



**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| <b>Notes:</b>  |
| ND = Not Detected  |
| ISP = Incident Specific Parameter  |
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| All Results shown in Parts per Billion (ppb), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
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| § - Exceeds Screening Level  |
| -- = No Information Available  |
| N (Normal) = Full compliance sample  |
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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       | H3-ABEL0193<br>Residence<br>193 Abelia Place |                                  |                         |                           | H3-BITT1601<br>Residence<br>1601 Bittersweet Place |                         | H3-BLAC1706<br>Residence<br>1706 Blackhaw Place |                         |
|----------------------------------|-----------------------|--|----------------------------------|-------------------------|---------------------------|--|-------------------------|---|-------------------------|
|                                  |                       | H3-TW-0011937-24092-A                        | H3-TW-0011937-24092-3-A          | H3-TW-0011937-24092-A-H | H3-TW-0011937-24092-3-A-H | H3-TW-0013870-24092-A                              | H3-TW-0013870-24092-A-H | H3-TW-0011925-24092-A                           | H3-TW-0011925-24092-A-H |
|                                  |                       | 2024-05-24                                   | 2024-05-24                       | 2024-05-24              | 2024-05-24                | 2024-06-13   | 2024-06-13              | 2024-06-12                                      | 2024-06-12              |
|                                  |                       | N (Normal)                                   | FD (Field Duplicate)             | N (Normal)              | FD (Field Duplicate)      | N (Normal)   | N (Normal)              | N (Normal)                                      | N (Normal)              |
| Method Group                     | Analyte               | DOH Project Screening Level                  | Basis of Project Screening Level |                         |                           |  |                         |   |                         |
| Volatile Organic Compounds (ppb) | Benzene               | 5  | MCL                              | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | Ethylbenzene          | 700  | MCL                              | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | m,p-Xylene            | --   | --                               | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | o-Xylene              | --   | --                               | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | Toluene               | 1000   | MCL                              | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | Xylenes, Total        | 10000  | MCL                              | ND                      | ND                        | --   | --                      | ND  | --                      |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --   | --                               | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | Bromoform             | --   | --                               | 0.560                   | 0.570                     | --   | --                      | 0.560   | 0.610                   |
|                                  | Chloroform            | --   | --                               | ND                      | ND                        | --   | --                      | ND  | --                      |
|                                  | Dibromochloromethane  | --   | --                               | 0.450                   | 0.440                     | --   | --                      | 0.480   | 0.510                   |
|                                  | Total Trihalomethanes | 80   | MCL                              | 1.01                    | 1.01                      | --   | --                      | 1.04  | 1.12                    |

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**Zone H3**  
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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|   |                                      | Location ID:                |                                  | H3-BLAC1713           |                         | H3-BLAC1715           |                         | H3-BLAC1851           |                         | H3-BLAC1862           | H3-BOWE0190           |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-----------------------|
|   |                                      | Location Type:              |                                  | Residence             |                         | Residence             |                         | Residence             |                         | Residence             | Residence             |
|   |                                      | Address:                    |                                  | 1713 Blackhaw Place   |                         | 1715 Blackhaw Place   |                         | 1851 Blackthorn Loop  |                         | 1862 Blackthorn Loop  | 190 Bower Place       |
|   |                                      | Field Sample ID:            |                                  | H3-TW-0011924-24092-A | H3-TW-0011924-24092-A-H | H3-TW-0013885-24092-A | H3-TW-0013885-24092-A-H | H3-TW-0011926-24092-A | H3-TW-0011926-24092-A-H | H3-TW-0013896-24092-A | H3-TW-0013966-24092-A |
|   |                                      | Sample Date:                |                                  | 2024-05-24            | 2024-05-24              | 2024-06-12            | 2024-06-12              | 2024-05-28            | 2024-05-28              | 2024-04-24            | 2024-04-24            |
|   |                                      | 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 |                       |                         |                       |                         |                       |                         |                       |                       |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | --                    | --                    |
|   | E. coli                              | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | --                    | --                    |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND                    | ND                      | ND                    | ND                      | ND                    | ND                      | --                    | --                    |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 520                   | 290                     | 550                   | 420                     | 550                   | 550                     | 540                   | 660                   |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.08                  | 7.13                    | 6.93                  | 7.00                    | 7.00                  | 7.05                    | 7.18                  | 7.19                  |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.230                 | 0.260                   | 0.250                 | 0.270                   | 0.250                 | 0.200                   | 0.260                 | 0.250                 |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 26.0                  | 40.9                    | 26.8                  | 52.0                    | 27.3                  | 41.0                    | 21.1                  | 24.8                  |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.190                 | 46.6                    | 0.00                  | 0.00                    | 0.440                 | 0.410                   | 2.02                  | 0.200                 |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 53800                 | --                      | 51600                 | --                      | 55100                 | --                      | 52500                 | 52500                 |
|   | Total Organic Carbon                 | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 55.1                  | --                      | 51.9                  | --                      | 47.3                  | --                      | 81.6                  | 20.6                  |
|   | Lead                                 | 15                          | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | 0.220                 | 0.300                 |
|   | Mercury                              | 2                           | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | Naphthalene                          | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | ND                    |

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       | Location ID: H3-BLAC1713    |                                  | H3-BLAC1715             |                       | H3-BLAC1851             |                       | H3-BLAC1862             | H3-BOWE0190           |                       |       |
|----------------------------------|-----------------------|-----------------------------|----------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-----------------------|-------|
|                                  |                       | Residence                   |                                  | Residence               |                       | Residence               |                       | Residence               | Residence             |                       |       |
|                                  |                       | 1713 Blackhaw Place         |                                  | 1715 Blackhaw Place     |                       | 1851 Blackthorn Loop    |                       | 1862 Blackthorn Loop    | 190 Bower Place       |                       |       |
|                                  |                       | Field Sample ID:            | H3-TW-0011924-24092-A            | H3-TW-0011924-24092-A-H | H3-TW-0013885-24092-A | H3-TW-0013885-24092-A-H | H3-TW-0011926-24092-A | H3-TW-0011926-24092-A-H | H3-TW-0013896-24092-A | H3-TW-0013966-24092-A |       |
|                                  |                       | Sample Date:                | 2024-05-24                       | 2024-05-24              | 2024-06-12            | 2024-06-12              | 2024-05-28            | 2024-05-28              | 2024-04-24            | 2024-04-24            |       |
|                                  |                       | 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) | Benzene               | 5                           | MCL                              | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | Ethylbenzene          | 700                         | MCL                              | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | m,p-Xylene            | --                          | --                               | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | o-Xylene              | --                          | --                               | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | Toluene               | 1000                        | MCL                              | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | Xylenes, Total        | 10000                       | MCL                              | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                          | --                               | ND                      | --                    | ND                      | --                    | ND                      | --                    | 0.350                 | ND    |
