

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) <sup>a</sup> | TPH-d (C9-C25) with Silica Gel Cleanup | TPH-e (C24-C40) <sup>b</sup> | TPH-e (C24-C40) with Silica Gel Cleanup |
|---|-----------|---------------|---------------|--------|---------|--------|---------|--------------|-------------|-------------|----------------|-----------------------------|--|------------------------------|---|
|   | CAS No.   | Method        | Result        | Result | Result  | Result | Result  | Result       | Result      | Result      | Result         | Result                      | Result                                 | Result                       | Result                                  |
| 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        | µg/L           | µg/L                        | µg/L                                   | µg/L                         | µg/L                                    |
| Location                                    | Sample ID | Sampling Date | Sampling Time | Type   | Result  | Result | Result  | Result       | Result      | 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  | <b>1.4 J</b> | <b>3.8</b>  | <b>31 J</b> | 290 U          | pending                     | 290 U                                  | pending                      | 290 U                                   |
| 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                      | 290 U                                   |
| 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                      | 290 U                                   |
| 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                      | 300 U                                   |
| 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                      | 300 U                                   |
| Waiaua Shaft                                | ERH1975   | 11/29/2021    | 20:05         | Normal | 0.50 U  | 0.80 U | 0.80 U  | 0.80 U       | 2.0 U       | 80 U        | 310 U          | pending                     | 310 U                                  | pending                      | 310 U                                   |
| Red Hill Maika 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                      | 300 U                                   |
| 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                      | 300 U                                   |
| 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                      | 290 U                                   |
| 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                      | 290 U                                   |
| 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                      | 290 U                                   |
| 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                      | 300 U                                   |
| 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                      | 290 U                                   |
| 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                      | 290 U                                   |
|   |           |               |               |        |         |        |         |              |             |             |                |                             |  |                              |   |
|   |           |               |               |        |         |        |         |              |             |             |                |                             |  |                              |   |
|   |           |               |               |        |         |        |         |              |             |             |                |                             |  |                              |   |
|   |           |               |               |        |         |        |         |              |             |             |                |                             |  |                              |   |

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, low 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