

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-ALOH1615 | A1-ALOH1617 | A1-ALOH1618 | A1-ALOH1619 | A1-ALOH1632 | A1-ALOH1634 | A1-ASHL5010 | A1-ASHL5126 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | Address: | | 1615 Aloha Avenue | 1617 Aloha Avenue | 1618 Aloha Avenue | 1619 Aloha Avenue | 1632 Aloha Avenue | 1634 Aloha Avenue | 5010 Ashley Avenue | 5126 Ashley Avenue |
| | | Field Sample ID: | | A1-TW-0001575-22144-N | A1-TW-0001577-22144-N | A1-TW-0001578-22144-N | A1-TW-0001579-22144-N | A1-TW-0001590-22144-N | A1-TW-0001591-22144-N | A1-TW-0001288-22144-N | A1-TW-0001219-22144-N |
| | | Sample Date: | | 2022-06-20 | 2022-08-23 | 2022-08-23 | 2022-06-24 | 2022-08-24 | 2022-08-23 | 2022-07-21 | 2022-06-20 |
| | | Sample Type: | | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 360 | 640 | 470 | 240 | 410 | 550 | 380 | 240 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND | 61.3 | 54.7 | 65.8 | 57.8 | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND | 61.3 | 54.7 | 65.8 | 57.8 | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | 0.220 | ND | 0.110 | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.90 | 1.80 | 1.90 | 1.90 | 1.90 | 1.80 | 2.20 | 2.40 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.00 | 1.40 | 1.40 | 0.510 | 1.30 | 1.50 | 1.10 | 0.930 |
| | Copper | 1300 | MCL | 32.1 | 32.5 | 33.1 | 34.0 | 35.6 | 11.6 | 16.7 | 12.8 |
| | Lead | 15 | MCL | ND | ND | ND | 0.190 | 0.240 | 0.480 | ND | 0.200 |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 1.80 | 0.360 | 0.470 | ND | 0.440 | 0.340 | ND | 2.00 |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-ALOH1615 | A1-ALOH1617 | A1-ALOH1618 | A1-ALOH1619 | A1-ALOH1632 | A1-ALOH1634 | A1-ASHL5010 | A1-ASHL5126 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 1615 Aloha Avenue | 1617 Aloha Avenue | 1618 Aloha Avenue | 1619 Aloha Avenue | 1632 Aloha Avenue | 1634 Aloha Avenue | 5010 Ashley Avenue | 5126 Ashley Avenue |
| | | | | Field Sample ID: | A1-TW-0001575-22144-N | A1-TW-0001577-22144-N | A1-TW-0001578-22144-N | A1-TW-0001579-22144-N | A1-TW-0001590-22144-N | A1-TW-0001591-22144-N | A1-TW-0001288-22144-N | A1-TW-0001219-22144-N |
| | | | | Sample Date: | 2022-06-20 | 2022-08-23 | 2022-08-23 | 2022-06-24 | 2022-08-24 | 2022-08-23 | 2022-07-21 | 2022-06-20 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-ALOH1615 | A1-ALOH1617 | A1-ALOH1618 | A1-ALOH1619 | A1-ALOH1632 | A1-ALOH1634 | A1-ASHL5010 | A1-ASHL5126 |
|------------------------|------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 1615 Aloha Avenue | 1617 Aloha Avenue | 1618 Aloha Avenue | 1619 Aloha Avenue | 1632 Aloha Avenue | 1634 Aloha Avenue | 5010 Ashley Avenue | 5126 Ashley Avenue |
| | | | | Field Sample ID: | A1-TW-0001575-22144-N | A1-TW-0001577-22144-N | A1-TW-0001578-22144-N | A1-TW-0001579-22144-N | A1-TW-0001590-22144-N | A1-TW-0001591-22144-N | A1-TW-0001288-22144-N | A1-TW-0001219-22144-N |
| | | | | Sample Date: | 2022-06-20 | 2022-08-23 | 2022-08-23 | 2022-06-24 | 2022-08-24 | 2022-08-23 | 2022-07-21 | 2022-06-20 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Method Group | Analyte | | | | | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | ND | ND | 4.20 | ND | ND | 0.640 | 1.10 | |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | |
| | Dibromochloromethane | -- | -- | ND | ND | ND | 1.00 | ND | ND | 0.530 | 0.860 | |
| | Total Trihalomethanes | 80 | MCL | ND | ND | ND | 5.20 | ND | ND | 1.17 | 1.96 | |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-ASHL5202 | A1-AUST0201 | A1-AUST0203 | A1-AUST0213 | A1-AUST0217 | A1-AUST0219 | A1-CORA1709 | A1-CORA1713 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 5202 Ashley Avenue | 201 Austin Court | 203 Austin Court | 213 Austin Court | 217 Austin Court | 219 Austin Court | 1709 Coral Avenue | 1713 Coral Avenue |
| | | | | Field Sample ID: | A1-TW-0001223-22144-N | A1-TW-0001604-22144-N | A1-TW-0001605-22144-N | A1-TW-0001609-22144-N | A1-TW-0001611-22144-N | A1-TW-0001612-22144-N | A1-TW-0001627-22144-N | A1-TW-0001628-22144-3-N |
| | | | | Sample Date: | 2022-07-20 | 2022-08-24 | 2022-07-20 | 2022-08-23 | 2022-08-23 | 2022-08-23 | 2022-07-22 | 2022-06-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 470 | 630 | 130 | 600 | 460 | 580 | 220 | 130 | |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | 55.2 | ND | 51.8 | ND | 50.3 | ND | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | 55.2 | ND | 51.8 | ND | 50.3 | ND | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | 0.250 | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 2.20 | 1.80 | 2.00 | 1.90 | 1.90 | 2.10 | 2.30 | 1.80 | |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.30 | 1.20 | 1.40 | 1.40 | 1.40 | 1.50 | 1.30 | 0.730 | |
| | Copper | 1300 | MCL | 50.0 | 42.5 | 56.6 | 28.8 | 24.2 | 23.0 | 34.5 | 29.5 | |
| | Lead | 15 | MCL | ND | ND | ND | 0.250 | 0.420 | ND | 0.190 | ND | ND |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 0.470 | 0.300 | 0.390 | 0.420 | 0.420 | 0.570 | ND | ND | |
| | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Synthetic Organic Compounds (ppb) | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-ASHL5202 | A1-AUST0201 | A1-AUST0203 | A1-AUST0213 | A1-AUST0217 | A1-AUST0219 | A1-CORA1709 | A1-CORA1713 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | Address: | 5202 Ashley Avenue | 201 Austin Court | 203 Austin Court | 213 Austin Court | 217 Austin Court | 219 Austin Court | 1709 Coral Avenue | 1713 Coral Avenue |
| | | Field Sample ID: | A1-TW-0001223-22144-N | A1-TW-0001604-22144-N | A1-TW-0001605-22144-N | A1-TW-0001609-22144-N | A1-TW-0001611-22144-N | A1-TW-0001612-22144-N | A1-TW-0001627-22144-N | A1-TW-0001628-22144-3-N |
| | | Sample Date: | 2022-07-20 | 2022-08-24 | 2022-07-20 | 2022-08-23 | 2022-08-23 | 2022-08-23 | 2022-07-22 | 2022-06-23 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-ASHL5202 | A1-AUST0201 | A1-AUST0203 | A1-AUST0213 | A1-AUST0217 | A1-AUST0219 | A1-CORA1709 | A1-CORA1713 |