|                                  | Bromoform             | --                          | --                               | 0.510                   | --                    | 0.610                   | --                    | 0.630                   | --                    | 0.820                 | 0.710 |
|                                  | Chloroform            | --                          | --                               | ND                      | --                    | ND                      | --                    | ND                      | --                    | ND                    | ND    |
|                                  | Dibromochloromethane  | --                          | --                               | 0.420                   | --                    | 0.520                   | --                    | 0.490                   | --                    | 0.780                 | 0.610 |
|                                  | Total Trihalomethanes | 80                          | MCL                              | 0.930                   | --                    | 1.13                    | --                    | 1.12                    | --                    | 1.95                  | 1.32  |

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level | Location ID:     | H3-CLAR0195           |                       |                         |                         |                           | H3-COCO0119           |                         | H3-HALA0126           |
|---|--------------------------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-------------------------|-------------------------|---------------------------|-----------------------|-------------------------|-----------------------|
|   |                                      |                             |                                  | H3-CLAR0169      | Residence             |                       |                         |                         |                           | Residence             |                         | Residence             |
|   |                                      |                             |                                  | 169 Clarey Place | 195 Clarey Place      |                       |                         |                         |                           | 119 Cocos Place       |                         | 126 Halawa View Loop  |
|   |                                      |                             |                                  | Field Sample ID: | H3-TW-0013983-24092-A | H3-TW-0011934-24092-A | H3-TW-0011934-24092-3-A | H3-TW-0011934-24092-A-H | H3-TW-0011934-24092-3-A-H | H3-TW-0013988-24092-A | H3-TW-0013988-24092-A-H | H3-TW-0014010-24092-A |
|   |                                      |                             |                                  | Sample Date:     | 2024-04-24            | 2024-05-28            | 2024-05-28              | 2024-05-28              | 2024-05-28                | 2024-06-12            | 2024-06-12              | 2024-04-24            |
|   |                                      |                             |                                  | Sample Type:     | N (Normal)            | N (Normal)            | FD (Field Duplicate)    | N (Normal)              | FD (Field Duplicate)      | N (Normal)            | N (Normal)              | N (Normal)            |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --               | Absent                | Absent                | --                      | --                      | Absent                    | --                    | --                      |                       |
|   | E. coli                              | --                          | --                               | --               | Absent                | Absent                | --                      | --                      | Absent                    | --                    | --                      |                       |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | --               | 4.00                  | 4.00                  | 2.00                    | 2.00                    | ND                        | ND                    | --                      |                       |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 310              | 600                   | --                    | 620                     | --                      | 570                       | 520                   | 680                     |                       |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.11             | 6.93                  | --                    | 7.02                    | --                      | 7.11                      | 7.12                  | 7.10                    |                       |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.270            | 0.260                 | --                    | 0.270                   | --                      | --                        | --                    | 0.240                   |                       |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 25.8             | 27.5                  | --                    | 47.8                    | --                      | --                        | --                    | 23.3                    |                       |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 1.95             | 0.420                 | --                    | 0.300                   | --                      | 0.200                     | 0.0820                | 0.00                    |                       |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 50000            | 54900                 | 56600                 | --                      | --                      | 53600                     | --                    | 50000                   |                       |
|   | Total Organic Carbon                 | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 49.7             | 15.3                  | 15.2                  | --                      | --                      | 46.2                      | --                    | 28.8                    |                       |
|   | Lead                                 | 15                          | MCL                              | 0.800            | 0.180                 | 0.180                 | --                      | --                      | 0.250                     | --                    | 0.230                   |                       |
|   | Mercury                              | 2                           | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | Naphthalene                          | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                     | Analyte               | DOH Project Screening Level | Basis of Project Screening Level | Location ID:     | H3-CLAR0195           |                       |                         |                         |                           | H3-COCO0119           |                         | H3-HALA0126           |
|----------------------------------|-----------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-------------------------|-------------------------|---------------------------|-----------------------|-------------------------|-----------------------|
|                                  |                       |                             |                                  | H3-CLAR0169      | Residence             |                       |                         |                         |                           | Residence             |                         | Residence             |
|                                  |                       |                             |                                  | 169 Clarey Place | 195 Clarey Place      |                       |                         |                         |                           | 119 Cocos Place       |                         | 126 Halawa View Loop  |
|                                  |                       |                             |                                  | Field Sample ID: | H3-TW-0013983-24092-A | H3-TW-0011934-24092-A | H3-TW-0011934-24092-3-A | H3-TW-0011934-24092-A-H | H3-TW-0011934-24092-3-A-H | H3-TW-0013988-24092-A | H3-TW-0013988-24092-A-H | H3-TW-0014010-24092-A |
|                                  |                       |                             |                                  | Sample Date:     | 2024-04-24            | 2024-05-28            | 2024-05-28              | 2024-05-28              | 2024-05-28                | 2024-06-12            | 2024-06-12              | 2024-04-24            |
|                                  |                       |                             |                                  | Sample Type:     | N (Normal)            | N (Normal)            | FD (Field Duplicate)    | N (Normal)              | FD (Field Duplicate)      | N (Normal)            | N (Normal)              | N (Normal)            |
| Volatile Organic Compounds (ppb) | Benzene               | 5                           | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | Ethylbenzene          | 700                         | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | m,p-Xylene            | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | o-Xylene              | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | Toluene               | 1000                        | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | Xylenes, Total        | 10000                       | MCL                              | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | Bromoform             | --                          | --                               | 0.540            | 0.650                 | 0.650                 | --                      | --                      | 0.590                     | --                    | 0.590                   |                       |
|                                  | Chloroform            | --                          | --                               | ND               | ND                    | ND                    | --                      | --                      | ND                        | --                    | ND                      |                       |
|                                  | Dibromochloromethane  | --                          | --                               | 0.530            | 0.490                 | 0.500                 | --                      | --                      | 0.370                     | --                    | 0.560                   |                       |
|                                  | Total Trihalomethanes | 80                          | MCL                              | 1.07             | 1.14                  | 1.15                  | --                      | --                      | 0.960                     | --                    | 1.15                    |                       |

