides the potential health effects for from long-term exposure to di (2-ethylhexyl) phthalate, which is also referred to as bis (2-ethylhexyl) phthalate, above the MCL.

5. Enclosures (4) and (9) are the test results for samples taken by DoH. There were no exceedances above the MCL or exceedances above the ISP that required further action. The Navy and DoH laboratory reports will be made publicly available at <https://jbphh-safewaters.org/> upon amendment of the health advisory for Zone F2.

6. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAELWAYNE
EL.WAYNE.JR.
1088310035
Digitally signed by
MENO.MICHAELWAYNE
NEJR.1088310035
Date: 2022.03.07
18:47:32 -10'00'

M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

Location Type:

Residence:

Field Sample ID:

Sample Date:

Sample Type:

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
	2	None	None	None	5.88	4.06	--	--	--	4.73
Total Organic Carbon										
HC (µg/L)	Incident Specific Parameters	DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
	200	500	None	None	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)										
Total Petroleum Hydrocarbons										
HC (µg/L)	Incident Specific Parameters	DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
	2	0.025	2	2	--	--	--	--	--	--
Mercury										
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
	1300	2.9	1300	1300	35.9	29.6	9.70	9.00	12.0	5.40
Copper										
Lead										
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41160	SDG: 810129381	SDG: 35692837	SDG: C22a049 rev1
	6	3	6	6	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate										

— indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH MCL
Results in blue font also exceed the EPA MCL
Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

ug/L = Micrograms per Liter

JBPHH.ChemCrossTab_Alllimits
March 04, 2022

Chemistry Results

Residence:

Sample Type:

[illegible]

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	F2-ARIZ2913	F2-ARIZ3004	F2-ARIZ3085	F2-BENF5419	F2-BENF5437	F2-BENF5437	F2-BENF5437	F2-BLDG0603
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Non-Residence
Residence:	2913 Arizona Road	3004 Arizona Road	3085 Arizona Road	5419 Benfold Lane	5437 Benfold Lane	5437 Benfold Lane	5437 Benfold Lane	Building 603, POOL BATH HOUSE POOL Street
Field Sample ID:	F2-TW-1303054-2023-N	F2-TW-22102404-2023-N	220123-F2-LT08	220123-F2-FT06	220123-F2-ET06	F2-TW-1303914-2023-N	F2-TW-1303914-2023-N	220129F2CT02
Sample Date:	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-25	2022-01-25	2022-01-29
Sample Type:	N	N	N	N	N	FD	N (72 Hour Stagnation)	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A049 rev1	SDG: DA41271	SDG: C22A047	SDG: C22A047	SDG: C22A047	SDG: DA41309	SDG: DA41309	SDG: DA41395
Total Organic Carbon	2	None	None	None	5.06	--	8.74 J	4.57 J	2.18 J	--	--	--
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: C22A047	SDG: 35692277	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: DA41395
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: C22A047	SDG: 35692277	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: DA41395
Mercury	2	0.025	2	2	--	--	--	--	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: C22A047	SDG: 35692277	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: DA41395
Copper	1300	2.9	1300	1300	4.60	5.20	--	16.8	135	27.4	25.1	4.30
Lead	15	5.6	15	15	--	--	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: C22A047	SDG: 35692277	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: DA41395
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--	--	--

Chemistry Results

Sample Type:

[illegible]

Zone F2 ISP or MCL Exceedance Report

Location ID:

Location Type:

Residence:

Field Sample ID:

Sample Date:

Sample Type:

DOH Environmental Protection Agency Maximum Contaminant Levels									
DOH Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22A047	SDG: DA41160	SDG: DA41227
Incident Specific Parameters	Incident Specific Groundwater Action Levels	Incident Specific Groundwater Action Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: C22A047	SDG: DA41160	SDG: DA41227
2	None	None	7.07	--	--	--	7.88 J	--	--
Total Organic Carbon									
DOH Environmental Protection Agency Maximum Contaminant Levels									
Incident Specific Parameters	Incident Specific Groundwater Action Levels	Incident Specific Groundwater Action Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 35692277	SDG: DA41160	SDG: DA41227
200	500	None	--	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)									
211									
Total Petroleum Hydrocarbons									
DOH Environmental Protection Agency Maximum Contaminant Levels									
Incident Specific Parameters	Incident Specific Groundwater Action Levels	Incident Specific Groundwater Action Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 35692277	SDG: DA41160	SDG: DA41227
2	0.025	2	--	--	--	--	--	--	--
Mercury									
DOH Environmental Protection Agency Maximum Contaminant Levels									
Incident Specific Parameters	Incident Specific Groundwater Action Levels	Incident Specific Groundwater Action Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 35692277	SDG: DA41160	SDG: DA41227
1300	2.9	1300	28.1	4.60	4.80	17.7	11.3	5.60	47.4
Copper	15	5.6	15	--	--	--	--	--	--
Lead	15	5.6	15	--	--	--	--	--	--
DOH Environmental Protection Agency Maximum Contaminant Levels									
Incident Specific Parameters	Incident Specific Groundwater Action Levels	Incident Specific Groundwater Action Levels	SDG: 35692837	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 35692277	SDG: DA41160	SDG: DA41227
6	3	6	--	--	--	--	--	--	--
SVOC (µg/L)									
Bis(2-ethylhexyl)phthalate									

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:													
Location Type:													
Residence:	F2-COLE4109	F2-CURT3001	F2-DALY3049	F2-DEWE3209	F2-DEWE3234	F2-DOR12267C	F2-DOR12267C	F2-DOR12269A					
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence					
	4109 Colegrove Street	3001 Curtis Drive	3049 Daly Drive	3209 Dewert Lane	3234 Dewert Lane	267C Doris Miller Loop	267C Doris Miller Loop	269A Doris Miller Loop					
Field Sample ID:	F2-TW-1303352-22023-N	F2-TW-22102405-22023-N	F2-TW-133157-22023-N	220123-F2-LT04	220123-F2-LT01	220123-F2-LT02	220123-F2-AT04						
Sample Date:	2022-01-24	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23					
Sample Type:	N	N	N	N	N	N	FD	N					

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: DA41271	SDG: DA41227	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: C22A047
Total Organic Carbon	2	None	None	None	5.21	--	--	--	--	--	6.96 J
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41227	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810128421
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41227	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810128421
Mercury	2	0.025	2	2	0.120 J	--	--	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41227	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810128421
Copper	1300	2.9	1300	1300	18.3	26.4	197	8.90	104	109	39.0
Lead	15	5.6	15	15	--	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: DA41271	SDG: DA41227	SDG: DA41160	SDG: DA41160	SDG: DA41160	SDG: 810128421
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--	--

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:

Location Type:

Residence:

Field Sample ID:

Sample Date:

Sample Type:

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810131351	SDG:	C22a049 rev1	SDG:	DA41271	SDG:	C22A051 rev2	SDG:	DA41160
Total Organic Carbon	2	None	None	None	SDG:	810131351	SDG:	C22a049 rev1	SDG:	DA41271	SDG:	C22A051 rev2	SDG:	DA41160
								4.76				4.28	5.52	
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
Total Petroleum Hydrocarbons	211													
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
Mercury	2	0.025	2	2	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
Copper	1300	2.9	1300	1300	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
						45.0		13.5		6.90		7.10		14.8
Lead	15	5.6	15	15										
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810131351	SDG:	35692837	SDG:	DA41271	SDG:	35692731	SDG:	DA41160
Bis(2-ethylhexyl)phthalate	6	3	6	6										

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:	F2-GILL3177 Residence 3177 Gillespie Lane	F2-GILL3223 Residence 3223 Gillespie Lane	F2-GILL3231 Residence 3231 Gillespie Lane	F2-GILL3239 Residence 3239 Gillespie Lane	F2-GORD2644 Residence 2644 Gordon Street	F2-GORD2645 Residence 2645 Gordon Street	F2-GORD2648 Residence 2648 Gordon Street	F2-GORD2667 Residence 2667 Gordon Street		
Field Sample ID:	220123-F2-GT08	220123-F2-HT01	220123-F2-LT07	220123-F2-BT01	F2-TW-1304354- 22023-N	F2-TW-135782-22023- N	F2-TW-1304323- 22023-N	F2-TW-1304327- 22023-N		
Sample Date:	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-24	2022-01-24	2022-01-24	2022-01-24		
Sample Type:	FD	N	N	N	N	N	N	N		

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Total Organic Carbon	2	None	None	None	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: C22a049 rev1
					--	--	--	--	--	6.23 J
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: 35692731
					--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Mercury	2	0.025	2	2	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: 35692731
					--	--	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Copper	1300	2.9	1300	1300	SDG: DA41160	SDG: 810128421	SDG: DA41160	SDG: DA41227	SDG: DA41271	SDG: 35692731
					14.2	12.0	19.3	29.1	8.50	9.70
Lead	15	5.6	15	15	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--
					--	--	--	--	--	--