|------------------------|------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | Address: | 5202 Ashley Avenue | 201 Austin Court | 203 Austin Court | 213 Austin Court | 217 Austin Court | 219 Austin Court | 1709 Coral Avenue | 1713 Coral Avenue |
| | | Field Sample ID: | A1-TW-0001223-22144-N | A1-TW-0001604-22144-N | A1-TW-0001605-22144-N | A1-TW-0001609-22144-N | A1-TW-0001611-22144-N | A1-TW-0001612-22144-N | A1-TW-0001627-22144-N | A1-TW-0001628-22144-3-N |
| | | Sample Date: | 2022-07-20 | 2022-08-24 | 2022-07-20 | 2022-08-23 | 2022-08-23 | 2022-08-23 | 2022-07-22 | 2022-06-23 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) |
| | | | | | | | | | | |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | 0.350 | ND | ND |
| | Bromoform | -- | -- | ND | 0.450 | 7.00 | 0.280 | 1.30 | 0.360 | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | 0.270 | 0.930 | 0.260 | 1.10 | 0.300 | ND |
| | Total Trihalomethanes | 80 | MCL | ND | 0.720 | 7.93 | 0.540 | 2.75 | 0.660 | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-CORA1713 | A1-CURT0149 | A1-ETCE0251 | A1-ETCE0253 | A1-ETCE0289 | A1-KIRK2214 | A1-LANA4003 | |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | |
| | | | | Address: | 1713 Coral Avenue | 149 Curtis Court | 251 Etccl Court | 253 Etccl Court | 289 Etccl Court | 2214 Kirkbride Avenue | 4003 Lanakila Avenue | |
| | | | | Field Sample ID: | A1-TW-0001628-22144-N | A1-TW-0001306-22144-N | A1-TW-0001318-22144-N | A1-TW-0001492-22144-N | A1-TW-0001247-22144-N | A1-TW-0001637-22144-N | A1-TW-0001654-22144-3-N | A1-TW-0001654-22144-N |
| | | | | Sample Date: | 2022-06-23 | 2022-08-24 | 2022-09-23 | 2022-07-20 | 2022-06-24 | 2022-06-20 | 2022-09-23 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 130 | 440 | 260 | 290 | 430 | 270 | 370 | 370 | |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | 69.1 | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | 69.1 | ND | ND | ND | ND | ND | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | 0.170 | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.90 | 1.90 | 1.80 | 2.10 | 2.00 | 2.00 | 1.80 | 1.80 | 1.80 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 0.720 | 1.20 | 1.70 | 1.20 | 0.730 | 1.00 | 1.80 | 1.70 | 1.70 |
| | Copper | 1300 | MCL | 34.2 | 35.0 | 27.2 | 24.4 | 20.5 | 26.9 | 48.8 | 47.3 | |
| | Lead | 15 | MCL | ND | 0.170 | ND | ND | ND | ND | ND | ND | ND |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 0.890 | 0.400 | ND | 0.310 | ND | 1.70 | ND | ND | ND |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-CORA1713 | A1-CURT0149 | A1-ETCE0251 | A1-ETCE0253 | A1-ETCE0289 | A1-KIRK2214 | A1-LANA4003 | |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | |
| | | | | Address: | 1713 Coral Avenue | 149 Curtis Court | 251 Etccl Court | 253 Etccl Court | 289 Etccl Court | 2214 Kirkbride Avenue | 4003 Lanakila Avenue | |
| | | | | Field Sample ID: | A1-TW-0001628-22144-N | A1-TW-0001306-22144-N | A1-TW-0001318-22144-N | A1-TW-0001492-22144-N | A1-TW-0001247-22144-N | A1-TW-0001637-22144-N | A1-TW-0001654-22144-3-N | A1-TW-0001654-22144-N |
| | | | | Sample Date: | 2022-06-23 | 2022-08-24 | 2022-09-23 | 2022-07-20 | 2022-06-24 | 2022-06-20 | 2022-09-23 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-CORA1713 | A1-CURT0149 | A1-ETCE0251 | A1-ETCE0253 | A1-ETCE0289 | A1-KIRK2214 | A1-LANA4003 | |
|------------------------|------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | |
| | | | | Address: | 1713 Coral Avenue | 149 Curtis Court | 251 Etccl Court | 253 Etccl Court | 289 Etccl Court | 2214 Kirkbride Avenue | 4003 Lanakila Avenue | |
| | | | | Field Sample ID: | A1-TW-0001628-22144-N | A1-TW-0001306-22144-N | A1-TW-0001318-22144-N | A1-TW-0001492-22144-N | A1-TW-0001247-22144-N | A1-TW-0001637-22144-N | A1-TW-0001654-22144-3-N | A1-TW-0001654-22144-N |
| | | | | Sample Date: | 2022-06-23 | 2022-08-24 | 2022-09-23 | 2022-07-20 | 2022-06-24 | 2022-06-20 | 2022-09-23 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) |
| | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Method Group | Analyte | | | | | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | 0.340 | 0.310 | ND | 0.780 | ND | ND | ND | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | ND | ND | ND | 0.580 | ND | ND | ND | ND |
| | Total Trihalomethanes | 80 | MCL | ND | 0.340 | 0.310 | ND | 1.36 | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-LANA4301 | A1-LEHU0300 | A1-LEHU0506 | A1-LEHU0523 | A1-LEHU0527 | A1-LEHU0531 | A1-LEYC0110 | A1-LEYC0144 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | Address: | | 4301 Lanakila Avenue | 300 Lehua Avenue | 506 Lehua Avenue | 523 Lehua Avenue | 527 Lehua Avenue | 531 Lehua Avenue | 110 Ley Court | 144 Ley Court |
| | | Field Sample ID: | | A1-TW-0001496-22144-N | A1-TW-0001513-22144-N | A1-TW-0001678-22144-N | A1-TW-0001691-22144-N | A1-TW-0001693-22144-N | A1-TW-0001695-22144-N | A1-TW-0001700-22144-N | A1-TW-0001714-22144-N |
| | | Sample Date: | | 2022-06-24 | 2022-09-23 | 2022-06-22 | 2022-06-21 | 2022-09-23 | 2022-06-27 | 2022-09-23 | 2022-06-20 |
| | | Sample Type: | | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 260 | 130 | 430 | 350 | 330 | 200 | 260 | 620 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND | ND | 84.1 | 65.7 | ND | 103 | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND | ND | 84.1 | 65.7 | ND | 103 | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | 0.200 |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.80 | 2.20 | 2.10 | 2.00 | 1.90 | 2.00 | 1.80 | 1.90 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 0.780 | 1.80 | 1.20 | 1.10 | 1.70 | 1.20 | 1.70 | 0.970 |
| | Copper | 1300 | MCL | 32.9 | 30.5 | 29.3 | 47.1 | 26.1 | 51.5 | 19.4 | 17.6 |
| | Lead | 15 | MCL | ND | ND | 0.230 | 0.140 | ND | 0.140 | 0.270 | ND |