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|   |                                      | Location ID:                | H3-HIBI0355                      | H3-HIBI0630           | H3-HIBI0670           |                         | H3-JUST0161           | H3-JUST0195           | H3-KOAP0113           |                         |        |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------------|--------|
|   |                                      | Location Type:              | Residence                        | Residence             | Residence             |                         | Residence             | Residence             | Residence             |                         |        |
|   |                                      | Address:                    | 355 Hibiscus Street              | 630 Hibiscus Street   | 670 Hibiscus Street   |                         | 161 Justicia Place    | 195 Justicia Place    | 113 Koa Place         |                         |        |
|   |                                      | Field Sample ID:            | H3-TW-0013687-24092-A            | H3-TW-0013693-24092-A | H3-TW-0011939-24092-A | H3-TW-0011939-24092-A-H | H3-TW-0011936-24092-A | H3-TW-0013724-24092-A | H3-TW-0013730-24092-A | H3-TW-0013730-24092-A-H |        |
|   |                                      | Sample Date:                | 2024-04-24                       | 2024-04-24            | 2024-05-24            | 2024-05-24              | 2024-04-24            | 2024-04-24            | 2024-05-24            | 2024-05-24              |        |
|   |                                      | 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 |                       |                       |                         |                       |                       |                       |                         |        |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --                    | --                    | Absent                  | --                    | --                    | --                    | Absent                  | --     |
|   | E. coli                              | --                          | --                               | --                    | --                    | Absent                  | --                    | --                    | --                    | Absent                  | --     |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | --                    | --                    | ND                      | ND                    | --                    | --                    | 17.0                    | 12.0   |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 390                   | 600                   | 480                     | 310                   | 550                   | 710                   | 610                     | 490    |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.14                  | 7.10                  | 7.00                    | 6.91                  | 7.02                  | 7.09                  | 7.08                    | 7.12   |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.260                 | 0.240                 | 0.250                   | 0.270                 | 0.270                 | 0.260                 | 0.230                   | 0.250  |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 24.0                  | 24.8                  | 24.7                    | 42.5                  | 24.3                  | 22.7                  | 25.8                    | 41.6   |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.870                 | 0.00                  | 0.440                   | 0.330                 | 0.830                 | 0.850                 | 0.00                    | 0.0880 |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 48800                 | 50000                 | 57900                   | --                    | 47500                 | 50000                 | 54600                   | --     |
|   | Total Organic Carbon                 | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 54.6                  | 8.20                  | 14.8                    | --                    | 35.9                  | 17.6                  | 18.2                    | --     |
|   | Lead                                 | 15                          | MCL                              | 0.620                 | 0.150                 | 0.160                   | --                    | 0.300                 | 1.30                  | ND                      | --     |
|   | Mercury                              | 2                           | MCL                              | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                    | ND                    | ND                      | --                    | 0.0140                | ND                    | ND                      | --     |
|   | Naphthalene                          | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | ND                    | ND                    | ND                      | --                    | ND                    | ND                    | ND                      | --     |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       |                             |                                  | Location ID:     | H3-HIBI0355           | H3-HIBI0630           | H3-HIBI0670           |                         | H3-JUST0161           | H3-JUST0195           | H3-KOAP0113           |                         |
|----------------------------------|-----------------------|-----------------------------|----------------------------------|------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
|                                  |                       |                             |                                  | Location Type:   | Residence             | Residence             | Residence             |                         | Residence             | Residence             | Residence             |                         |
|                                  |                       |                             |                                  | Address:         | 355 Hibiscus Street   | 630 Hibiscus Street   | 670 Hibiscus Street   |                         | 161 Justica Place     | 195 Justica Place     | 113 Koa Place         |                         |
|                                  |                       |                             |                                  | Field Sample ID: | H3-TW-0013687-24092-A | H3-TW-0013693-24092-A | H3-TW-0011939-24092-A | H3-TW-0011939-24092-A-H | H3-TW-0011936-24092-A | H3-TW-0013724-24092-A | H3-TW-0013730-24092-A | H3-TW-0013730-24092-A-H |
|                                  |                       |                             |                                  | Sample Date:     | 2024-04-24            | 2024-04-24            | 2024-05-24            | 2024-05-24              | 2024-04-24            | 2024-04-24            | 2024-05-24            | 2024-05-24              |
|                                  |                       |                             |                                  | 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) | Benzene               | 5                           | MCL                              | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | Ethylbenzene          | 700                         | MCL                              | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | m,p-Xylene            | --                          | --                               | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | o-Xylene              | --                          | --                               | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | Toluene               | 1000                        | MCL                              | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | Xylenes, Total        | 10000                       | MCL                              | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                          | --                               | 0.340            | ND                    | ND                    | --                    | 0.330                   | ND                    | ND                    | --                    |                         |
|                                  | Bromoform             | --                          | --                               | 1.20             | 0.630                 | 0.570                 | --                    | 1.00                    | 0.610                 | 0.510                 | --                    |                         |
|                                  | Chloroform            | --                          | --                               | ND               | ND                    | ND                    | --                    | ND                      | ND                    | ND                    | --                    |                         |
|                                  | Dibromochloromethane  | --                          | --                               | 0.830            | 0.490                 | 0.450                 | --                    | 0.900                   | 0.540                 | 0.420                 | --                    |                         |
|                                  | Total Trihalomethanes | 80                          | MCL                              | 2.37             | 1.12                  | 1.02                  | --                    | 2.23                    | 1.15                  | 0.930                 | --                    |                         |



**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| <b>Notes:</b>  |
| ND = Not Detected  |
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| EAL = DOH Environmental Action Level   |
| EPA MCL = EPA Maximum Contaminant Level  |
| All Results shown in Parts per Billion (ppb), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|   |                                      | Location ID:                |                                  | H3-OCTO0131           |                         | H3-OCTO0145           |                         | H3-OCTO0162           |                         | H3-OLIV0131           |                         |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|   |                                      | Location Type:              |                                  | Residence             |                         | Residence             |                         | Residence             |                         | Residence             |                         |
|   |                                      | Address:                    |                                  | 131 Octopus Lane      |                         | 145 Octopus Lane      |                         | 162 Octopus Lane      |                         | 131 Olive Place       |                         |
|   |                                      | Field Sample ID:            |                                  | H3-TW-0011911-24092-A | H3-TW-0011911-24092-A-H | H3-TW-0013745-24092-A | H3-TW-0013745-24092-A-H | H3-TW-0013757-24092-A | H3-TW-0013757-24092-A-H | H3-TW-0011922-24092-A | H3-TW-0011922-24092-A-H |