Drinking Water Sampling, JBPHH, Oahu Hawaii

Residence:

Sample Type:

GENCHEM (mg/L)										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: C22a049 rev1	SDG: 35692837	SDG: 35692837
2	None	None	None	4.50	4.31	4.29	5.17	4.72	4.85	--
Total Organic Carbon										
DOH Environmental Protection Agency Maximum Contaminant Levels										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837
200	500	None	None	--	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)										
DOH Environmental Protection Agency Maximum Contaminant Levels										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837
2	0.025	2	2	--	--	0.0900 J	--	--	--	--
Mercury										
DOH Environmental Protection Agency Maximum Contaminant Levels										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837
1300	2.9	1300	1300	55.3	4.20	6.30	8.30	16.6	5.80	21.9
Copper										
15	5.6	15	15	--	--	--	--	--	--	--
Lead										
DOH Environmental Protection Agency Maximum Contaminant Levels										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837
6	3	6	6	--	--	--	--	--	--	--
SVOC (ug/L)										
DOH Environmental Protection Agency Maximum Contaminant Levels										
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692731	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837	SDG: 35692837
6	3	6	6	--	--	--	--	--	--	--

Chemistry Results

Residence:

Sample Type:

		DH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SOG: CZ2A051 rev2	SOG: CZ2A047	SOG: CZ2A047	SOG: CZ2A047	SOG: DA41271	SOG: 810128421	SOG: CZ2A051 rev2
GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	None	None	9.20 J	7.25 J	7.80 J	C22A047	--	--	5.44
Total Organic Carbon	2	None	None	None	4.30	9.79 J	9.79 J	C22A047	--	--	5.44
		DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
HC (ug/L)	Incident Specific Parameters	Action Levels	None	None	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	35692731	810128421	810128421	810128421	DA41271	810128421	35692731
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--
		DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
HG (ug/L)	Incident Specific Parameters	Action Levels	None	None	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:
Mercury	2	0.025	2	2	35692731	810128421	810128421	810128421	DA41271	810128421	35692731
		DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
METAL (ug/L)	Incident Specific Parameters	Action Levels	None	None	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:
Copper	1300	2.9	1300	1300	8.50	14.0	27.0	810128421	DA41271	810128421	35692731
Lead	15	5.6	15	15	--	--	--	34.0	13.8	9.60	7.70
		DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels				--	--	--	--
SVOC (ug/L)	Incident Specific Parameters	Action Levels	None	None	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:	SOG:
Bis(2-ethylhexyl)phthalate	6	3	6	6	35692731	810128421	810128421	810128421	DA41271	810128421	35692731

Location ID:	Location Type:	Residence:
F2-HAMP4138	F2-HAMP4138 Residence	4138 Hampton Street 4138 Hampton Street
F2-HAYS0814	F2-HAYS0814 Residence	814 Hays Street 814 Hays Street
F2-JALU0598	F2-JALU0598 Residence	598 Jaluit Street 598 Jaluit Street
F2-JALU0620	F2-JALU0620 Residence	620 Jaluit Street 620 Jaluit Street
F2-JALU3304	F2-JALU3304 Residence	3304 Jaluit Lane 3304 Jaluit Lane
F2-JALU3311	F2-JALU3311 Residence	3311 Jaluit Lane 3311 Jaluit Lane
F2-JALU3325	F2-JALU3325 Residence	3325 Jaluit Lane 3325 Jaluit Lane

[illegible]

Zone F2 ISP or MCL Exceedance Report F2 Zone Residential DW Sampling

Location Type:

Residence:

Field Sample ID:	F2-TW-1303804-	220123-F2-ET01	220123-F2-ET02	F2-TW-1302980-	220123-F2-ET04	F2-TW-1304044-	220123-F2-HT03	220123-F2-FT04
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Sample Date:	2022-01-25	2022-01-23	2022-01-25	2022-01-23	2022-01-25	2022-01-23

Sample Type:	N (72 Hour Stagnation)	N (72 Hour Stagnation)	N (72 Hour Stagnation)	N
FD	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		None	None	None	--	3.75 J	2.83 J	7.87 J	--	7.01 J
Total Organic Carbon										
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	None	None	--	35692837	35692837	35692837	--	35692277
Petroleum Hydrocarbons (as Motor Oil)										
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	500	None	--	--	--	--	--	--
Total Petroleum Hydrocarbons										
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	0.025	2	--	35692837	35692837	35692837	35692837	35692277
Mercury										
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	1300	2	--	35.1	34.4	58.7	6.90	24.6
Copper										
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	15	15	--	5.6	5.6	5.6	5.6	5.6
Lead										
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA41309	SDG: C22A047	SDG: DA41309	SDG: C22A047	SDG: DA41227	SDG: C22A047
		Groundwater Action Levels	6	6	--	3	3	3	3	3
bis(2-ethylhexyl)phthalate										

Zone F2 ISP or MCL Exceedance Report

Location Type:

Resider

Field Sample ID:

Sample Date:

Sample Type:

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A047	SDG: DA41309	SDG: DA41309	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: 810131351	SDG: DA41227
		2	None	None	4.28 J	--	--	--	5.63	3.06	--
Total Organic Carbon											
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: 810131351	SDG: 35692731	SDG: 810131351	SDG: DA41227
		500	None	None	--	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)											
211											
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: 810131351	SDG: 35692731	SDG: 810131351	SDG: DA41227
		2	0.025	2	--	--	--	--	--	--	--
Mercury											
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: 810131351	SDG: 35692731	SDG: 810131351	SDG: DA41227
		1300	2.9	1300	12.0	12.6	5.90	9.50	114	150	170
Copper	15	5.6	15	15	--	--	--	--	--	--	--
Lead	15	5.6	15	15	--	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41309	SDG: DA41309	SDG: 810131351	SDG: 35692731	SDG: 810131351	SDG: DA41227
		6	3	6	--	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate											

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-KOUH1857 F2-KOUH1877 F2-LIPP2089 F2-LOUN4108 F2-LOUN4114 F2-LOUN4114 F2-MALO0577
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1857 Kou Haole Loop 1877 Kou Haole Loop 2089 Uppia Loop 4108 Lounsbury Street 4114 Lounsbury Street 4114 Lounsbury Street 577 Maloelap Lane

Field Sample ID:	F2-TW-2212503-	F2-TW-2212504-	F2-TW-1304219(A)-	F2-TW-1303533-	F2-TW-1303534-	F2-TW-1303534-	220123-F2-JT06
Sample Date:	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-24	2022-01-24	2022-01-23
Sample Type:	N	N	FD	N	FD	N	N
	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels
GENCHEM (mg/L)	2	None	None	None	None	None	None
Total Organic Carbon	2	2.71	4.68	4.68	4.68	4.68	4.68
	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels
HC (µg/L)	Incident Specific Parameters	200	500	Incident Specific Parameters	200	500	Incident Specific Parameters
Petroleum Hydrocarbons (as Motor Oil)	211	211	211	211	211	211	211
	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels
HG (µg/L)	2	0.025	2	2	2	2	2
Mercury	2	0.025	2	2	2	2	2
	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels
METAL (µg/L)	Incident Specific Parameters	1300	1300	Incident Specific Parameters	1300	1300	Incident Specific Parameters
Copper	1300	140	1300	1300	1300	1300	1300
Lead	15	5.6	15	15	15	15	15
	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Protection Agency Maximum Contaminant Levels
SVOC (µg/L)	Incident Specific Parameters	6	3	6	6	6	6
Bis(2-ethylhexyl)phthalate	6	3	3	6	6	6	6

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:										
Field Sample ID:										
Sample Date:										
Sample Type:										
	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
GENCHEM (mg/L)	Incident Specific Parameters	2	None	None	SDG: DA41271	SDG: DA41271	SDG: C22A051 rev2	SDG: DA41227	SDG: DA41227	SDG: DA41309
Total Organic Carbon							3.98			
	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
HC (µg/L)	Incident Specific Parameters	200	None	None	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41309	SDG: DA41309
Petroleum Hydrocarbons (as Motor Oil)										
Total Petroleum Hydrocarbons		211								
	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
HG (µg/L)	Incident Specific Parameters	2	0.025	2	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41309	SDG: DA41309
Mercury										
	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
METAL (µg/L)	Incident Specific Parameters	1300	2.9	1300	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41309	SDG: DA41309
Copper							8.10	17.3	17.4	26.9
Lead		15	5.6	15						
	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels							
SVOC (µg/L)	Incident Specific Parameters	6	3	6	SDG: DA41271	SDG: DA41271	SDG: 35692731	SDG: DA41227	SDG: DA41309	SDG: DA41309
Bis(2-ethylhexyl)phthalate										