| | Mercury | 2 | MCL | ND | 0.0250 | ND | 0.120 | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 0.700 | ND | 1.90 | 1.10 | ND | 0.440 | ND | 1.90 |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-LANA4301 | A1-LEHU0300 | A1-LEHU0506 | A1-LEHU0523 | A1-LEHU0527 | A1-LEHU0531 | A1-LEYC0110 | A1-LEYC0144 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 4301 Lanakila Avenue | 300 Lehua Avenue | 506 Lehua Avenue | 523 Lehua Avenue | 527 Lehua Avenue | 531 Lehua Avenue | 110 Ley Court | 144 Ley Court |
| | | | | Field Sample ID: | A1-TW-0001496-22144-N | A1-TW-0001513-22144-N | A1-TW-0001678-22144-N | A1-TW-0001691-22144-N | A1-TW-0001693-22144-N | A1-TW-0001695-22144-N | A1-TW-0001700-22144-N | A1-TW-0001714-22144-N |
| | | | | Sample Date: | 2022-06-24 | 2022-09-23 | 2022-06-22 | 2022-06-21 | 2022-09-23 | 2022-06-27 | 2022-09-23 | 2022-06-20 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | 0.720 | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-LANA4301 | A1-LEHU0300 | A1-LEHU0506 | A1-LEHU0523 | A1-LEHU0527 | A1-LEHU0531 | A1-LEYC0110 | A1-LEYC0144 |
|------------------------|------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 4301 Lanakila Avenue | 300 Lehua Avenue | 506 Lehua Avenue | 523 Lehua Avenue | 527 Lehua Avenue | 531 Lehua Avenue | 110 Ley Court | 144 Ley Court |
| | | | | Field Sample ID: | A1-TW-0001496-22144-N | A1-TW-0001513-22144-N | A1-TW-0001678-22144-N | A1-TW-0001691-22144-N | A1-TW-0001693-22144-N | A1-TW-0001695-22144-N | A1-TW-0001700-22144-N | A1-TW-0001714-22144-N |
| | | | | Sample Date: | 2022-06-24 | 2022-09-23 | 2022-06-22 | 2022-06-21 | 2022-09-23 | 2022-06-27 | 2022-09-23 | 2022-06-20 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Method Group | Analyte | | | | | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | 0.720 | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | 0.420 | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | 1.20 | 0.780 | 1.30 | ND | 1.80 | 5.90 | ND | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | 1.00 | 0.550 | 0.600 | ND | 0.790 | 0.850 | ND | ND |
| | Total Trihalomethanes | 80 | MCL | ND | 2.62 | 1.33 | 1.90 | ND | 2.59 | 6.75 | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | <div>Location ID: A1-LEYC0148 Location Type: Residence Address: 148 Ley Court Field Sample ID: A1-TW-0001716-22144-N Sample Date: 2022-09-23 Sample Type: N (Normal)</div> | | | | | | | | | |
|-----------------------------------|---------------------------------------|--|----------------------------------|------|-------|-------|-------|------|------|-------|------|
| | | <div>Location ID: A1-LEYC0150 Location Type: Residence Address: 150 Ley Court Field Sample ID: A1-TW-0001717-22144-N Sample Date: 2022-08-24 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1003 Location Type: Residence Address: 1003 Lowella Avenue Field Sample ID: A1-TW-0001532-22144-N Sample Date: 2022-08-23 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1006 Location Type: Residence Address: 1006 Lowella Avenue Field Sample ID: A1-TW-0001535-22144-N Sample Date: 2022-08-24 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1010 Location Type: Residence Address: 1010 Lowella Avenue Field Sample ID: A1-TW-0001538-22144-N Sample Date: 2022-09-23 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1013 Location Type: Residence Address: 1013 Lowella Avenue Field Sample ID: A1-TW-0001540-22144-N Sample Date: 2022-09-23 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1103 Location Type: Residential Child Care Address: 1103 Lowella Ave (CDH) Field Sample ID: A1-TW-0017808-22144-N Sample Date: 2022-07-20 Sample Type: N (Normal)</div> | | | | | | | | | |
| | | <div>Location ID: A1-LOWE1105 Location Type: Residence Address: 1105 Lowella Avenue Field Sample ID: A1-TW-0001558-22144-N Sample Date: 2022-09-23 Sample Type: N (Normal)</div> | | | | | | | | | |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 220 | 420 | 320 | 330 | 530 | 420 | 500 | 260 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | 51.3 | ND | ND | ND | ND | ND | 69.6 |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | 51.3 | ND | ND | ND | ND | ND | 69.6 |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | 0.210 | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.80 | 1.80 | 2.20 | 1.80 | 1.90 | 1.90 | 1.90 | 1.80 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.70 | 1.20 | 1.50 | 1.40 | 1.70 | 1.70 | 1.20 | 1.70 |
| | Copper | 1300 | MCL | 26.7 | 21.9 | 12.7 | 23.1 | 19.7 | 37.8 | 16.1 | 35.2 |
| | Lead | 15 | MCL | ND | 0.140 | ND | ND | ND | 1.80 | ND | ND |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | ND | 0.550 | 0.460 | 0.410 | ND | ND | 0.430 | ND |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | 1.80 | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-LEYC0148 | A1-LEYC0150 | A1-LOWE1003 | A1-LOWE1006 | A1-LOWE1010 | A1-LOWE1013 | A1-LOWE1103 | A1-LOWE1105 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residential Child Care | Residence |
| | | | | Address: | 148 Ley Court | 150 Ley Court | 1003 Lowella Avenue | 1006 Lowella Avenue | 1010 Lowella Avenue | 1013 Lowella Avenue | 1103 Lowella Ave (CDH) | 1105 Lowella Avenue |
| | | | | Field Sample ID: | A1-TW-0001716-22144-N | A1-TW-0001717-22144-N | A1-TW-0001532-22144-N | A1-TW-0001535-22144-N | A1-TW-0001538-22144-N | A1-TW-0001540-22144-N | A1-TW-0017808-22144-N | A1-TW-0001558-22144-N |
| | | | | Sample Date: | 2022-09-23 | 2022-08-24 | 2022-08-23 | 2022-08-24 | 2022-09-23 | 2022-09-23 | 2022-07-20 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-LEYC0148 | A1-LEYC0150 | A1-LOWE1003 | A1-LOWE1006 | A1-LOWE1010 | A1-LOWE1013 | A1-LOWE1103 | A1-LOWE1105 |
|------------------------|------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|
| | | Location Type: | Residence | Residence | Residence | Residence | Residence | Residence | Residential Child Care | Residence |
| | | Address: | 148 Ley Court | 150 Ley Court | 1003 Lowella Avenue | 1006 Lowella Avenue | 1010 Lowella Avenue | 1013 Lowella Avenue | 1103 Lowella Ave (CDH) | 1105 Lowella Avenue |