|   |                                      | Sample Date:                |                                  | 2024-06-12            | 2024-06-12              | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              | 2024-06-12            | 2024-06-12              |
|   |                                      | 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 |                       |                         |                       |                         |                       |                         |                       |                         |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | Absent                | --                      |
|   | E. coli                              | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | Absent                | --                      |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND                    | ND                      | ND                    | ND                      | ND                    | ND                      | ND                    | 4.00                    |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 210                   | 380                     | 710                   | 490                     | 710                   | 320                     | 600                   | 480                     |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.39                  | 7.16                    | 7.06                  | 7.08                    | 7.07                  | 7.15                    | 7.11                  | 7.24                    |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.250                 | 0.270                   | 0.240                 | 0.250                   | 0.230                 | 0.250                   | --                    | --                      |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 27.3                  | 47.6                    | 25.5                  | 43.5                    | 26.7                  | 36.8                    | --                    | --                      |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.0900                | 0.170                   | 0.00                  | 0.00                    | 0.00                  | 0.350                   | 0.220                 | 0.170                   |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 51500                 | --                      | 54000                 | --                      | 55200                 | --                      | 52900                 | --                      |
|   | Total Organic Carbon                 | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 45.6                  | --                      | 17.4                  | --                      | 9.90                  | --                      | 16.2                  | --                      |
|   | Lead                                 | 15                          | MCL                              | 0.220                 | --                      | 0.290                 | --                      | 0.190                 | --                      | 1.30                  | --                      |
|   | Mercury                              | 2                           | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | Naphthalene                          | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND                    | --                      |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       | Location ID: H3-OCTO0131               |                                  | H3-OCTO0145           |                         | H3-OCTO0162           |                         | H3-OLIV0131           |                         |
|----------------------------------|-----------------------|--|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|                                  |                       | Residence                              |                                  | Residence             |                         | Residence             |                         | Residence             |                         |
|                                  |                       | Address: 131 Octopus Lane              |                                  | 145 Octopus Lane      |                         | 162 Octopus Lane      |                         | 131 Olive Place       |                         |
|                                  |                       | Field Sample ID: H3-TW-0011911-24092-A | H3-TW-0011911-24092-A-H          | H3-TW-0013745-24092-A | H3-TW-0013745-24092-A-H | H3-TW-0013757-24092-A | H3-TW-0013757-24092-A-H | H3-TW-0011922-24092-A | H3-TW-0011922-24092-A-H |
|                                  |                       | Sample Date: 2024-06-12                | 2024-06-12                       | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              | 2024-06-12            | 2024-06-12              |
|                                  |                       | 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) | Benzene               | 5                                      | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Ethylbenzene          | 700                                    | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | m,p-Xylene            | --                                     | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | o-Xylene              | --                                     | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Toluene               | 1000                                   | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Xylenes, Total        | 10000                                  | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                                     | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Bromoform             | --                                     | --                               | 1.10                  | --                      | 0.520                 | --                      | 0.650                 | 0.380                   |
|                                  | Chloroform            | --                                     | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Dibromochloromethane  | --                                     | --                               | 0.860                 | --                      | 0.420                 | --                      | 0.500                 | 0.260                   |
|                                  | Total Trihalomethanes | 80                                     | MCL                              | 1.96                  | --                      | 0.940                 | --                      | 1.15                  | 0.640                   |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|   |                                      | Location ID: H3-OLIV0144    |                                  | H3-OLIV0150           |                         | H3-OLIV0164           |                         | H3-ORIG0123           |                         |        |       |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|--------|-------|
|   |                                      | Residence                   |                                  | Residence             |                         | Residence             |                         | Residence             |                         |        |       |
|   |                                      | 144 Olive Place             |                                  | 150 Olive Place       |                         | 164 Olive Place       |                         | 123 Orig Place        |                         |        |       |
|   |                                      | H3-TW-0011921-24092-A       | H3-TW-0011921-24092-A-H          | H3-TW-0013773-24092-A | H3-TW-0013773-24092-A-H | H3-TW-0013777-24092-A | H3-TW-0013777-24092-A-H | H3-TW-0013783-24092-A | H3-TW-0013783-24092-A-H |        |       |
|   |                                      | 2024-05-24                  | 2024-05-24                       | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              |        |       |
|   |                                      | 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 |                       |                         |                       |                         |                       |                         |        |       |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | Absent | --    |
|   | E. coli                              | --                          | --                               | Absent                | --                      | Absent                | --                      | Absent                | --                      | Absent | --    |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND                    | ND                      | ND                    | 2.00                    | ND                    | ND                      | ND     | ND    |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 630                   | 550                     | 660                   | 360                     | 520                   | 750                     | 610    | 520   |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.08                  | 7.22                    | 7.08                  | 7.21                    | 7.02                  | 6.96                    | 7.02   | 7.06  |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.230                 | 0.260                   | 0.230                 | 0.240                   | 0.250                 | 0.270                   | 0.250  | 0.270 |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 24.8                  | 41.7                    | 25.4                  | 37.6                    | 26.1                  | 41.5                    | 24.9   | 39.9  |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.0660                | 0.290                   | 0.340                 | 0.390                   | 0.980                 | 0.720                   | 0.610  | 0.170 |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 52100                 | --                      | 53700                 | --                      | 52600                 | --                      | 54800  | --    |
|   | Total Organic Carbon                 | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 6.10                  | --                      | 6.90                  | --                      | 4.90                  | --                      | 38.7   | --    |
|   | Lead                                 | 15                          | MCL                              | 0.600                 | --                      | 0.870                 | --                      | 0.210                 | --                      | 0.280  | --    |
|   | Mercury                              | 2                           | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | Naphthalene                          | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      | ND     | --    |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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|--|
| <b>Notes:</b>  |
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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - Exceeds Screening Level  |