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:	F2-MEY0604 Residence 604 Meyerkord Loop	F2-MEY0630 Residence 630 Meyerkord Loop	F2-MEY0630 Residence 630 Meyerkord Loop	F2-MEY0654 Residence 654 Meyerkord Loop	F2-MEY0657 Residence 657 Meyerkord Loop	F2-MOOR3029 Residence 3029 Moore Drive	F2-MORE3104 Residence 3104 Moreell Circle	F2-MORE3128 Residence 3128 Moreell Circle		
Field Sample ID:	F2-TW-1303798- 2023-N N (72 Hour Stagnation)	F2-TW-1304034- 2023-3-N	F2-TW-1304034- 2023-N	220123-F2-IT03 2022-01-23 N	220123-F2-IT02 2022-01-23 N	220123-F2-KT03 2022-01-23 N	220123-F2-AT07 2022-01-23 N	220123-F2-IT06 2022-01-23 N		
Sample Date:	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23	2022-01-23	2022-01-23	2022-01-23		
Sample Type:	N (72 Hour Stagnation)	FD	N	N	N	N	N	N		

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Total Organic Carbon	2	None	None	None	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: DA41160	SDG: C22A047
					--	--	--	--	6.35 J	--
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 810129051	SDG: DA41160
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Mercury	2	0.025	2	2	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 810129051	SDG: DA41160
					--	--	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Copper	1300	2.9	1300	1300	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 810129051	SDG: DA41160
					26.5	8.70	13.2	41.8	90.0	32.5
Lead	15	5.6	15	15	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Bis(2-ethylhexyl)phthalate	6	3	6	6	SDG: DA41309	SDG: DA41271	SDG: DA41271	SDG: DA41160	SDG: 810129051	SDG: DA41160
					--	--	--	--	--	--

Zone F2 ISP or MCL Exceedance Report

Location ID:

Location Type

Residence:

3148 Morell Circle	3301 Morell Drive	741 Murray Drive	790 Murray Drive	798 Murray Drive	845 Murray Drive	846 Murray Drive
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Field Sample ID:	220123-F2-JT02	220123-F2-JT05	F2-TW-2212505-	F2-TW-145069-22023-	F2-TW-145069-22023-	F2-TW-2201013-

Sample Date:	2022-01-23	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-25

Sample Type:

N N N FD N N N

GENCHEM (mg/L)									
Incident Specific Parameters	DOH Environmental Protection Agency Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: 810130371	SDG: C22A051 rev2	SDG: 810130371
2	None	None	--	--	4.51	5.84	4.77	--	6.10
Total Organic Carbon									
DOH Environmental Protection Agency Table D-1A Groundwater Action Levels									
Incident Specific Parameters	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371
200	500	None	--	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)									
211	Total Petroleum Hydrocarbons								
DOH Environmental Protection Agency Table D-1A Groundwater Action Levels									
Incident Specific Parameters	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371
2	0.025	2	2	--	--	--	0.0880 J	--	--
Mercury									
DOH Environmental Protection Agency Table D-1A Groundwater Action Levels									
Incident Specific Parameters	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371
1300	2.9	1300	1300	94.0	81.8	12.2	4.20	10.3	7.70
Copper									
15	5.6	15	15	--	--	--	--	--	--
Lead									
DOH Environmental Protection Agency Table D-1A Groundwater Action Levels									
Incident Specific Parameters	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371
6	3	6	6	--	--	--	--	--	--
SVOC (µg/L)									
DOH Environmental Protection Agency Table D-1A Groundwater Action Levels									
Incident Specific Parameters	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA41160	SDG: DA41309	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371	SDG: 35692731	SDG: 810130371
6	3	6	6	--	--	--	--	--	--
Di(2-ethylhexyl)phthalate									

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-MURR0863 F2-MURR0863 F2-MURR0872 F2-MURR0874 F2-MURR0888 F2-MURR0958 F2-MURR0966 F2-NOON4018
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 863 Murray Drive 863 Murray Drive 872 Murray Drive 874 Murray Drive 888 Murray Drive 958 Murray Drive 966 Murray Drive 4018 Noonan Street

Field Sample ID: F2-TW-143501-22023- F2-TW-143501-22023- 220126F2AT06 F2-TW-549198-22023- F2-TW-22012401- F2-TW-22012402-
3-N N N N N N N N
Sample Date: 2022-01-25 2022-01-25 2022-01-26 2022-01-25 2022-01-24 2022-01-24 2022-01-24 2022-01-24
Sample Type: FD N N N N N N N N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: DA41309	SDG: C22A051 rev2	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: C22A049 rev1
Total Organic Carbon	2	None	None	None	5.52	4.74	--	4.98	--	--	--	5.91
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692973	SDG: C22A051 rev2	SDG: DA41309	SDG: 35692973	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: 5801096101
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--	460
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--	460
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692973	SDG: C22A051 rev2	SDG: DA41309	SDG: 35692973	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: 35692837
Mercury	2	0.025	2	2	--	--	--	--	0.0580 J	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692973	SDG: C22A051 rev2	SDG: DA41309	SDG: 35692973	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: 35692837
Copper	1300	2.9	1300	1300	3.00	--	11.4	7.80	8.50	4.60	3.00	15.7
Lead	15	5.6	15	15	--	--	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692973	SDG: C22A051 rev2	SDG: DA41309	SDG: 35692973	SDG: 810130371	SDG: DA41271	SDG: DA41271	SDG: 35692837
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--	--	--

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:	F2-NOON4061	F2-NYEC1676	F2-NYEC1676	F2-NYEC1722	F2-NYEP1932	F2-OCAL1920	F2-PETE3224	F2-PETE3226		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
	4061 Noonan Street	1676 Nye Circle	1676 Nye Circle	1722 Nye Circle	1932 Nye Place	1920 O'Callahan Street	3224 Peterson Court	3226 Peterson Court		
Field Sample ID:										
Sample Date:	F2-TW-1303666-22023-N	F2-TW-2212507-22023-3-N	F2-TW-2212507-22023-N	F2-TW-2212508-22023-N	F2-TW-1303642-22023-N	F2-TW-2201017-22023-N	220123-F2-AT06	220123-F2-LT06		
Sample Type:	2022-01-24	2022-01-25	2022-01-25	2022-01-25	2022-01-24	2022-01-24	2022-01-23	2022-01-23		
	N	FD	N	N	N	N	N	N		

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22a049 rev1	SDG: C22A051 rev2	SDG: C22A051 rev2	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: C22A047	SDG: DA41160
Total Organic Carbon	2	None	None	None	7.28	3.99	4.52	--	--	--	5.10 J	--
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731	SDG: 35692731	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: 810129061	SDG: DA41160
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731	SDG: 35692731	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: 810129061	SDG: DA41160
Mercury	2	0.025	2	2	0.110 J	--	--	--	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731	SDG: 35692731	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: 810129061	SDG: DA41160
Copper	1300	2.9	1300	1300	17.1	59.1	63.8	71.0	43.0	3.30	43.0	31.7
Lead	15	5.6	15	15	--	--	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692837	SDG: 35692731	SDG: 35692731	SDG: 810131351	SDG: 810131351	SDG: 810130371	SDG: 810129061	SDG: DA41160
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--	--	--

Drinking Water Sampling, JBPHH, Oahu Hawaii

Residence:

Sample Type:

JBP.H.ChemCrossTab_Allimits
March 04, 2022

Drinking Water Sampling, JBPHH, Oahu Hawaii

Residence:

Sample Type:

[illegible]

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-SIBL0722 F2-SNYD3166 F2-SNYD3166 F2-SNYD3166 F2-STOW2583 F2-STOW2607 F2-STOW2608 F2-STOW2643 F2-STOW2708
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 722 Sibley Street 3166 Snyder Court 3166 Snyder Court 3166 Snyder Court 2583 Stowell Circle 2607 Stowell Circle 2608 Stowell Circle 2643 Stowell Circle 2708 Stowell Circle

Field Sample ID: F2-TW-1304341- F2-TW-1304341- F2-TW-1304341- F2-TW-1304341- F2-TW-548053-22023- F2-TW-548057-22023- F2-TW-1304262- F2-TW-549193-22023- F2-TW-2201019-
Sample Date: 2022-01-25 2022-01-23 2022-01-25 2022-01-25 2022-01-25 2022-01-24 2022-01-25 2022-01-24 2022-01-24
Sample Type: N N N N N N N N N (72 Hour Stagnation) N N N N N N N N N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Total Organic Carbon	2	None	None	None	810131351	DA41309	DA41309	DA41309	810130371	810130371
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	810131351	DA41309	DA41309	DA41309	810130371	810130371
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Mercury	2	0.025	2	2	810131351	DA41309	DA41309	DA41309	810130371	810130371
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Copper	1300	2.9	1300	1300	11.0	25.1	37.0	3.90	8.00	3.70
Lead	15	5.6	15	15	--	--	--	--	--	--
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--

Zone F2 ISP or MCL Exceedance Report
F2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:

Location Type:

Residence:

Field Sample ID:

Sample Date:

Sample Type:

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Groundwater Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810130371	SDG:	810130371	SDG:	C22A051 rev2	SDG:	810131351	SDG:	C22A047	SDG:	DA41160
Total Organic Carbon	2	None	None	None	SDG:	810130371	--	--	--	5.33	--	--	11.1 J	--	--	--
HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Groundwater Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810130371	SDG:	810130371	SDG:	810130371	SDG:	810131351	SDG:	810128421	SDG:	DA41160
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	SDG:	810130371	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--	--	--	--	--	--
HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Groundwater Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810130371	SDG:	810130371	SDG:	810130371	SDG:	810131351	SDG:	810128421	SDG:	DA41160
Mercury	2	0.025	2	2	SDG:	810130371	--	--	--	--	--	0.0580 J	--	--	--	--
METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Groundwater Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810130371	SDG:	810130371	SDG:	810130371	SDG:	810131351	SDG:	810128421	SDG:	DA41160
Copper	1300	2.9	1300	1300	SDG:	810130371	4.30	6.40	SDG:	810130371	7.30	88.0	SDG:	810128421	78.0	95.6
Lead	15	5.6	15	15	--	--	--	--	--	--	--	--	--	--	--	12.7
SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Groundwater Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810130371	SDG:	810130371	SDG:	810130371	SDG:	810131351	SDG:	810128421	SDG:	DA41160
Bis(2-ethylhexyl)phthalate	6	3	6	6	--	--	--	--	--	--	--	--	--	--	--	--

Residence:

Sample Type:

GENCHEM (mg/L)		Incident Specific Parameters	Action Levels	Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: C22A047	SDG: DA41160
Total Organic Carbon		2	None	None	None	--	--	6.23 J	--
HC (µg/L)		Incident Specific Parameters	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Petroleum Hydrocarbons (as Motor Oil)		200	500	None	None	--	--	--	--
Total Petroleum Hydrocarbons		211				--	--	--	--
HG (µg/L)		Incident Specific Parameters	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Mercury		2	0.025	2	2	--	--	--	--
METAL (µg/L)		Incident Specific Parameters	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Copper		1300	2.9	1300	1300	48.1	138	45.0	26.4
Lead		15	5.6	15	15	--	--	--	--
SVOC (µg/L)		Incident Specific Parameters	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 35692277	SDG: DA41271	SDG: 810129051	SDG: DA41160
Bis(2-ethylhexyl)phthalate		6	3	6	6	--	--	--	--

Zone F2 TPH Exceedance Map Area and Resampling Locations

Figure 1: Zone F2 TPH Exceedance Map Area

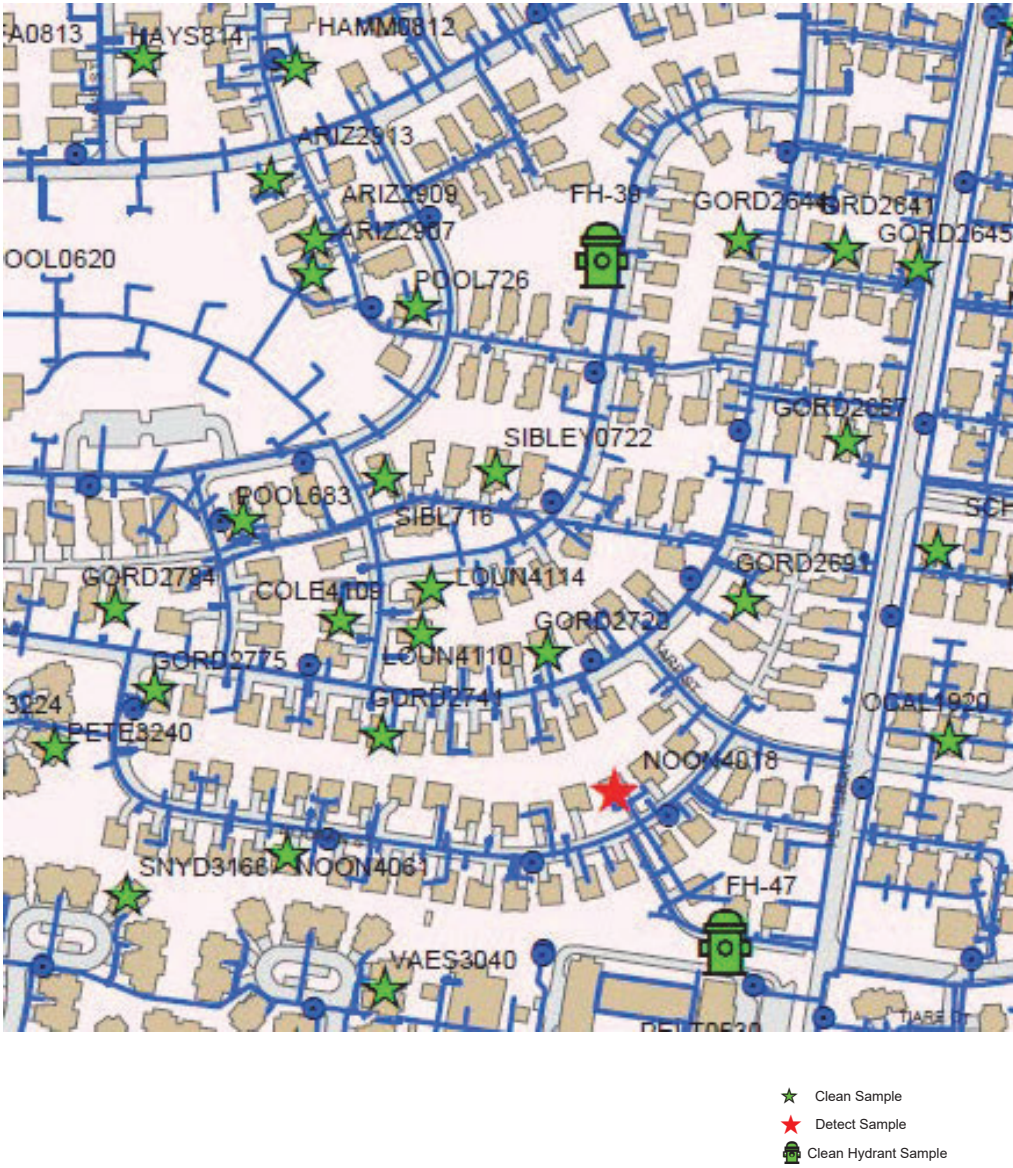


Figure 2: Zone F2 TPH Resampling Locations



Zone D2 ISP or MCL Exceedance Resample Report
F2 Zone Residential DW and Distribution Resampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:

Location Type:

Residence:

Field Sample ID:

Sample Date:

Sample Type:

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	F2-BLDG3349				F2-BLDG7751				F2-NOON4009				F2-NOON4018				F2-NOON4036			
					SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	--	--	--	--	--	--	--	--	58.5 J	52.0 U	53.8 J	40.0 U	52.0 U	40.0 U	40.0 U	52.0 U	62.8 J	40.0 U	40.0 U	62.8 J
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	--	--	--	--	--	--	--	--	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--	--	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U	52.0 U
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--	--	58.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	F2-BLDG3349				F2-BLDG7751				F2-NOON4009				F2-NOON4018				F2-NOON4036			
					SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359	SDG: DA42358	SDG: DA42359
1-Methylnaphthalene	10	10	None	None	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	10	10	None	None	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.2	0.06	0.2	0.2	0.00960 U	0.00960 U	0.00960 U	0.00960 U	0.00960 U	0.00960 U	0.00960 U	0.00960 U	--	--	--	--	--	--	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	6	3	6	6	0.380 U	0.380 U	0.380 U	0.380 U	0.380 U	0.380 U	0.380 U	0.380 U	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	17	17	None	None	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	0.240 U	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

– Indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP

Results in purple font also exceed the EALs

Results in green font also exceed the DOH MCL

Results in blue font also exceed the EPA MCL

Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

µg/L = Micrograms per Liter

Zone D2 ISP or MCL Exceedance Resample Report
F2 Zone Residential DW and Distribution Resampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: F2-TAPP2819
Location Type: Residence
Residence: 2819 Tapp Street

Field Sample ID: F2-TW-1303355-
2205SN
Sample Date: 2022-02-25
Sample Type: N

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42358
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	57.9 J
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	52.0 UU
Total Petroleum Hydrocarbons	211				57.9

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42358
1-Methylnaphthalene	10	10	None	None	--
2-Methylnaphthalene	10	10	None	None	--
Benzo(a)pyrene	0.2	0.06	0.2	0.2	--
Bis(2-ethylhexyl)phthalate	6	3	6	6	--
Naphthalene	17	17	None	None	--

Location Name	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	C8-C44	50			ug/L	Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
010722-20-01	1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	C8-C44	44	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Zimmerman Pl	Peltier Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	C8-C44	45	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Sibley	Gordon St	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	C8-C44	48	J	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Yes (Sheen in first bucket)	Not Noted
011622-20-01	1/16/2022	011622-20-01	Koala Ct	Nye Cir	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	C8-C44	49	J	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Hailey Ct	Vaessen Ct	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	Not Noted	Not Noted
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Lp	TPH-g	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Lp	C8-C44	42	J	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Lp	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Lp	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
011622-20-01	1/16/2022	011622-20-01	Murray Dr	Kirkpatrick Lp	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	F2	Distribution	No	no
012522-27-01	1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-01	1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-02	1/25/2022	012522-27-02	Shields Street	Dewert Ln	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-02	1/25/2022	012522-27-02	Shields Street	Dewert Ln	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-03	1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-03	1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-27-03	1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-01	1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-02	1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-03	1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-06-04	1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	C9-C40	59			ug/L	Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diesel Range Organic C9-C25	ND	U	U	ug/L	Not Detected	F2	Residential	No	No
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Oil Range Organic C24-C40	ND	U	U	ug/L	Not Detected	F2	Residential	No	No

DOH TPH-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Location Name	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor
012522-20-02	1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	TPH-g	ND	U	U	ug/L	Not Detected	F2	Residential	No	No

Exceeds the ISP

Bold= Detected



Petroleum Hydrocarbons in Water: Health Effects



What happens if I swallow water with petroleum?