| | | Field Sample ID: | A1-TW-0001716-22144-N | A1-TW-0001717-22144-N | A1-TW-0001532-22144-N | A1-TW-0001535-22144-N | A1-TW-0001538-22144-N | A1-TW-0001540-22144-N | A1-TW-0017808-22144-N | A1-TW-0001558-22144-N |
| | | Sample Date: | 2022-09-23 | 2022-08-24 | 2022-08-23 | 2022-08-24 | 2022-09-23 | 2022-09-23 | 2022-07-20 | 2022-09-23 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Haloacetic Acids (ppb) | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | 0.310 | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | 0.840 | 0.770 | ND | ND | ND | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | 0.600 | 0.700 | ND | ND | ND | ND |
| | Total Trihalomethanes | 80 | MCL | ND | 1.44 | 1.78 | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-LOWE1106 | A1-LOWE1113 | A1-LOWE1126 | A1-PALM1814 | A1-PALM1816 | | A1-PALM1822 | |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | Residence | Residence | | Residence | |
| | | Address: | | 1106 Lowella Avenue | 1113 Lowella Avenue | 1126 Lowella Avenue | 1814 Palm Avenue | 1816 Palm Avenue | | 1822 Palm Avenue | |
| | | Field Sample ID: | | A1-TW-0001559-22144-N | A1-TW-0001324-22144-N | A1-TW-0001335-22144-N | A1-TW-0001350-22144-N | A1-TW-0001731-22144-3-N | A1-TW-0001731-22144-N | A1-TW-0001734-22144-3-N | A1-TW-0001734-22144-N |
| | | Sample Date: | | 2022-09-23 | 2022-07-22 | 2022-09-23 | 2022-08-24 | 2022-07-20 | 2022-07-20 | 2022-06-22 | 2022-06-22 |
| | | Sample Type: | | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 240 | 250 | 260 | 310 | 490 | 490 | 460 | 460 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | 0.120 | ND | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.90 | 2.30 | 2.20 | 2.10 | 2.10 | 2.10 | 2.00 | 2.10 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.70 | 1.30 | 1.70 | 1.30 | 1.20 | 1.20 | 1.40 | 1.40 |
| | Copper | 1300 | MCL | 37.3 | 27.8 | 52.2 | 15.9 | 17.9 | 18.5 | 11.7 | 12.5 |
| | Lead | 15 | MCL | 0.180 | 0.250 | ND | ND | ND | ND | ND | ND |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | 0.0250 |
| | Selenium | 50 | MCL | ND | 0.480 | ND | 0.400 | 0.310 | ND | 2.20 | 1.50 |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-LOWE1106 | A1-LOWE1113 | A1-LOWE1126 | A1-PALM1814 | A1-PALM1816 | | A1-PALM1822 | |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | Residence | Residence | | Residence | |
| | | Address: | | 1106 Lowella Avenue | 1113 Lowella Avenue | 1126 Lowella Avenue | 1814 Palm Avenue | 1816 Palm Avenue | | 1822 Palm Avenue | |
| | | Field Sample ID: | | A1-TW-0001559-22144-N | A1-TW-0001324-22144-N | A1-TW-0001335-22144-N | A1-TW-0001350-22144-N | A1-TW-0001731-22144-3-N | A1-TW-0001731-22144-N | A1-TW-0001734-22144-3-N | A1-TW-0001734-22144-N |
| | | Sample Date: | | 2022-09-23 | 2022-07-22 | 2022-09-23 | 2022-08-24 | 2022-07-20 | 2022-07-20 | 2022-06-22 | 2022-06-22 |
| | | Sample Type: | | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-LOWE1106 | A1-LOWE1113 | A1-LOWE1126 | A1-PALM1814 | A1-PALM1816 | | A1-PALM1822 | | |
|------------------------|------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|----|
| | | Location Type: | Residence | Residence | Residence | Residence | Residence | | Residence | | |
| | | Address: | 1106 Lowella Avenue | 1113 Lowella Avenue | 1126 Lowella Avenue | 1814 Palm Avenue | 1816 Palm Avenue | | 1822 Palm Avenue | | |
| | | Field Sample ID: | A1-TW-0001559-22144-N | A1-TW-0001324-22144-N | A1-TW-0001335-22144-N | A1-TW-0001350-22144-N | A1-TW-0001731-22144-3-N | A1-TW-0001731-22144-N | A1-TW-0001734-22144-3-N | A1-TW-0001734-22144-N | |
| | | Sample Date: | 2022-09-23 | 2022-07-22 | 2022-09-23 | 2022-08-24 | 2022-07-20 | 2022-07-20 | 2022-06-22 | 2022-06-22 | |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) | |
| | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Method Group | Analyte | | | | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | ND | 2.60 | 0.750 | 0.550 | 0.920 | 0.640 | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | ND | 0.500 | 0.500 | ND | ND | ND | ND |
| | Total Trihalomethanes | 80 | MCL | ND | ND | 3.10 | 1.25 | 0.550 | 0.920 | 0.640 | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-PARK0188 | A1-PARK0196 | A1-PARK0210 | | A1-ROBI1204 | | A1-ROBI1304 | A1-ROBI1305 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | | Residence | | Residence | Residence |
| | | Address: | | 188 Parker Court | 196 Parker Court | 210 Parker Court | | 1204 Robinson Avenue | | 1304 Robinson Avenue | 1305 Robinson Avenue |
| | | Field Sample ID: | | A1-TW-0001761-22144-N | A1-TW-0001765-22144-N | A1-TW-0001771-22144-3-N | A1-TW-0001771-22144-N | A1-TW-0001793-22144-3-N | A1-TW-0001793-22144-N | A1-TW-0001365-22144-N | A1-TW-0001366-22144-N |
| | | Sample Date: | | 2022-08-24 | 2022-07-22 | 2022-08-23 | 2022-08-23 | 2022-08-24 | 2022-08-24 | 2022-06-20 | 2022-09-23 |
| | | Sample Type: | | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 550 | 520 | 300 | 300 | 440 | 440 | 400 | 700 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | 67.1 | ND | 52.3 | 53.2 | 52.9 | ND | ND | 76.7 |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | 67.1 | ND | 52.3 | 53.2 | 52.9 | ND | ND | 76.7 |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.80 | 1.90 | 1.80 | 1.80 | 1.90 | 1.90 | 1.90 | 1.80 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.40 | 1.30 | 1.60 | 1.70 | 1.30 | 1.30 | 0.900 | 1.70 |
| | Copper | 1300 | MCL | 16.5 | 23.7 | 17.4 | 17.7 | 13.6 | 13.6 | 10.3 | 40.5 |
| | Lead | 15 | MCL | 0.130 | ND | ND | ND | ND | ND | ND | 1.20 |
| | Mercury | 2 | MCL | ND | 0.0270 | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 0.370 | 0.370 | 0.400 | 0.350 | 0.500 | 0.380 | 1.10 | ND |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-PARK0188 | A1-PARK0196 | A1-PARK0210 | | A1-ROBI1204 | | A1-ROBI1304 | A1-ROBI1305 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | | Residence | | Residence | Residence |
| | | | | Address: | 188 Parker Court | 196 Parker Court | 210 Parker Court | | 1204 Robinson Avenue | | 1304 Robinson Avenue | 1305 Robinson Avenue |