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| N (Grab, Resample) = Additional follow-up sample   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       | Location ID: H3-OLIV0144    |                                  | H3-OLIV0150           |                         | H3-OLIV0164           |                         | H3-ORIG0123           |                         |
|----------------------------------|-----------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
|                                  |                       | Residence                   |                                  | Residence             |                         | Residence             |                         | Residence             |                         |
|                                  |                       | 144 Olive Place             |                                  | 150 Olive Place       |                         | 164 Olive Place       |                         | 123 Orig Place        |                         |
|                                  |                       | H3-TW-0011921-24092-A       | H3-TW-0011921-24092-A-H          | H3-TW-0013773-24092-A | H3-TW-0013773-24092-A-H | H3-TW-0013777-24092-A | H3-TW-0013777-24092-A-H | H3-TW-0013783-24092-A | H3-TW-0013783-24092-A-H |
|                                  |                       | 2024-05-24                  | 2024-05-24                       | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              | 2024-05-24            | 2024-05-24              |
|                                  |                       | 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) | Benzene               | 5                           | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Ethylbenzene          | 700                         | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | m,p-Xylene            | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | o-Xylene              | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Toluene               | 1000                        | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Xylenes, Total        | 10000                       | MCL                              | ND                    | --                      | ND                    | --                      | ND                    | --                      |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Bromoform             | --                          | --                               | 0.490                 | --                      | 0.530                 | --                      | 0.540                 | --                      |
|                                  | Chloroform            | --                          | --                               | ND                    | --                      | ND                    | --                      | ND                    | --                      |
|                                  | Dibromochloromethane  | --                          | --                               | 0.370                 | --                      | 0.420                 | --                      | 0.420                 | --                      |
|                                  | Total Trihalomethanes | 80                          | MCL                              | 0.860                 | --                      | 0.950                 | --                      | 0.960                 | --                      |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level | H3-ORIG0123<br>Residence<br>123 Orig Place |              | H3-ORIG0124<br>Residence<br>124 Orig Place |                  | H3-ORIG0132<br>Residence<br>132 Orig Place | H3-POIN1901<br>Residence<br>1901 Point Welcome Place |                  |              |
|---|--------------------------------------|-----------------------------|----------------------------------|--|--------------|--|------------------|--|--|------------------|--------------|
|   |                                      |                             |                                  | Field Sample ID:                           | Sample Date: | Sample Type:                               | Field Sample ID: | Sample Date:                               | Sample Type:   | Field Sample ID: | Sample Date: |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | Absent                                     | --           | Absent                                     | --               | --   | Absent   | Absent           | --           |
|   | E. coli                              | --                          | --                               | Absent                                     | --           | Absent                                     | --               | --   | Absent   | Absent           | --           |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND   | ND           | 4.00                                       | ND               | --   | ND   | ND               | ND           |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 620  | 600          | 530  | 520              | 230  | 840  | --               | --           |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.25                                       | 7.22         | 7.11                                       | 7.26             | 7.11                                       | 7.09   | --               | --           |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | --   | --           | 0.250                                      | 0.270            | 0.260                                      | 0.220  | --               | --           |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | --   | --           | 28.4                                       | 53.1             | 23.1                                       | 25.7   | --               | --           |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.230                                      | 0.00         | 0.410                                      | 0.710            | 0.0150                                     | 0.260  | --               | --           |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | --   | --           | 52200                                      | --               | 51300                                      | 53400  | 50700            | --           |
|   | Total Organic Carbon                 | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | --   | --           | 18.3                                       | --               | 33.3                                       | 58.6   | 57.2             | --           |
|   | Lead                                 | 15                          | MCL                              | --   | --           | 0.710                                      | --               | ND   | ND   | ND               | --           |
|   | Mercury                              | 2                           | MCL                              | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | 2-Methylnaphthalene                  | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
|   | Naphthalene                          | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | --   | --           | ND   | --               | ND   | ND   | ND               | --           |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| Parts per Million (ppm)  |
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| § - Exceeds Screening Level  |
| -- = No Information Available  |
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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                     | Analyte                | DOH Project Screening Level | Basis of Project Screening Level | H3-ORIG0123  |                | H3-ORIG0124    |                          | H3-ORIG0132  | H3-POIN1901  |             |           |                  |                       |              |            |             |           |                |                       |            |            |             |           |                          |                       |            |            |                         |            |                      |                           |            |                      |       |       |       |       |       |       |
|----------------------------------|------------------------|-----------------------------|----------------------------------|--------------|----------------|----------------|--------------------------|--------------|--------------|-------------|-----------|------------------|-----------------------|--------------|------------|-------------|-----------|----------------|-----------------------|------------|------------|-------------|-----------|--------------------------|-----------------------|------------|------------|-------------------------|------------|----------------------|---------------------------|------------|----------------------|-------|-------|-------|-------|-------|-------|
|                                  |                        |                             |                                  | Location ID: | Location Type: | Address:       | Field Sample ID:         | Sample Date: | Sample Type: | Residence   | Address:  | Field Sample ID: | Sample Date:          | Sample Type: |            |             |           |                |                       |            |            |             |           |                          |                       |            |            |                         |            |                      |                           |            |                      |       |       |       |       |       |       |
|                                  |                        |                             |                                  | H3-ORIG0123  | Residence      | 123 Orig Place | H3-TW-0013783-24092-A-R1 | 2024-05-31   | N (Normal)   | H3-ORIG0124 | Residence | 124 Orig Place   | H3-TW-0013784-24092-A | 2024-06-12   | N (Normal) | H3-ORIG0132 | Residence | 132 Orig Place | H3-TW-0013789-24092-A | 2024-04-22 | N (Normal) | H3-POIN1901 | Residence | 1901 Point Welcome Place | H3-TW-0013898-24092-A | 2024-05-24 | N (Normal) | H3-TW-0013898-24092-3-A | 2024-05-24 | FD (Field Duplicate) | H3-TW-0013898-24092-3-A-H | 2024-05-24 | FD (Field Duplicate) |       |       |       |       |       |       |
| Volatile Organic Compounds (ppb) | 1,3,5-Trimethylbenzene | --                          | --                               | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    |       |       |
|                                  | Benzene                | 5                           | MCL                              | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    |       |       |       |
|                                  | Ethylbenzene           | 700                         | MCL                              | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    |       |       |
|                                  | m,p-Xylene             | --                          | --                               | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    |       |       |
|                                  | o-Xylene               | --                          | --                               | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    | ND    |       |
