

Table 3-2: Groundwater and QC Sample Results for the Second Quarter 2021 Quarterly Groundwater Monitoring Event
Red Hill Bulk Fuel Storage Facility, JBPHH, Oahu, Hawaii

| Analyte | Benzene | Ethylbenzene | Toluene | Xylenes | Naphthalene | TPH-g (C6-C12) | TPH-d (C9-C25) | TPH-d (C9-C25) with Silica Gel Cleanup | TPH-e (C24-C40) | TPH-e (C24-C40) with Silica Gel Cleanup | | | | |
|---|-------------------|------------------|-------------------|-------------------|--------------------|------------------|--------------------|--|-------------------------|---|-------------------------|---------|-------|---------|
| | CAS No. Method | 71-43-2 8260B | 100-41-4 8260B | 106-98-3 8260B | 1330-20-7 8260B | 81-20-3 8260B | PHCC06C10 8260B | PHCC10C24 8015B E | PHCC10C24S5C 8015B E | PHCC24C40 8015B E | PHCC24C40S5C 8015B E | | | |
| DOH Tier 1 EAL | 5 | 30 | 40 | 20 | 17 | 300 | 400 | — | — | 500 | | | | |
| EPA MCL | 5 | 700 | 1000 | 10000 | — | — | — | — | — | — | | | | |
| Unit | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | | | | |
| Location | Sample ID | Sampling Date | Sampling Time | Type | Result | Result | Result | Result | Result | Result | | | | |
| RH Shaft (pre-chlorination) | ERH1970 | 11/29/2021 | 14:05 | Normal | 0.50 U | 0.80 U | 0.80 U | 1.4 J | 3.8 | 31 J | 290 U | pending | 290 U | pending |
| DW Compliance Point (post-chlorination) | ERH1971 | 11/29/2021 | 14:40 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| Halea Terrace Community Center | ERH1972 | 11/29/2021 | 13:20 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| Moana Loa Terrace | ERH1973 | 11/29/2021 | 14:25 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 300 U | pending | 300 U | pending |
| Raford Terrace Community Center | ERH1974 | 11/29/2021 | 13:40 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 300 U | pending | 300 U | pending |
| Waialea Shaft | ERH1975 | 11/29/2021 | 20:00 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 310 U | pending | 310 U | pending |
| Red Hill Mauka Community Center | ERH1977 | 11/29/2021 | 19:15 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 300 U | pending | 300 U | pending |
| Overflow/Storage Tank S1 | ERH1978 | 11/29/2021 | 18:25 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 300 U | pending | 300 U | pending |
| Overflow/Storage Tank S2 | ERH1979 | 11/29/2021 | 18:15 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| AMR AAFES Altamiru Express/Gas Station Area | ERH1980 | 11/29/2021 | 18:55 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| Callin Park Community Center | ERH1981 | 11/29/2021 | 14:05 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| Pelcier Child Development Center | ERH1982 | 11/29/2021 | 16:45 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 300 U | pending | 300 U | pending |
| Nimitz Elementary School | ERH1983 | 11/29/2021 | 17:25 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
| Pearl Harbor Elementary School | ERH1984 | 11/29/2021 | 17:40 | Normal | 0.50 U | 0.80 U | 0.80 U | 0.80 U | 2.0 U | 80 U | 290 U | pending | 290 U | pending |
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Notes:
Bold text indicates detected value.
Bold and gray shaded text indicates analyte exceeds the DOH Tier 1 EAL.
Bold and blue shaded text indicates analyte exceeds the EPA MCL.
 — = not analyzed or not applicable
 µg/L = microgram per liter
 CAS = Chemical Abstracts Service
 J = estimated value, low bias
 J+ = estimated value, high bias
 mg/L = milligram per liter
 no. = number
 QC = quality control
 U = nondetect value
 TB = trip blank
 TPH-g = total petroleum hydrocarbons-gasoline range organics
 TPH-d = total petroleum hydrocarbons-diesel range organics
 TPH-e = total petroleum hydrocarbons-residual range