| | | | | Field Sample ID: | A1-TW-0001761-22144-N | A1-TW-0001765-22144-N | A1-TW-0001771-22144-3-N | A1-TW-0001771-22144-N | A1-TW-0001793-22144-3-N | A1-TW-0001793-22144-N | A1-TW-0001365-22144-N | A1-TW-0001366-22144-N |
| | | | | Sample Date: | 2022-08-24 | 2022-07-22 | 2022-08-23 | 2022-08-23 | 2022-08-24 | 2022-08-24 | 2022-06-20 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-PARK0188 | A1-PARK0196 | A1-PARK0210 | | A1-ROBI1204 | | A1-ROBI1304 | A1-ROBI1305 |
|------------------------|------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | Residence | Residence | Residence | | Residence | | Residence | Residence |
| | | Address: | 188 Parker Court | 196 Parker Court | 210 Parker Court | | 1204 Robinson Avenue | | 1304 Robinson Avenue | 1305 Robinson Avenue |
| | | Field Sample ID: | A1-TW-0001761-22144-N | A1-TW-0001765-22144-N | A1-TW-0001771-22144-3-N | A1-TW-0001771-22144-N | A1-TW-0001793-22144-3-N | A1-TW-0001793-22144-N | A1-TW-0001365-22144-N | A1-TW-0001366-22144-N |
| | | Sample Date: | 2022-08-24 | 2022-07-22 | 2022-08-23 | 2022-08-23 | 2022-08-24 | 2022-08-24 | 2022-06-20 | 2022-09-23 |
| | | Sample Type: | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Haloacetic Acids (ppb) | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Total Trihalomethanes | 80 | MCL | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-ROBI1317 | A1-ROBI1319 | A1-ROBI1321 | | A1-WAIA2387 | A1-WAIA2389 | A1-WAIA2421 | A1-WAIA6948 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | Residence | | Residence | Residence | Residence | Residence |
| | | Address: | | 1317 Robinson Avenue | 1319 Robinson Avenue | 1321 Robinson Avenue | | 2387 Waianiani Court | 2389 Waianiani Court | 2421 Waianiani Court | 6948 Waiauau Court |
| | | Field Sample ID: | | A1-TW-0001370-22144-N | A1-TW-0001371-22144-N | A1-TW-0001372-22144-3-N | A1-TW-0001372-22144-N | A1-TW-0001378-22144-N | A1-TW-0001379-22144-N | A1-TW-0001393-22144-N | A1-TW-0001409-22144-N |
| | | Sample Date: | | 2022-08-23 | 2022-09-23 | 2022-06-21 | 2022-06-21 | 2022-06-20 | 2022-06-20 | 2022-06-23 | 2022-07-20 |
| | | Sample Type: | | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 460 | 590 | 450 | 450 | 350 | 170 | 450 | 350 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | 57.4 | 99.6 | 97.3 | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | 57.4 | 99.6 | 97.3 | ND | ND | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | ND | 0.180 | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.90 | 1.80 | 1.90 | 1.80 | 2.00 | 2.10 | 2.00 | 1.90 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.40 | 1.80 | 1.10 | 0.960 | 1.00 | 0.860 | 0.680 | 1.20 |
| | Copper | 1300 | MCL | 24.1 | 18.3 | 23.5 | 22.4 | 35.8 | 30.3 | 38.2 | 48.5 |
| | Lead | 15 | MCL | ND | ND | 0.290 | 0.150 | 0.130 | 0.530 | 0.150 | ND |
| | Mercury | 2 | MCL | ND | ND | ND | 0.110 | ND | ND | ND | ND |
| | Selenium | 50 | MCL | 0.330 | ND | 1.80 | 1.00 | 1.70 | 1.80 | 0.990 | 0.490 |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | Location ID: | A1-ROBI1317 | A1-ROBI1319 | A1-ROBI1321 | | A1-WAIA2387 | A1-WAIA2389 | A1-WAIA2421 | A1-WAIA6948 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | Residence | | Residence | Residence | Residence | Residence |
| | | | | Address: | 1317 Robinson Avenue | 1319 Robinson Avenue | 1321 Robinson Avenue | | 2387 Waianiani Court | 2389 Waianiani Court | 2421 Waianiani Court | 6948 Waiauau Court |
| | | | | Field Sample ID: | A1-TW-0001370-22144-N | A1-TW-0001371-22144-N | A1-TW-0001372-22144-3-N | A1-TW-0001372-22144-N | A1-TW-0001378-22144-N | A1-TW-0001379-22144-N | A1-TW-0001393-22144-N | A1-TW-0001409-22144-N |
| | | | | Sample Date: | 2022-08-23 | 2022-09-23 | 2022-06-21 | 2022-06-21 | 2022-06-20 | 2022-06-20 | 2022-06-23 | 2022-07-20 |
| | | | | Sample Type: | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Volatile Organic Compounds (ppb) | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | 0.340 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-ROBI1317 | A1-ROBI1319 | A1-ROBI1321 | | A1-WAIA2387 | A1-WAIA2389 | A1-WAIA2421 | A1-WAIA6948 |
|------------------------|------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | Residence | Residence | Residence | | Residence | Residence | Residence | Residence |
| | | Address: | 1317 Robinson Avenue | 1319 Robinson Avenue | 1321 Robinson Avenue | | 2387 Waianiani Court | 2389 Waianiani Court | 2421 Waianiani Court | 6948 Waiauau Court |
| | | Field Sample ID: | A1-TW-0001370-22144-N | A1-TW-0001371-22144-N | A1-TW-0001372-22144-3-N | A1-TW-0001372-22144-N | A1-TW-0001378-22144-N | A1-TW-0001379-22144-N | A1-TW-0001393-22144-N | A1-TW-0001409-22144-N |
| | | Sample Date: | 2022-08-23 | 2022-09-23 | 2022-06-21 | 2022-06-21 | 2022-06-20 | 2022-06-20 | 2022-06-23 | 2022-07-20 |
| | | Sample Type: | N (Normal) | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Haloacetic Acids (ppb) | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | 0.840 | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | 7.20 | ND | 0.570 | 0.800 | 1.10 | 2.20 | 0.830 |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | 4.10 | ND | ND | ND | 0.600 | 0.940 | ND |
| | Total Trihalomethanes | 80 | MCL | 12.1 | ND | 0.570 | 0.800 | 1.70 | 3.14 | 0.830 |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-WAIA6978 | A1-WAIK2225 | | A1-WAIK2229 | A1-WAIK2255 | A1-WAIK2260 | A1-WAIP2142 | A1-WAIP2144 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | | Residence | Residence | Residence | Residence | Residence |
| | | Address: | | 6978 Waiauau Court | 2225 Waikahe Court | | 2229 Waikahe Court | 2255 Waikahe Court | 2260 Waikahe Court | 2142 Waipuilani Court | 2144 Waipuilani Court |
| | | Field Sample ID: | | A1-TW-0001421-22144-N | A1-TW-0001442-22144-3-N | A1-TW-0001442-22144-N | A1-TW-0001445-22144-N | A1-TW-0001456-22144-N | A1-TW-0001458-22144-N | A1-TW-0000446-22144-N | A1-TW-0001478-22144-N |
| | | Sample Date: | | 2022-06-21 | 2022-06-23 | 2022-06-23 | 2022-07-20 | 2022-08-23 | 2022-07-22 | 2022-08-23 | 2022-08-23 |