|                                  | Toluene                | 1000                        | MCL                              | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    | ND    |       |
|                                  | Xylenes, Total         | 10000                       | MCL                              | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    | ND    |       |
| Trihalomethanes (ppb)            | Bromodichloromethane   | --                          | --                               | --           | --             | --             | ND                       | --           | 0.420        | ND          | ND        | 0.420            | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    | ND    |       |
|                                  | Bromoform              | --                          | --                               | --           | --             | --             | 0.600                    | --           | 6.10         | 0.770       | 0.790     | 0.770            | 0.790                 | 0.770        | 0.790      | 0.770       | 0.790     | 0.770          | 0.790                 | 0.770      | 0.790      | 0.770       | 0.790     | 0.770                    | 0.790                 | 0.770      | 0.790      | 0.770                   | 0.790      | 0.770                | 0.790                     | 0.770      | 0.790                | 0.770 | 0.790 | 0.770 | 0.790 | 0.770 | 0.790 |
|                                  | Chloroform             | --                          | --                               | --           | --             | --             | ND                       | --           | ND           | ND          | ND        | ND               | ND                    | ND           | ND         | ND          | ND        | ND             | ND                    | ND         | ND         | ND          | ND        | ND                       | ND                    | ND         | ND         | ND                      | ND         | ND                   | ND                        | ND         | ND                   | ND    | ND    | ND    | ND    | ND    | ND    |
|                                  | Dibromochloromethane   | --                          | --                               | --           | --             | --             | 0.430                    | --           | 1.70         | 0.650       | 0.650     | 0.650            | 0.650                 | 0.650        | 0.650      | 0.650       | 0.650     | 0.650          | 0.650                 | 0.650      | 0.650      | 0.650       | 0.650     | 0.650                    | 0.650                 | 0.650      | 0.650      | 0.650                   | 0.650      | 0.650                | 0.650                     | 0.650      | 0.650                | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 |
|                                  | Total Trihalomethanes  | 80                          | MCL                              | --           | --             | --             | 1.03                     | --           | 8.22         | 1.42        | 1.44      | 1.42             | 1.44                  | 1.42         | 1.44       | 1.42        | 1.44      | 1.42           | 1.44                  | 1.42       | 1.44       | 1.42        | 1.44      | 1.42                     | 1.44                  | 1.42       | 1.44       | 1.42                    | 1.44       | 1.42                 | 1.44                      | 1.42       | 1.44                 | 1.42  | 1.44  | 1.42  | 1.44  | 1.42  | 1.44  |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level | Location ID:             | H3-POIN2004              |                       |                         |                          |                            | H3-POIN2005              |                         | H3-POIN2017              |
|---|--------------------------------------|-----------------------------|----------------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|----------------------------|--------------------------|-------------------------|--------------------------|
|   |                                      |                             |                                  | H3-POIN1901              | Residence                |                       |                         |                          |                            | Residence                |                         | Residence                |
|   |                                      |                             |                                  | 1901 Point Welcome Place | 2004 Point Welcome Place |                       |                         |                          |                            | 2005 Point Welcome Place |                         | 2017 Point Welcome Place |
|   |                                      |                             |                                  | Field Sample ID:         | H3-TW-0013898-24092-A-H  | H3-TW-0011928-24092-A | H3-TW-0011928-24092-A-H | H3-TW-0011928-24092-A-R1 | H3-TW-0011928-24092-A-H-R1 | H3-TW-0013904-24092-A    | H3-TW-0013904-24092-A-H | H3-TW-0013914-24092-A    |
|   |                                      |                             |                                  | Sample Date:             | 2024-05-24               | 2024-05-24            | 2024-05-24              | 2024-06-10               | 2024-06-10                 | 2024-06-12               | 2024-06-12              | 2024-06-12               |
|   |                                      |                             |                                  | Sample Type:             | N (Normal)               | N (Normal)            | N (Normal)              | N (Normal)               | N (Normal)                 | N (Normal)               | N (Normal)              | N (Normal)               |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --                       | Absent                   | --                    | Absent                  | --                       | Absent                     | --                       | Absent                  |                          |
|   | E. coli                              | --                          | --                               | --                       | Absent                   | --                    | Absent                  | --                       | Absent                     | --                       | Absent                  |                          |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND                       | ND                       | ND                    | 248                     | ND                       | ND                         | ND                       | ND                      |                          |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 940                      | 440                      | 160                   | 590                     | 340                      | 450                        | 310                      | 250                     |                          |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.02                     | 7.03                     | 7.61                  | 7.10                    | 7.38                     | 7.16                       | 7.17                     | 7.14                    |                          |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.270                    | 0.230                    | 0.280                 | --                      | --                       | 0.260                      | 0.270                    | 0.260                   |                          |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 48.7                     | 27.1                     | 40.5                  | --                      | --                       | 28.2                       | 45.5                     | 28.5                    |                          |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.280                    | 0.390                    | 0.450                 | 2.73                    | 0.0180                   | 0.0430                     | 0.840                    | 0.0170                  |                          |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | --                       | 55200                    | --                    | --                      | --                       | 54100                      | --                       | 54700                   |                          |
|   | Total Organic Carbon                 | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | --                       | 71.4                     | --                    | --                      | --                       | 53.4                       | --                       | 76.6                    |                          |
|   | Lead                                 | 15                          | MCL                              | --                       | 0.200                    | --                    | --                      | --                       | 0.140                      | --                       | 0.310                   |                          |
|   | Mercury                              | 2                           | MCL                              | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | 2-Methylnaphthalene                  | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
|   | Naphthalene                          | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | ND                         | --                       | ND                      |                          |

**Summary of Chemistry Results**

**Zone H3**

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**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                     | Analyte                | DOH Project Screening Level | Basis of Project Screening Level | Location ID:             | H3-POIN2004              |                       |                         |                          |                            | H3-POIN2005              |                         | H3-POIN2017              |
|----------------------------------|------------------------|-----------------------------|----------------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|----------------------------|--------------------------|-------------------------|--------------------------|
|                                  |                        |                             |                                  | H3-POIN1901              | Residence                |                       |                         |                          |                            | Residence                |                         | Residence                |
|                                  |                        |                             |                                  | 1901 Point Welcome Place | 2004 Point Welcome Place |                       |                         |                          |                            | 2005 Point Welcome Place |                         | 2017 Point Welcome Place |
|                                  |                        |                             |                                  | Field Sample ID:         | H3-TW-0013898-24092-A-H  | H3-TW-0011928-24092-A | H3-TW-0011928-24092-A-H | H3-TW-0011928-24092-A-R1 | H3-TW-0011928-24092-A-H-R1 | H3-TW-0013904-24092-A    | H3-TW-0013904-24092-A-H | H3-TW-0013914-24092-A    |