Drinking water containing petroleum hydrocarbons can cause an upset stomach, stomach cramping, nausea, vomiting, and diarrhea. Your throat and mouth may also get irritated.



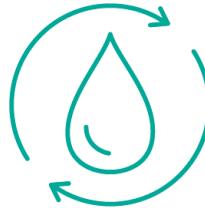
What happens if water with petroleum gets on my skin?

Petroleum hydrocarbons can irritate the skin (dermal exposure). Continuous exposure can cause itchy rash with red and peeling skin. After skin contact, always wash with soap and clean water.



What happens if I breathe air that smells like petroleum?

Breathing petroleum vapors (also called inhalational exposure) can cause headaches, dizziness, tiredness and respiratory problems like cough and difficulty breathing. Nosebleeds are possible.



How can this affect my future health?

Evaluation of the possibility of long-term health effects is ongoing. Based on current information, people exposed to contaminated drinking water from the Joint Base Pearl Harbor-Hickam Drinking Water System in this incident are not expected to experience long-term health effects.

What should I do if I have symptoms after exposure to contaminated water?

- If there is a strong petroleum smell, **leave the area and get fresh air.**
- If you develop respiratory problems or other severe symptoms, **seek urgent medical evaluation.**
- **Contact your primary care doctor** for an appointment.
- **Avoid exposure to the water.** Do not drink or use the water for cooking or brushing teeth. Do not bathe in the water. If skin contact, always wash with soap and clean water
- **Call the Hawaii Poison Center (800) 222-1222 for questions.**



- **Primary Care Doctor**
- **Hawaii Poison Center (800) 222-1222**

For more information, visit health.hawaii.gov/NavyWater

February 20, 2022

NAVFAC Hawaii
400 Marshall Road
JBPHH HI 96860-3139

**Subject: Red Hill Bulk Fuel Storage Facility
Bis(2-ethylhexyl)phthalate Exceedance Results**

Attention Engineering Working Group:

The table below summarizes the bis(2-ethylhexyl) phthalate (B2EHP) exceedance results with respect to the Incident-Specific Parameter concentrations for this analyte in multiple samples. Mass spectral and chromatographic data were reviewed to determine if the detections were supported by the raw data. All the detections appear to meet qualitative and quantitative method criteria.

SDG	Laboratory Sample ID	Field Sample ID	Zone	Address	Date Collected	Date Extracted	Date Analyzed	Sample B2EHP Result	MB B2EHP Result	Units
DA41377	DA41377-4	220129B1AT03	B1	Trip Blank	1/29/2022	02/01/22	02/02/22	13.2	17.3	ug/L
DA41377R	DA41377-5R	220129B1AT04	B1	2855 B Kaee Loop	1/29/2022	02/01/22	02/02/22	42.4	17.3	ug/L
DA41416R	DA41416-2R	220131C3ET01	C3	690 Cushing St.	1/31/2022	02/04/22	02/04/22	26.4	11.7	ug/L
DA41509R	DA41509-7R	220202D4DT01	D4	625 Mamala Bay Dr	2/2/2022	02/05/22	02/07/22	3	0.60 U	ug/L
DA41509R	DA41509-2R	220202D4DT03	D4	386 Mamala Bay Dr	2/2/2022	02/05/22	02/07/22	4.2	0.60 U	ug/L
DA41509	DA41509-6	220202D4AT07	D4	Trip Blank	2/2/2022	02/04/22	02/05/22	21.6	11.7	ug/L
DA41510	DA41510-4	220202H1FT05	H1	Trip Blank	2/2/2022	02/04/22	02/05/22	28.9	0.64 J	ug/L
DA41395R	DA41395-2R	220129F2CT03	F2	3349 Catlin Drive	01/29/22	02/04/22	02/04/22	23.8	11.7	ug/L
DA41395R	DA41395-5R	220129F2CT01	F2	811 Murray Dr	01/29/22	02/04/22	02/04/22	18.3	11.7	ug/L
DA40816AR	DA40816-38	220111-D1-CT01	D1	1206 Mead Pl	01/11/22	01/17/22	01/18/22	6.3	0.58 J	ug/L

ug/L = micrograms per liter U = the analyte was not detected J = estimated values

B2EHP is a common laboratory contaminant and used as a plasticizer in many plastic materials, including tubing commonly used by laboratories. B2EHP contamination of laboratory extraction equipment and glassware surfaces is a common cause of false positive sample results in semi-volatile methods such as EPA 525.2

The pattern of exceedance results occurs at a single laboratory (SGS-Wheat Ridge) and within a relatively narrow window of time (all laboratory extractions between 02/01/22 and 02/05/22, except for one on 01/17/22). Eight out of ten exceedance results are associated with preparatory batches having B2EHP detections in the method blanks (MB). In six of those eight cases the MB result is more than 40% of the sample result for B2EHP.

Although three of the ten exceedance results are from Trip Blanks, many of the associated field samples collected and shipped together did not contain detectable B2EHP, indicating that the field sampling procedures or containers themselves are an unlikely source of the contamination.

An investigation of the SGS-Wheat Ridge 525.2 QC results for all Red Hill samples confirmed that 23% of the MB records in EDMS contained reported concentrations of B2EHP ranging from 0.58 to 17.3 ug/L. Many of the associated matrix spikes in these batches exceeded control limits for B2EHP by up to 800% indicating sporadic cases of B2EHP contamination in all QC samples.

During a review of the laboratory raw data it was noted that all of the highest concentration B2EHP detections are associated with bis (2-ethylhexyl) adipate (B2EHA) detections at concentrations ~ 3% of the B2EHP. B2EHA is another common plasticizer and sometimes used as a replacement for phthalates such as B2EHP. The pattern of B2EHP + B2EHA association in samples from very different field locations is another indicator that the contamination has a common source and is from inside the laboratory, not from the drinking water samples.

The overall pattern of erratic detections in in a single laboratory over a narrow window of time indicates that intermittent laboratory contamination explains all of the reported B2EHP exceedances in the table above, including those results where the associated method blank appeared to be clean or the MB is < 10X the sample result.

The weight of evidence suggests are all the exceedance results are false positives attributable to laboratory contamination, and therefore no further action is warranted at this time.

Questions regarding this letter should be addressed to the DW Task
Manager, Reid Campbell.

Yours sincerely,



Robert Kennedy
AVP, Senior Project Chemist
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Robin Cababa
CLEAN Program Manager
robin.cababa@aecom.com

c: Reid Campbell, AECOM Task Manager
Ken Vinson, AECOM Senior VP Program Manager
Jim Refermat, AECOM Senior Program Chemist
Contracting Officer
Victor Gonzalez, NAVFAC



Corrective Action Summary Form

Date: 3/7/2022 12:02:58 PM Tracking No: AMSOP_372022_640

CA Title: Phthalate Contamination in 525 Analysis

Department: Organic Prep Originator: Jason Savoie

Responsible Party: Jason Savoie Date Completed: 3/7/2022

Description:

B2EHP is a common laboratory contaminant and used as a plasticizer in many plastic materials, including tubing commonly used by laboratories. B2EHP contamination of laboratory extraction equipment and glassware surfaces is a common cause of false positive sample results in semi-volatile methods such as EPA 525.2

The pattern of exceedance results occurs at a single laboratory (SGS-Wheat Ridge) and within a relatively narrow window of time (all laboratory extractions between 02/01/22 and 02/05/22, except for one on 01/17/22). Eight out of ten exceedance results are associated with preparatory batches having B2EHP detections in the method blanks (MB). In six of those eight cases the MB result is more than 40% of the sample result for B2EHP.

Although three of the ten exceedance results are from Trip Blanks, many of the associated field samples collected and shipped together did not contain detectable B2EHP, indicating that the field sampling procedures or containers themselves are an unlikely source of the contamination.