| | | Sample Type: | | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 320 | 190 | 190 | 380 | 410 | 290 | 300 | 260 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND | ND | ND | 51.5 | ND | ND | 65.7 |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND | ND | ND | 51.5 | ND | ND | 65.7 |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | 0.670 | 0.730 | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 1.90 | 1.80 | 1.90 | 2.10 | 1.80 | 1.90 | 1.90 | 1.90 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 1.40 | 0.790 | 0.910 | 1.30 | 1.40 | 1.30 | 1.40 | 1.40 |
| | Copper | 1300 | MCL | 39.2 | 62.2 | 65.7 | 39.7 | 31.0 | 68.8 | 58.5 | 30.6 |
| | Lead | 15 | MCL | 0.150 | 0.160 | 0.160 | ND | 0.260 | 0.230 | ND | 0.230 |
| | Mercury | 2 | MCL | ND | 0.0360 | 0.0620 | ND | ND | 0.0360 | ND | ND |
| | Selenium | 50 | MCL | 1.00 | 0.440 | 0.560 | ND | 0.350 | 0.530 | 0.340 | 0.300 |
| Synthetic Organic Compounds (ppb) | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Volatile Organic Compounds (ppb) | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-WAIA6978 | A1-WAIK2225 | | A1-WAIK2229 | A1-WAIK2255 | A1-WAIK2260 | A1-WAIP2142 | A1-WAIP2144 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence | | Residence | Residence | Residence | Residence | Residence |
| | | Address: | | 6978 Waiauau Court | 2225 Waikahe Court | | 2229 Waikahe Court | 2255 Waikahe Court | 2260 Waikahe Court | 2142 Waipuilani Court | 2144 Waipuilani Court |
| | | Field Sample ID: | | A1-TW-0001421-22144-N | A1-TW-0001442-22144-3-N | A1-TW-0001442-22144-N | A1-TW-0001445-22144-N | A1-TW-0001456-22144-N | A1-TW-0001458-22144-N | A1-TW-0000446-22144-N | A1-TW-0001478-22144-N |
| | | Sample Date: | | 2022-06-21 | 2022-06-23 | 2022-06-23 | 2022-07-20 | 2022-08-23 | 2022-07-22 | 2022-08-23 | 2022-08-23 |
| | | Sample Type: | | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-WAIA6978 | A1-WAIK2225 | | A1-WAIK2229 | A1-WAIK2255 | A1-WAIK2260 | A1-WAIP2142 | A1-WAIP2144 |
|------------------------|------------------------|----|-----|-----------------------------|----------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Residence | Residence | | Residence | Residence | Residence | Residence | Residence |
| | | | | Address: | 6978 Waiauau Court | 2225 Waikahe Court | | 2229 Waikahe Court | 2255 Waikahe Court | 2260 Waikahe Court | 2142 Waipuilani Court | 2144 Waipuilani Court |
| | | | | Field Sample ID: | A1-TW-0001421-22144-N | A1-TW-0001442-22144-3-N | A1-TW-0001442-22144-N | A1-TW-0001445-22144-N | A1-TW-0001456-22144-N | A1-TW-0001458-22144-N | A1-TW-0000446-22144-N | A1-TW-0001478-22144-N |
| | | | | Sample Date: | 2022-06-21 | 2022-06-23 | 2022-06-23 | 2022-07-20 | 2022-08-23 | 2022-07-22 | 2022-08-23 | 2022-08-23 |
| | | | | Sample Type: | N (Normal) | FD (Field Duplicate) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| | | | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Method Group | Analyte | | | | | | | | | | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | -- | -- | 0.630 | ND | 2.10 | 1.60 | 0.390 | ND | 1.10 | ND | ND |
| | Chloroform | -- | -- | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | -- | -- | ND | ND | 1.70 | 0.590 | 0.330 | ND | 0.510 | ND | ND |
| | Total Trihalomethanes | 80 | MCL | 0.630 | ND | 3.80 | 2.19 | 0.720 | ND | 1.61 | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| | | | | | |
|---|---------------------------------------|------------------------------------|---|-------------------------|-----------------------|
| Notes: | | | | | |
| ND = Not Detected | | | | | |
| ISP = Incident Specific Parameter | | | | | |
| EAL = DOH Environmental Action Level | | | | | |
| EPA MCL = EPA Maximum Contaminant Level | | | | | |
| All Results shown in Parts per Billion (ppb) | | | | | |
| § - Exceeds Screening Level | | | | | |
| -- = No Information Available | | | | | |
| N (Normal) = Full compliance sample | | | | | |
| FD (Field Duplicate) = Extra sample taken for quality control | | | | | |
| N (Grab, Resample) = Additional follow-up sample | | | | | |
| | | | | Location ID: | A1-WAIP2146 |
| | | | | Location Type: | Residence |
| | | | | Address: | 2146 Waipuilani Court |
| | | | | Field Sample ID: | A1-TW-0001479-22144-N |
| | | | | Sample Date: | 2022-08-23 |
| | | | | Sample Type: | N (Normal) |
| | | | | | A1-WAIP2154 |
| | | | | | Residence |
| | | | | | 2154 Waipuilani Court |
| | | | | | A1-TW-0001484-22144-N |
| | | | | | 2022-08-23 |
| | | | | | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 350 | 250 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND |
| | Arsenic | 10 | MCL | ND | ND |
| | Barium | 2000 | MCL | 2.00 | 1.90 |
| | Beryllium | 4 | MCL | ND | ND |
| | Cadmium | 5 | MCL | ND | ND |
| | Chromium | 100 | MCL | 1.50 | 1.60 |
| | Copper | 1300 | MCL | 18.0 | 34.3 |
| | Lead | 15 | MCL | 0.380 | ND |
| | Mercury | 2 | MCL | ND | ND |
| | Selenium | 50 | MCL | 0.490 | 0.380 |
| | Thallium | 2 | MCL | ND | ND |
| Synthetic Organic Compounds (ppb) | 1-Methylnaphthalene | 10 | EAL | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND |
| | Naphthalene | 17 | EAL | ND | ND |
| Volatile Organic Compounds (ppb) | 1,1,1-Trichloroethane | -- | -- | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-WAIP2146 | A1-WAIP2154 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|
| | | Location Type: | | Residence | Residence |
| | | Address: | | 2146 Waipuilani Court | 2154 Waipuilani Court |
| | | Field Sample ID: | | A1-TW-0001479-22144-N | A1-TW-0001484-22144-N |
| | | Sample Date: | | 2022-08-23 | 2022-08-23 |
| | | Sample Type: | | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Volatile Organic Compounds (ppb) | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | 1.50 | ND |
| | Benzene | 5 | MCL | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND |
| | o-Xylene | -- | -- | ND | ND |
| | Styrene | 100 | MCL | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND |
| | Toluene | 1000 | MCL | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND |
| | Dibromoacetic acid | -- | -- | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Residences in Zone A1

| | | | | | |
|---|------------------------|-----------------------------|----------------------------------|------------------|-----------------------|
| Notes: | | | | | |
| ND = Not Detected | | | | | |
| ISP = Incident Specific Parameter | | | | | |
| EAL = DOH Environmental Action Level | | | | | |
| EPA MCL = EPA Maximum Contaminant Level | | | | | |
| All Results shown in Parts per Billion (ppb) | | | | | |
| § - Exceeds Screening Level | | | | | |
| -- = No Information Available | | | | | |
| N (Normal) = Full compliance sample | | | | | |
| FD (Field Duplicate) = Extra sample taken for quality control | | | | | |
| N (Grab, Resample) = Additional follow-up sample | | | | | |
| | | | | Location ID: | A1-WAIP2146 |
| | | | | Location Type: | Residence |
| | | | | Address: | 2146 Waipuilani Court |
| | | | | Field Sample ID: | A1-TW-0001479-22144-N |
| | | | | Sample Date: | 2022-08-23 |
| | | | | Sample Type: | N (Normal) |
| | | | | | A1-WAIP2154 |
| | | | | | Residence |
| | | | | | 2154 Waipuilani Court |
| | | | | | A1-TW-0001484-22144-N |
| | | | | | 2022-08-23 |
| | | | | | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Haloacetic Acids (ppb) | Trichloroacetic acid | -- | -- | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND |
| | Bromoform | -- | -- | 0.320 | 0.430 |
| | Chloroform | -- | -- | ND | ND |
| | Dibromochloromethane | -- | -- | 0.290 | 0.400 |
| | Total Trihalomethanes | 80 | MCL | 0.610 | 0.830 |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-BLDG0987 | A1-BLDG0995 | A1-BLDG1033 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|---|-----------------------|
| | | Location Type: | Non-Residence | Non-Residence | Non-Residence |
| | | Address: | Building 987,SDVT-1 HEADQUARTERS | Building 995,AMPHIBIOUS OPERATIONS BLDG | Building 1033 |
| | | Field Sample ID: | A1-TW-0014260-22144-N | A1-TW-0014255-22144-N | A1-TW-0041859-22144-N |
| | | Sample Date: | 2022-06-14 | 2022-06-14 | 2022-06-14 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 520 | 490 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | 0.150 |
| | Arsenic | 10 | MCL | ND | ND |
| | Barium | 2000 | MCL | 2.00 | 2.10 |
| | Beryllium | 4 | MCL | ND | ND |
| | Cadmium | 5 | MCL | ND | ND |
| | Chromium | 100 | MCL | 0.840 | 1.20 |
| | Copper | 1300 | MCL | 90.6 | 52.2 |
| | Lead | 15 | MCL | 0.380 | ND |
| | Mercury | 2 | MCL | ND | ND |
| | Selenium | 50 | MCL | ND | ND |
| | Thallium | 2 | MCL | 0.0650 | 0.200 |
| Synthetic Organic Compounds (ppb) | 1-Methylnaphthalene | 10 | EAL | ND | ND |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | 1.90 | ND |
| | Naphthalene | 17 | EAL | ND | ND |
| Volatile Organic Compounds (ppb) | 1,1,1-Trichloroethane | -- | -- | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-BLDG0987 | A1-BLDG0995 | A1-BLDG1033 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|---|-----------------------|
| | | Location Type: | Non-Residence | Non-Residence | Non-Residence |
| | | Address: | Building 987,SDVT-1 HEADQUARTERS | Building 995,AMPHIBIOUS OPERATIONS BLDG | Building 1033 |
| | | Field Sample ID: | A1-TW-0014260-22144-N | A1-TW-0014255-22144-N | A1-TW-0041859-22144-N |
| | | Sample Date: | 2022-06-14 | 2022-06-14 | 2022-06-14 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Volatile Organic Compounds (ppb) | 1,1-Dichloroethene | 7 | MCL | ND | ND |
| | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND |
| | 1,2-Dichloroethane | 5 | MCL | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND |
| | Benzene | 5 | MCL | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND |
| | o-Xylene | -- | -- | ND | ND |
| | Styrene | 100 | MCL | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND |
| | Toluene | 1000 | MCL | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Other Buildings in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-BLDG0987 | A1-BLDG0995 | A1-BLDG1033 |
|------------------------|------------------------|-----------------------------|----------------------------------|---|-----------------------|
| | | Location Type: | Non-Residence | Non-Residence | Non-Residence |
| | | Address: | Building 987,SDVT-1 HEADQUARTERS | Building 995,AMPHIBIOUS OPERATIONS BLDG | Building 1033 |
| | | Field Sample ID: | A1-TW-0014260-22144-N | A1-TW-0014255-22144-N | A1-TW-0041859-22144-N |
| | | Sample Date: | 2022-06-14 | 2022-06-14 | 2022-06-14 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | |
| Haloacetic Acids (ppb) | Dibromoacetic acid | -- | -- | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND |
| | Trichloroacetic acid | -- | -- | ND | ND |
| | Total Haloacetic acids | 60 | MCL | ND | ND |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | ND | ND |
| | Bromoform | -- | -- | ND | 1.00 |
| | Chloroform | -- | -- | ND | ND |
| | Dibromochloromethane | -- | -- | ND | 0.850 |
| | Total Trihalomethanes | 80 | MCL | ND | 1.85 |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | | A1-HYD0402 | A1-HYD2253 | A1-HYD2254 | A1-HYD2431 | A1-HYD55B | A1-HYD72 |
|-----------------------------------|---------------------------------------|-----------------------------|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | Location Type: | | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant |
| | | Address: | | SA-DFH 57 | SA-AFH 35 | FH ID: SA-AFH 7 | SA-AFH 60 | Hydrant 55B | Hydrant 72 |
| | | Field Sample ID: | | A1-DL-0016026-22144 -N | A1-DL-0016024-22144 -N | A1-DL-0000510-22144 -N | A1-DL-0016023-22144 -N | A1-DL-0016025-22144 -N | A1-DL-0016027-22144 -N |
| | | Sample Date: | | 2022-10-11 | 2022-10-11 | 2022-10-11 | 2022-09-23 | 2022-09-23 | 2022-09-23 |
| | | Sample Type: | | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | | |
| Field Test (ppb) | Free Chlorine | 4000 | MCL | 50.0 | 150 | 460 | 130 | 470 | 260 |