|                                  |                        |                             |                                  | Sample Date:             | 2024-05-24               | 2024-05-24            | 2024-05-24              | 2024-06-10               | 2024-06-10                 | 2024-06-12               | 2024-06-12              | 2024-06-12               |
|                                  |                        |                             |                                  | Sample Type:             | N (Normal)               | N (Normal)            | N (Normal)              | N (Normal)               | N (Normal)                 | N (Normal)               | N (Normal)              | N (Normal)               |
| Volatile Organic Compounds (ppb) | 1,3,5-Trimethylbenzene | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | Benzene                | 5                           | MCL                              | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | Ethylbenzene           | 700                         | MCL                              | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | m,p-Xylene             | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | o-Xylene               | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | Toluene                | 1000                        | MCL                              | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | Xylenes, Total         | 10000                       | MCL                              | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
| Trihalomethanes (ppb)            | Bromodichloromethane   | --                          | --                               | --                       | 0.430                    | --                    | --                      | --                       | --                         | 0.520                    | --                      | 0.600                    |
|                                  | Bromoform              | --                          | --                               | --                       | 1.30                     | --                    | --                      | --                       | --                         | 1.60                     | --                      | 2.70                     |
|                                  | Chloroform             | --                          | --                               | --                       | ND                       | --                    | --                      | --                       | --                         | ND                       | --                      | ND                       |
|                                  | Dibromochloromethane   | --                          | --                               | --                       | 1.20                     | --                    | --                      | --                       | --                         | 1.40                     | --                      | 2.00                     |
|                                  | Total Trihalomethanes  | 80                          | MCL                              | --                       | 2.93                     | --                    | --                      | --                       | --                         | 3.52                     | --                      | 5.30                     |



**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level | Location ID:   | H3-POIN2021  |                         | H3-POIN2126  |                         | H3-SASS1404                                      |                         | H3-SASS1511                                      |
|---|--------------------------------------|-----------------------------|----------------------------------|--|--|-------------------------|--|-------------------------|--|-------------------------|--|
|   |                                      |                             |                                  | Location Type:                                       | Address:   | Field Sample ID:        | Sample Date:   | Sample Type:            | Field Sample ID:                                 | Sample Date:            | Sample Type:                                     |
|   |                                      |                             |                                  | H3-POIN2017<br>Residence<br>2017 Point Welcome Place | H3-POIN2021<br>Residence<br>2021 Point Welcome Place |                         | H3-POIN2126<br>Residence<br>2126 Point Welcome Place |                         | H3-SASS1404<br>Residence<br>1404 Sassafras Drive |                         | H3-SASS1511<br>Residence<br>1511 Sassafras Drive |
|   |                                      |                             |                                  | H3-TW-0013914-24092-A-H                              | H3-TW-0013917-24092-A                                | H3-TW-0013917-24092-A-H | H3-TW-0013937-24092-A                                | H3-TW-0013937-24092-A-H | H3-TW-0013940-24092-A                            | H3-TW-0013940-24092-A-H | H3-TW-0013956-24092-A                            |
|   |                                      |                             |                                  | 2024-06-12   | 2024-06-12   | 2024-06-12              | 2024-06-12   | 2024-06-12              | 2024-05-24                                       | 2024-05-24              | 2024-06-12                                       |
|   |                                      |                             |                                  | N (Normal)   | N (Normal)   | N (Normal)              | N (Normal)   | N (Normal)              | N (Normal)                                       | N (Normal)              | N (Normal)                                       |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --   | Absent   | --                      | Absent   | --                      | Absent   | --                      | Absent   |
|   | E. coli                              | --                          | --                               | --   | Absent   | --                      | Absent   | --                      | Absent   | --                      | Absent   |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | ND   | ND   | ND                      | ND   | ND                      | ND   | ND                      | ND   |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 80.0   | 360  | 170                     | 330  | 340                     | 480  | 650                     | 580  |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.15   | 7.27   | --                      | 7.18   | 7.20                    | 7.01   | 7.05                    | 7.13   |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.270  | --   | --                      | 0.250  | 0.260                   | 0.250  | 0.270                   | --   |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 43.9   | --   | --                      | 26.6   | 36.7                    | 25.4   | 40.9                    | --   |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.350  | 0.360  | --                      | 0.130  | 0.00                    | 0.350  | 0.290                   | 0.240  |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | --   | 54900  | --                      | 51900  | --                      | 52200  | --                      | 52000  |
|   | Total Organic Carbon                 | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | --   | 81.4   | --                      | 71.0   | --                      | 28.6   | --                      | 12.5   |
|   | Lead                                 | 15                          | MCL                              | --   | 0.430  | --                      | 0.160  | --                      | ND   | --                      | ND   |
|   | Mercury                              | 2                           | MCL                              | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | 2-Methylnaphthalene                  | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | --   | 0.0270   | --                      | ND   | --                      | ND   | --                      | ND   |
|   | Naphthalene                          | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | --   | ND   | --                      | ND   | --                      | ND   | --                      | ND   |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

| Method Group                     | Analyte                | DOH Project Screening Level | Basis of Project Screening Level | Location ID:   | H3-POIN2021              |                         | H3-POIN2126              |                         | H3-SASS1404           |                         | H3-SASS1511           |
|----------------------------------|------------------------|-----------------------------|----------------------------------|--|--------------------------|-------------------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
|                                  |                        |                             |                                  | Location Type:                                       | Address:                 | Field Sample ID:        | Sample Date:             | Sample Type:            | Field Sample ID:      | Sample Date:            | Sample Type:          |
|                                  |                        |                             |                                  | H3-POIN2017<br>Residence<br>2017 Point Welcome Place | 2021 Point Welcome Place |                         | 2126 Point Welcome Place |                         | 1404 Sassafras Drive  |                         | 1511 Sassafras Drive  |
|                                  |                        |                             |                                  | H3-TW-0013914-24092-A-H                              | H3-TW-0013917-24092-A    | H3-TW-0013917-24092-A-H | H3-TW-0013937-24092-A    | H3-TW-0013937-24092-A-H | H3-TW-0013940-24092-A | H3-TW-0013940-24092-A-H | H3-TW-0013956-24092-A |
|                                  |                        |                             |                                  | 2024-06-12   | 2024-06-12               | 2024-06-12              | 2024-06-12               | 2024-06-12              | 2024-05-24            | 2024-05-24              | 2024-06-12            |
|                                  |                        |                             |                                  | N (Normal)   | N (Normal)               | N (Normal)              | N (Normal)               | N (Normal)              | N (Normal)            | N (Normal)              | N (Normal)            |