An investigation of the SGS-Wheat Ridge 525.2 QC results for all Red Hill samples confirmed that 23% of the MB records in EDMS contained reported concentrations of B2EHP ranging from 0.58 to 17.3 ug/L. Many of the associated matrix spikes in these batches exceeded control limits for B2EHP by up to 800% indicating sporadic cases of B2EHP contamination in all QC samples.

During a review of the laboratory raw data it was noted that all of the highest concentration B2EHP detections are associated with bis (2-ethylhexyl) adipate (B2EHA) detections at concentrations ~ 3% of the B2EHP. B2EHA is another common plasticizer and sometimes used as a replacement for phthalates such as B2EHP. The pattern of B2EHP + B2EHA association in samples from very different field locations is another indicator that the contamination has a common source and is from inside the laboratory, not from the drinking water samples.

The overall pattern of erratic detections in a single laboratory over a narrow window of time indicates that intermittent laboratory contamination explains all of the reported B2EHP exceedances, including those results where the associated method blank appeared to be clean or the MB is < 10X the sample result.

The weight of evidence suggests all the exceedance results are false positives attributable to laboratory contamination.

Root Cause:

The laboratory has done some investigating but has been unable to identify the source of the contaminant. Due to the random nature of the occurrence throughout the analysis we do not suspect a contaminated solvent, surrogate, or other reagent which were all confirmed by screening on the GCMS but expect some sort of surface contact with the contaminant.

Immediate Fix:

Hold on 525 Analysis and Investigation – The laboratory immediately put a temporary hold on the analysis for 525 when identifying that the B2EHP contamination was a problem. All solvents, surrogates, and reagents used for analysis were screened by GCMS. The laboratory also screened our SPE cartridges prior to our conditioning procedure and although B2EHP was detected, results were within acceptable levels for analysis. The nitrile gloves as well as pipette bulbs were allowed to come in brief contact with solvent and analyzed by GCMS which also were within acceptable levels. After confirming that solvent and reagents were acceptable for analysis, the laboratory performed extraction and analysis on six method blanks before continuing with the 525 analysis. All six method blanks were less than the MDL for B2EHP. None of the laboratory screens pointed to a definitive source for the B2EHP contamination.

Corrective Action:

Corrective Action Summary Form

Date: 3/7/2022 12:02:58 PM Tracking No: AMSOP_372022_640

CA Title: Phthalate Contamination in 525 Analysis

Department: Organic Prep Originator: Jason Savoie

Responsible Party: Jason Savoie Date Completed: 3/7/2022

Retraining of Staff – Although the B2EHP contamination has been sporadic, there was a period in late January into early February where the contamination began to show more frequently than previously observed. During this period the laboratory had brought on additional staffing to support the ongoing project and individual technique or lack of awareness to phthalates may have contributed to the increase in contamination. The phthalate contamination was communicated to staff performing analysis and contact with all plastic and rubber materials were minimized and/or eliminated where possible.

Glass Bottle Top Dispensers – All solvents were moved to enclosed glass bottle top dispensers that are compatible with the solvents they contain. Solvents from these bottles are routinely screened by GCMS to confirm that they are suitable for the 525 analysis.

Glass Luer Lock Syringes – The laboratory is taking measures to minimize the use of rubber transfer pipette bulbs as the sample can come in contact with the inside of the bulb if not handled correctly. Glass luer lock syringes will be substituted as a means to retrieving the sample from the concentration vessel and bringing to a 1ml final volume.

Bottle Custody Seals – The laboratory observed that the adhesive from the custody seals on the sample bottle leaves behind a residue when removed. During the analysis the bottle is inverted into a collection funnel and this portion of the bottle can come in contact with the sample. The laboratory does have a procedure to remove the residue from the bottle prior to transferring to the collection funnel but has taken greater measures to remove the residue and clean the surface of the bottle prior to analysis. Although the lab has not confirmed the adhesive from the labels as a source of the phthalate contamination we have requested that future bottles be prepared without the custody seal.

Confirmation Analysis – Client samples with results greater than the project screening limits have been re-extracted for confirmation despite acceptable QC.
















Comments:

Although the laboratory has been unable to identify a single source for the B2EHP contamination we continue to monitor this analyte in our laboratory QC as well as client samples. Since the above corrective actions were put in place the laboratory has observed a significant decrease in the occurrence of B2EHP at or greater than the RL in the 525 analysis.

Followup:

National Primary Drinking Water Regulations



Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Acrylamide	TT ⁴	Nervous system or blood problems; increased risk of cancer	Added to water during sewage/wastewater treatment	zero
 Alachlor	0.002	Eye, liver, kidney, or spleen problems; anemia; increased risk of cancer	Runoff from herbicide used on row crops	zero
 Alpha/photon emitters	15 picocuries per Liter (pCi/L)	Increased risk of cancer	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation	zero
 Antimony	0.006	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	0.006
 Arsenic	0.010	Skin damage or problems with circulatory systems, and may have increased risk of getting cancer	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production wastes	0
 Asbestos (fibers >10 micrometers)	7 million fibers per Liter (MFL)	Increased risk of developing benign intestinal polyps	Decay of asbestos cement in water mains; erosion of natural deposits	7 MFL
 Atrazine	0.003	Cardiovascular system or reproductive problems	Runoff from herbicide used on row crops	0.003
 Barium	2	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	2
 Benzene	0.005	Anemia; decrease in blood platelets; increased risk of cancer	Discharge from factories; leaching from gas storage tanks and landfills	zero
 Benzo(a)pyrene (PAHs)	0.0002	Reproductive difficulties; increased risk of cancer	Leaching from linings of water storage tanks and distribution lines	zero
 Beryllium	0.004	Intestinal lesions	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries	0.004
 Beta photon emitters	4 millirems per year	Increased risk of cancer	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation	zero
 Bromate	0.010	Increased risk of cancer	Byproduct of drinking water disinfection	zero
 Cadmium	0.005	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints	0.005
 Carbofuran	0.04	Problems with blood, nervous system, or reproductive system	Leaching of soil fumigant used on rice and alfalfa	0.04

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Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Carbon tetrachloride	0.005	Liver problems; increased risk of cancer	Discharge from chemical plants and other industrial activities	zero
 Chloramines (as Cl ₂)	MRDL=4.0 ¹	Eye/nose irritation; stomach discomfort; anemia	Water additive used to control microbes	MRDLG=4¹
 Chlordane	0.002	Liver or nervous system problems; increased risk of cancer	Residue of banned termiticide	zero
 Chlorine (as Cl ₂)	MRDL=4.0 ¹	Eye/nose irritation; stomach discomfort	Water additive used to control microbes	MRDLG=4¹
 Chlorine dioxide (as ClO ₂)	MRDL=0.8 ¹	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Water additive used to control microbes	MRDLG=0.8¹
 Chlorite	1.0	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Byproduct of drinking water disinfection	0.8
 Chlorobenzene	0.1	Liver or kidney problems	Discharge from chemical and agricultural chemical factories	0.1
 Chromium (total)	0.1	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits	0.1
 Copper	TT ⁵ ; Action Level=1.3	Short-term exposure: Gastrointestinal distress. Long-term exposure: Liver or kidney damage. People with Wilson's Disease should consult their personal doctor if the amount of copper in their water exceeds the action level	Corrosion of household plumbing systems; erosion of natural deposits	1.3
 <i>Cryptosporidium</i>	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Cyanide (as free cyanide)	0.2	Nerve damage or thyroid problems	Discharge from steel/metal factories; discharge from plastic and fertilizer factories	0.2
 2,4-D	0.07	Kidney, liver, or adrenal gland problems	Runoff from herbicide used on row crops	0.07
 Dalapon	0.2	Minor kidney changes	Runoff from herbicide used on rights of way	0.2
 1,2-Dibromo-3-chloropropane (DBCP)	0.0002	Reproductive difficulties; increased risk of cancer	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	zero
 o-Dichlorobenzene	0.6	Liver, kidney, or circulatory system problems	Discharge from industrial chemical factories	0.6
 p-Dichlorobenzene	0.075	Anemia; liver, kidney, or spleen damage; changes in blood	Discharge from industrial chemical factories	0.075
 1,2-Dichloroethane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	zero