| General Chemistry (ppb) | Total Organic Carbon | 2000 | ISP | ND | ND | ND | ND | ND | ND |
| Hydrocarbons (ppb) | Petroleum Hydrocarbons (as Diesel) | -- | -- | ND | ND | ND | ND | 77.4 | ND |
| | Petroleum Hydrocarbons (as Gasoline) | -- | -- | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons (as Motor Oil) | -- | -- | ND | ND | ND | ND | ND | ND |
| | Petroleum Hydrocarbons, Total | 266 | ISP | ND | ND | ND | ND | 77.4 | ND |
| Metals (ppb) | Antimony | 6 | MCL | ND | ND | ND | ND | ND | ND |
| | Arsenic | 10 | MCL | ND | ND | ND | ND | ND | ND |
| | Barium | 2000 | MCL | 5.30 | 2.20 | 2.30 | 1.50 | 1.90 | 3.10 |
| | Beryllium | 4 | MCL | ND | ND | ND | ND | ND | ND |
| | Cadmium | 5 | MCL | ND | ND | ND | ND | ND | ND |
| | Chromium | 100 | MCL | 2.30 | 1.80 | 2.00 | 1.50 | 1.80 | ND |
| | Mercury | 2 | MCL | ND | ND | ND | ND | ND | ND |
| | Selenium | 50 | MCL | ND | ND | ND | ND | ND | ND |
| | Thallium | 2 | MCL | ND | ND | ND | ND | ND | ND |
| Synthetic Organic Compounds (ppb) | 1-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | 0.330 |
| | 2-Methylnaphthalene | 10 | EAL | ND | ND | ND | ND | ND | 0.250 |
| | Benzo(a)pyrene | 0.2 | MCL | ND | ND | ND | ND | ND | ND |
| | Bis(2-ethylhexyl)phthalate | 6 | MCL | ND | ND | ND | ND | ND | ND |
| | Naphthalene | 17 | EAL | ND | ND | ND | ND | ND | 1.20 |
| Volatile Organic Compounds (ppb) | 1,1,1-Trichloroethane | -- | -- | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | 5 | MCL | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethene | 7 | MCL | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | 70 | MCL | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | 600 | MCL | ND | ND | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | Location ID: | A1-HYD0402 | A1-HYD2253 | A1-HYD2254 | A1-HYD2431 | A1-HYD55B | A1-HYD72 |
|----------------------------------|----------------------------|-----------------------------|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | Location Type: | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant |
| | | Address: | SA-DFH 57 | SA-AFH 35 | FH ID: SA-AFH 7 | SA-AFH 60 | Hydrant 55B | Hydrant 72 |
| | | Field Sample ID: | A1-DL-0016026-22144 -N | A1-DL-0016024-22144 -N | A1-DL-0000510-22144 -N | A1-DL-0016023-22144 -N | A1-DL-0016025-22144 -N | A1-DL-0016027-22144 -N |
| | | Sample Date: | 2022-10-11 | 2022-10-11 | 2022-10-11 | 2022-09-23 | 2022-09-23 | 2022-09-23 |
| | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| Method Group | Analyte | DOH Project Screening Level | Basis of Project Screening Level | | | | | |
| Volatile Organic Compounds (ppb) | 1,2-Dichloroethane | 5 | MCL | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethene (Total) | 70 | MCL | ND | ND | ND | ND | ND |
| | 1,2-Dichloropropane | 5 | MCL | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | 75 | MCL | ND | ND | ND | ND | ND |
| | Benzene | 5 | MCL | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | 5 | MCL | ND | ND | ND | ND | ND |
| | Chlorobenzene | 100 | MCL | ND | ND | ND | ND | ND |
| | cis-1,2-Dichloroethene | 70 | MCL | ND | ND | ND | ND | ND |
| | Ethylbenzene | 700 | MCL | ND | ND | ND | ND | ND |
| | m,p-Xylene | -- | -- | ND | ND | ND | ND | ND |
| | Methylene chloride | 5 | MCL | ND | ND | ND | ND | ND |
| | o-Xylene | -- | -- | ND | ND | ND | ND | ND |
| | Styrene | 100 | MCL | ND | ND | ND | ND | ND |
| | Tetrachloroethene (PCE) | 5 | MCL | ND | ND | ND | ND | ND |
| | Toluene | 1000 | MCL | ND | ND | ND | ND | ND |
| | trans-1,2-Dichloroethene | 100 | MCL | ND | ND | ND | ND | ND |
| | Trichloroethene (TCE) | 5 | MCL | ND | ND | ND | ND | ND |
| | Vinyl chloride | 2 | MCL | ND | ND | ND | ND | ND |
| | Xylenes, Total | 10000 | MCL | ND | ND | ND | ND | ND |
| Haloacetic Acids (ppb) | Bromoacetic acid | -- | -- | ND | ND | ND | ND | ND |
| | Chloroacetic acid | -- | -- | ND | ND | ND | ND | ND |
| | Dibromoacetic acid | -- | -- | 3.60 | ND | ND | ND | ND |
| | Dichloroacetic acid | -- | -- | ND | ND | ND | ND | ND |
| | Trichloroacetic acid | -- | -- | ND | ND | ND | ND | ND |
| | Total Haloacetic acids | 60 | MCL | 3.60 | ND | ND | ND | ND |

Summary of Chemistry Results
Zone A1 Long Term Monitoring
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in June-December 2022 from Fire Hydrants in Zone A1

| |
|---|
| Notes: |
| ND = Not Detected |
| ISP = Incident Specific Parameter |
| EAL = DOH Environmental Action Level |
| EPA MCL = EPA Maximum Contaminant Level |
| All Results shown in Parts per Billion (ppb) |
| § - Exceeds Screening Level |
| -- = No Information Available |
| N (Normal) = Full compliance sample |
| FD (Field Duplicate) = Extra sample taken for quality control |
| N (Grab, Resample) = Additional follow-up sample |

| | | | | Location ID: | A1-HYD0402 | A1-HYD2253 | A1-HYD2254 | A1-HYD2431 | A1-HYD55B | A1-HYD72 |
|-----------------------|-----------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | Location Type: | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant | Hydrant |
| | | | | Address: | SA-DFH 57 | SA-AFH 35 | FH ID: SA-AFH 7 | SA-AFH 60 | Hydrant 55B | Hydrant 72 |
| | | | | Field Sample ID: | A1-DL-0016026-22144-N | A1-DL-0016024-22144-N | A1-DL-0000510-22144-N | A1-DL-0016023-22144-N | A1-DL-0016025-22144-N | A1-DL-0016027-22144-N |
| | | | | Sample Date: | 2022-10-11 | 2022-10-11 | 2022-10-11 | 2022-09-23 | 2022-09-23 | 2022-09-23 |
| | | | | Sample Type: | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) | N (Normal) |
| | | DOH Project Screening Level | Basis of Project Screening Level | | | | | | | |
| Method Group | Analyte | | | | | | | | | |
| Trihalomethanes (ppb) | Bromodichloromethane | -- | -- | 2.00 | 0.330 | ND | ND | ND | ND | |
| | Bromoform | -- | -- | 18.6 | 4.80 | 0.400 | 2.00 | ND | ND | |
| | Chloroform | -- | -- | 0.440 | ND | ND | ND | ND | ND | |
| | Dibromochloromethane | -- | -- | 7.20 | 1.20 | 0.330 | 0.610 | ND | ND | |
| | Total Trihalomethanes | 80 | MCL | 28.2 | 6.33 | 0.730 | 2.61 | ND | ND | |