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RADIONUCLIDES

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 1,1-Dichloroethylene	0.007	Liver problems	Discharge from industrial chemical factories	0.007
 cis-1,2-Dichloroethylene	0.07	Liver problems	Discharge from industrial chemical factories	0.07
 trans-1,2-Dichloroethylene	0.1	Liver problems	Discharge from industrial chemical factories	0.1
 Dichloromethane	0.005	Liver problems; increased risk of cancer	Discharge from industrial chemical factories	zero
 1,2-Dichloropropane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	zero
 Di(2-ethylhexyl) adipate	0.4	Weight loss, liver problems, or possible reproductive difficulties	Discharge from chemical factories	0.4
 Di(2-ethylhexyl) phthalate	0.006	Reproductive difficulties; liver problems; increased risk of cancer	Discharge from rubber and chemical factories	zero
 Dinoseb	0.007	Reproductive difficulties	Runoff from herbicide used on soybeans and vegetables	0.007
 Dioxin (2,3,7,8-TCDD)	0.00000003	Reproductive difficulties; increased risk of cancer	Emissions from waste incineration and other combustion; discharge from chemical factories	zero
 Diquat	0.02	Cataracts	Runoff from herbicide use	0.02
 Endothall	0.1	Stomach and intestinal problems	Runoff from herbicide use	0.1
 Endrin	0.002	Liver problems	Residue of banned insecticide	0.002
 Epichlorohydrin	TT ⁴	Increased cancer risk; stomach problems	Discharge from industrial chemical factories; an impurity of some water treatment chemicals	zero
 Ethylbenzene	0.7	Liver or kidney problems	Discharge from petroleum refineries	0.7
 Ethylene dibromide	0.00005	Problems with liver, stomach, reproductive system, or kidneys; increased risk of cancer	Discharge from petroleum refineries	zero
 Fecal coliform and <i>E. coli</i>	MCL ⁶	Fecal coliforms and <i>E. coli</i> are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes may cause short term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.	Human and animal fecal waste	zero⁶

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RADIONUCLIDES

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Fluoride	4.0	Bone disease (pain and tenderness of the bones); children may get mottled teeth	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories	4.0
 <i>Giardia lamblia</i>	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Glyphosate	0.7	Kidney problems; reproductive difficulties	Runoff from herbicide use	0.7
 Haloacetic acids (HAA5)	0.060	Increased risk of cancer	Byproduct of drinking water disinfection	n/a⁹
 Heptachlor	0.0004	Liver damage; increased risk of cancer	Residue of banned termiticide	zero
 Heptachlor epoxide	0.0002	Liver damage; increased risk of cancer	Breakdown of heptachlor	zero
 Heterotrophic plate count (HPC)	TT ⁷	HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.	HPC measures a range of bacteria that are naturally present in the environment	n/a
 Hexachlorobenzene	0.001	Liver or kidney problems; reproductive difficulties; increased risk of cancer	Discharge from metal refineries and agricultural chemical factories	zero
 Hexachloro-cyclopentadiene	0.05	Kidney or stomach problems	Discharge from chemical factories	0.05
 Lead	TT ⁵ ; Action Level=0.015	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities; Adults: Kidney problems; high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits	zero
 <i>Legionella</i>	TT ⁷	Legionnaire's Disease, a type of pneumonia	Found naturally in water; multiplies in heating systems	zero
 Lindane	0.0002	Liver or kidney problems	Runoff/leaching from insecticide used on cattle, lumber, and gardens	0.0002
 Mercury (inorganic)	0.002	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands	0.002
 Methoxychlor	0.04	Reproductive difficulties	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, and livestock	0.04
 Nitrate (measured as Nitrogen)	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	10

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Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Nitrite (measured as Nitrogen)	1	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	1
 Oxamyl (Vydate)	0.2	Slight nervous system effects	Runoff/leaching from insecticide used on apples, potatoes, and tomatoes	0.2
 Pentachlorophenol	0.001	Liver or kidney problems; increased cancer risk	Discharge from wood-preserving factories	zero
 Picloram	0.5	Liver problems	Herbicide runoff	0.5
 Polychlorinated biphenyls (PCBs)	0.0005	Skin changes; thymus gland problems; immune deficiencies; reproductive or nervous system difficulties; increased risk of cancer	Runoff from landfills; discharge of waste chemicals	zero
 Radium 226 and Radium 228 (combined)	5 pCi/L	Increased risk of cancer	Erosion of natural deposits	zero
 Selenium	0.05	Hair or fingernail loss; numbness in fingers or toes; circulatory problems	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines	0.05
 Simazine	0.004	Problems with blood	Herbicide runoff	0.004
 Styrene	0.1	Liver, kidney, or circulatory system problems	Discharge from rubber and plastic factories; leaching from landfills	0.1
 Tetrachloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from factories and dry cleaners	zero
 Thallium	0.002	Hair loss; changes in blood; kidney, intestine, or liver problems	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories	0.0005
 Toluene	1	Nervous system, kidney, or liver problems	Discharge from petroleum factories	1
 Total Coliforms	5.0 percent ⁸	Coliforms are bacteria that indicate that other, potentially harmful bacteria may be present. See fecal coliforms and <i>E. coli</i>	Naturally present in the environment	zero
 Total Trihalomethanes (TTHMs)	0.080	Liver, kidney, or central nervous system problems; increased risk of cancer	Byproduct of drinking water disinfection	n/a⁹
 Toxaphene	0.003	Kidney, liver, or thyroid problems; increased risk of cancer	Runoff/leaching from insecticide used on cotton and cattle	zero
 2,4,5-TP (Silvex)	0.05	Liver problems	Residue of banned herbicide	0.05
 1,2,4- Trichlorobenzene	0.07	Changes in adrenal glands	Discharge from textile finishing factories	0.07

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Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 1,1,1-Trichloroethane	0.2	Liver, nervous system, or circulatory problems	Discharge from metal degreasing sites and other factories	0.2
 1,1,2-Trichloroethane	0.005	Liver, kidney, or immune system problems	Discharge from industrial chemical factories	0.003
 Trichloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from metal degreasing sites and other factories	zero
 Turbidity	TT ⁷	Turbidity is a measure of the cloudiness of water. It is used to indicate water quality and filtration effectiveness (e.g., whether disease-causing organisms are present). Higher turbidity levels are often associated with higher levels of disease-causing microorganisms such as viruses, parasites, and some bacteria. These organisms can cause short term symptoms such as nausea, cramps, diarrhea, and associated headaches.	Soil runoff	n/a
 Uranium	30µg/L	Increased risk of cancer, kidney toxicity	Erosion of natural deposits	zero
 Vinyl chloride	0.002	Increased risk of cancer	Leaching from PVC pipes; discharge from plastic factories	zero
 Viruses (enteric)	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Xylenes (total)	10	Nervous system damage	Discharge from petroleum factories; discharge from chemical factories	10
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NOTES

1 Definitions

- Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
- Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
- Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

2 Units are in milligrams per liter (mg/L) unless otherwise noted. Milligrams per liter are equivalent to parts per million (ppm).

3 Health effects are from long-term exposure unless specified as short-term exposure.

4 Each water system must certify annually, in writing, to the state (using third-party or manufacturers certification) that when it uses acrylamide and/or epichlorohydrin to treat water, the combination (or product) of dose and monomer level does not exceed the levels specified, as follows: Acrylamide = 0.05 percent dosed at 1 mg/L (or equivalent); Epichlorohydrin = 0.01 percent dosed at 20 mg/L (or equivalent).

5 Lead and copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of their water. If more than 10 percent of tap water samples exceed the action level, water systems must take additional steps. For copper, the action level is 1.3 mg/L, and for lead is 0.015 mg/L.

6 A routine sample that is fecal coliform-positive or E. coli-positive triggers repeat samples—if any repeat sample is total coliform-positive, the system has an acute MCL violation. A routine sample that is total coliform-positive and fecal coliform-negative or E. coli-negative triggers repeat samples—if any repeat sample is fecal coliform-positive or E. coli-positive, the system has an acute MCL violation. See also Total Coliforms.

7 EPA's surface water treatment rules require systems using surface water or ground water under the direct influence of surface water to (1) disinfect their water, and (2) filter their water or meet criteria for avoiding filtration so that the following contaminants are controlled at the following levels:

- Cryptosporidium:** 99 percent removal for systems that filter. Unfiltered systems are required to include Cryptosporidium in their existing watershed control provisions.

- Giardia lamblia:** 99.9 percent removal/inactivation
- Viruses:** 99.9 percent removal/inactivation
- Legionella:** No limit, but EPA believes that if *Giardia* and viruses are removed/inactivated, according to the treatment techniques in the surface water treatment rule, *Legionella* will also be controlled.
- Turbidity:** For systems that use conventional or direct filtration, at no time can turbidity (cloudiness of water) go higher than 1 nephelometric turbidity unit (NTU), and samples for turbidity must be less than or equal to 0.3 NTU in at least 95 percent of the samples in any month. Systems that use filtration other than the conventional or direct filtration must follow state limits, which must include turbidity at no time exceeding 5 NTU.
- HPC:** No more than 500 bacterial colonies per milliliter
- Long Term 1 Enhanced Surface Water Treatment:** Surface water systems or ground water systems under the direct influence of surface water serving fewer than 10,000 people must comply with the applicable Long Term 1 Enhanced Surface Water Treatment Rule provisions (e.g. turbidity standards, individual filter monitoring, *Cryptosporidium* removal requirements, updated watershed control requirements for unfiltered systems).
- Long Term 2 Enhanced Surface Water Treatment:** This rule applies to all surface water systems or ground water systems under the direct influence of surface water. The rule targets additional *Cryptosporidium* treatment requirements for higher risk systems and includes provisions to reduce risks from uncovered finished water storages facilities and to ensure that the systems maintain microbial protection as they take steps to reduce the formation of disinfection byproducts. (Monitoring start dates are staggered by system size. The largest systems (serving at least 100,000 people) will begin monitoring in October 2006 and the smallest systems (serving fewer than 10,000 people) will not begin monitoring until October 2008. After completing monitoring and determining their treatment bin, systems generally have three years to comply with any additional treatment requirements.)
- Filter Backwash Recycling:** The Filter Backwash Recycling Rule requires systems that recycle to return specific recycle flows through all processes of the system's existing conventional or direct filtration system or at an alternate location approved by the state.
- No more than 5.0 percent samples total coliform-positive in a month.** (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli. If two consecutive TC-positive samples, and one is also positive for E. coli or fecal coliforms, system has an acute MCL violation.

9 Although there is no collective MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants:

- Halooacetic acids:** dichloroacetic acid (zero); trichloroacetic acid (0.3 mg/L)
- Trihalomethanes:** bromodichloromethane (zero); bromoform (zero); dibromochloromethane (0.06 mg/L)

NATIONAL SECONDARY DRINKING WATER REGULATION

National Secondary Drinking Water Regulations are non-enforceable guidelines regarding contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to water systems but does not require systems to comply. However, some states may choose to adopt them as enforceable standards.

Contaminant	Secondary Maximum Contaminant Level
Aluminum	0.05 to 0.2 mg/L
Chloride	250 mg/L
Color	15 (color units)
Copper	1.0 mg/L
Corrosivity	Noncorrosive
Fluoride	2.0 mg/L
Foaming Agents	0.5 mg/L
Iron	0.3 mg/L
Manganese	0.05 mg/L
Odor	3 threshold odor number
pH	6.5-8.5
Silver	0.10 mg/L
Sulfate	250 mg/L
Total Dissolved Solids	500 mg/L
Zinc	5 mg/L

FOR MORE INFORMATION ON EPA'S
SAFE DRINKING WATER:



visit: epa.gov/safewater



call: (800) 426-4791

ADDITIONAL INFORMATION:

To order additional posters or other ground water and drinking water publications, please contact the National Service Center for Environmental Publications at: **(800) 490-9198**, or email: nscep@bps-lmit.com.



OFFICE OF GROUND WATER
AND DRINKING WATER

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	1-Methylnaphthalene	ND	U		ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	2-Methylnaphthalene	ND	U		ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
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Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Permethrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/7/2022	010722-20-01	O'Callahan St	Schmitt Pkwy	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	1-Methylnaphthalene	NI			ug/L	Not identified	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
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Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di(2-Ethylhexyl)phthalate	0.73			ug/L	Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Diethylphthalate	0.049	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-04-03	Murray Dr	Kirkpatrick Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Diethylphthalate	0.22	J		ug/L	Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-n-Butylphthalate	7.4			ug/L	Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-01	Zimmerman Pl	Peltier Ave	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-02	Koala Ct	Nye Cir	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Diethylphthalate	0.069	J		ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-n-Butylphthalate	1.5			ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Phenanthrene	0.006	J		ug/L	Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-02	Koala Ct	Nye Cir	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Diethylphthalate	0.099	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-n-Butylphthalate	2.8	U	U	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Phenanthrene	0.019	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-10-03	Hailey Ct	Vaessen Ct	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Alachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Atrazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Bromacil	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-20-01	Sibley	Gordon St	Butachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorobenzilate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Chrysene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dimethoate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endrin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	EPTC	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Fluorene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Isophorone	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Lindane	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Malathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Metribuzin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Molinate	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Distribution

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Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/16/2022	011622-20-01	Sibley	Gordon St	Parathion	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Phenanthrene	0.0080	J	J	ug/L	Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Propachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Pyrene	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Simazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Terbacil	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Distribution
1/16/2022	011622-20-01	Sibley	Gordon St	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Distribution
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-01	Benfold Ln.	Meyerkord Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results

Navy Water System Incident

Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-02	Kilmer Ln.	Meyerkord Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/27/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/27/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerkord Lp	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-03	Kilmer Ln.	Meyerford Lp	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-06-04	Jaluit Ln.	Jaluit St	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di(2-Ethylhexyl)phthalate	ND	U(BW)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Indeno(1,2,3,c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-20-02	Snyder Court	Nimitz Rd	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	MeyerKord Loop	Benfold Ln	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Endrin Aldehyde	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-01	Meyerkord Loop	Benfold Ln	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street		1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street		2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Bromacil	ND	VC,LE,LK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorothalonil(Draconil,Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-02	Shields Street	Dewert Ln	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	1-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	2-Methylnaphthalene	NI			ug/L	Not Identified	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDD	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDE	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	4,4-DDT	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acenaphthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acenaphthylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Acetochlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Alachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Alpha-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Atrazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Beta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Bromacil	ND	VC,LE,IK	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Butachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorobenzilate	ND	U(LK)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chloroneb	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Chrysene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Delta-BHC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di(2-Ethylhexyl)phthalate	ND	U(BM)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Diazinon (Qualitative)	ND	U	UJ	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dieldrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Diethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endrin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	EPTC	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Fluoranthene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Fluorene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Heptachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Isophorone	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Lindane	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Malathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Methoxychlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Metolachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Metribuzin	ND	U(LE)	U	ug/L	Not Detected	F2	Residential

DOH SVOCs-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area F2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Molinate	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Naphthalene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Parathion	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Pendimethalin	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Phenanthrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Propachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Pyrene	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Simazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Terbacil	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Terbutylazine	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	F2	Residential
1/25/2022	012522-27-03	Vaessen Court	Nimitz Rd	Trifluralin	ND	U	U	ug/L	Not Detected	F2	Residential



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND, HAWAII
400 MARSHALL ROAD
JBPHH, HAWAII 96860-3139

11000
Ser PWO/0098
February 28, 2022

Interagency Drinking Water System Team

**SUBJECT: CERTIFICATION OF IRRIGATION LINE FLUSHING – JOINT BASE
PEARL HARBOR-HICKAM - ZONE F2**

ENCL: (1) Dept. of Health Irrigation System Flushing Guidance

On behalf of the United States Department of the Navy, operator of the Joint Base Pearl Harbor-Hickam Public Water System (PWS ID No. 360 Water System), and in connection with and pursuant to the removal action required by the DOH Hazard Evaluation and Emergency Response Office Incident Case No. 20211128-1848, the undersigned certifies that the Navy has made all necessary inquiry into their Water System and represents and warrants as set forth below.

Landscape irrigation systems in Zone F2, generally known as the Catlin Park, Halsey Terrace and Radford Terrace Housing area, have been operated and flushed following Enclosure (1), and subsequent to the approved distribution line flushing conducted in December, 2021.

The undersigned has due authority to deliver this Certification on behalf of the Navy.

Sincerely,

HARMEYER.RANDALL
ERNEST.1186692663

Digitally signed by
HARMEYER.RANDALL.ERNEST.11
86692663
Date: 2022.02.28 09:22:36 -10'00'

R. E. HARMEYER
Captain, CEC, U.S. Navy
Public Works Officer
By Direction
of the Commanding Officer

DOH guidance for active irrigation line purging/flushing

Given the minimal quantities and concentration of fuel contamination in the irrigation lines, along with the expected degradation due to time, the following guidance lines are being provided:

System operator responsibility:

- Determine what the irrigation system pipe size is (for volume calculations).
- Calculate the approximate amount of time needed to complete 3 volumetric turnovers of the subject line (est. duration per foot).
- Assess how long each line will need to be purged/flushed based on the above estimates.
- Notify community.
- Cover or otherwise minimize any spray from the system (traffic cone) in order to prevent contact.
- Purge irrigation system under supervision for the estimated duration.
- Allow ground to absorb and dry.
- Notify residents to avoid area for the next 24 hours.
- Prevent/minimize any runoff.
- Prevent contact with the irrigation water.

DOH Guidance for Active Irrigation Line Purging and Flushing

Given the minimal quantities and concentration of fuel contamination in the irrigation lines, along with the expected degradation due to time, the following guidance lines are being provided:

System operator responsibility:

- Determine what the irrigation system pipe size is (for volume calculations).
- Calculate the approximate amount of time needed to complete 3 volumetric turnovers of the subject line (est. duration per foot).
- Assess how long each line will need to be purged/flushed based on the above estimates.
- Notify community.
- Cover or otherwise minimize any spray from the system (traffic cone) in order to prevent contact.
- Purge irrigation system under supervision for the estimated duration.
- Allow ground to absorb and dry.
- Notify residents to avoid area for the next 24 hours.
- Prevent/minimize any runoff.
- Prevent contact with the irrigation water.

Navy/Army must develop a standard operating procedure incorporating the above guidance and provide training to personnel responsible for execution of the irrigation line purging/flushing.