| Volatile Organic Compounds (ppb) | 1,3,5-Trimethylbenzene | --                          | --                               | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Benzene                | 5                           | MCL                              | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Ethylbenzene           | 700                         | MCL                              | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | m,p-Xylene             | --                          | --                               | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | o-Xylene               | --                          | --                               | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Toluene                | 1000                        | MCL                              | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Xylenes, Total         | 10000                       | MCL                              | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
| Trihalomethanes (ppb)            | Bromodichloromethane   | --                          | --                               | --   | 0.720                    | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Bromoform              | --                          | --                               | --   | 2.70                     | --                      | 0.520                    | --                      | 0.570                 | --                      | 0.660                 |
|                                  | Chloroform             | --                          | --                               | --   | ND                       | --                      | ND                       | --                      | ND                    | --                      | ND                    |
|                                  | Dibromochloromethane   | --                          | --                               | --   | 2.00                     | --                      | 0.400                    | --                      | 0.470                 | --                      | 0.470                 |
|                                  | Total Trihalomethanes  | 80                          | MCL                              | --   | 5.42                     | --                      | 0.920                    | --                      | 1.04                  | --                      | 1.13                  |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
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| EAL = DOH Environmental Action Level   |
| EPA MCL = EPA Maximum Contaminant Level  |
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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|   |                                      | Location ID:                | H3-SASS1511                      | H3-SHOW0146           | H3-SHOW0183           | H3-VALL0595           |                         |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
|   |                                      | Location Type:              | Residence                        | Residence             | Residence             | Residence             |                         |
|   |                                      | Address:                    | 1511 Sassafras Drive             | 146 Shower Place      | 183 Shower Place      | 595 Valley View Loop  |                         |
|   |                                      | Field Sample ID:            | H3-TW-0013956-24092-A-H          | H3-TW-0011918-24092-A | H3-TW-0011919-24092-A | H3-TW-0011912-24092-A | H3-TW-0011912-24092-A-H |
|   |                                      | Sample Date:                | 2024-06-12                       | 2024-04-24            | 2024-04-24            | 2024-06-12            | 2024-06-12              |
|   |                                      | Sample Type:                | N (Normal)                       | N (Normal)            | N (Normal)            | N (Normal)            | N (Normal)              |
| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level |                       |                       |                       |                         |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --                    | --                    | --                    | Absent                  |
|   | E. coli                              | --                          | --                               | --                    | --                    | --                    | Absent                  |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | 17.0                  | --                    | --                    | ND                      |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 460                   | 670                   | 670                   | 540                     |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.13                  | 7.07                  | 7.08                  | 7.12                    |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | --                    | 0.240                 | 0.240                 | --                      |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | --                    | 23.7                  | 25.2                  | --                      |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.170                 | 0.00250               | 0.210                 | 0.150                   |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | --                    | 50000                 | 50000                 | 52100                   |
|   | Total Organic Carbon                 | --                          | --                               | --                    | ND                    | ND                    | ND                      |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | --                    | ND                    | ND                    | ND                      |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | --                    | 9.60                  | 6.30                  | 17.6                    |
|   | Lead                                 | 15                          | MCL                              | --                    | 0.920                 | 0.440                 | 0.540                   |
|   | Mercury                              | 2                           | MCL                              | --                    | ND                    | ND                    | ND                      |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | 2-Methylnaphthalene                  | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | --                    | ND                    | ND                    | ND                      |
|   | Naphthalene                          | --                          | --                               | --                    | ND                    | ND                    | ND                      |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                          | --                               | --                    | ND                    | ND                    | ND                      |
|   | 1,3,5-Trimethylbenzene               | --                          | --                               | --                    | ND                    | ND                    | ND                      |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Residences in Zone H3**

|                                  |                       | <b>Location ID:</b>                | H3-SASS1511                             | H3-SHOW0146           | H3-SHOW0183           | H3-VALL0595           |                         |    |
|----------------------------------|-----------------------|------------------------------------|---|-----------------------|-----------------------|-----------------------|-------------------------|----|
|                                  |                       | <b>Location Type:</b>              | Residence                               | Residence             | Residence             | Residence             |                         |    |
|                                  |                       | <b>Address:</b>                    | 1511 Sassafras Drive                    | 146 Shower Place      | 183 Shower Place      | 595 Valley View Loop  |                         |    |
|                                  |                       | <b>Field Sample ID:</b>            | H3-TW-0013956-24092-A-H                 | H3-TW-0011918-24092-A | H3-TW-0011919-24092-A | H3-TW-0011912-24092-A | H3-TW-0011912-24092-A-H |    |
|                                  |                       | <b>Sample Date:</b>                | 2024-06-12                              | 2024-04-24            | 2024-04-24            | 2024-06-12            | 2024-06-12              |    |
|                                  |                       | <b>Sample Type:</b>                | N (Normal)                              | N (Normal)            | N (Normal)            | N (Normal)            | N (Normal)              |    |
| <b>Method Group</b>              | <b>Analyte</b>        | <b>DOH Project Screening Level</b> | <b>Basis of Project Screening Level</b> |                       |                       |                       |                         |    |
| Volatile Organic Compounds (ppb) | Benzene               | 5                                  | MCL                                     | --                    | ND                    | ND                    | ND                      | -- |
|                                  | Ethylbenzene          | 700                                | MCL                                     | --                    | ND                    | ND                    | ND                      | -- |
|                                  | m,p-Xylene            | --                                 | --                                      | --                    | ND                    | ND                    | ND                      | -- |
|                                  | o-Xylene              | --                                 | --                                      | --                    | ND                    | ND                    | ND                      | -- |
|                                  | Toluene               | 1000                               | MCL                                     | --                    | ND                    | ND                    | ND                      | -- |
|                                  | Xylenes, Total        | 10000                              | MCL                                     | --                    | ND                    | ND                    | ND                      | -- |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                                 | --                                      | --                    | ND                    | ND                    | ND                      | -- |
|                                  | Bromoform             | --                                 | --                                      | --                    | 0.260                 | 0.500                 | 0.850                   | -- |
|                                  | Chloroform            | --                                 | --                                      | --                    | ND                    | ND                    | ND                      | -- |
|                                  | Dibromochloromethane  | --                                 | --                                      | --                    | ND                    | 0.440                 | 0.560                   | -- |
|                                  | Total Trihalomethanes | 80                                 | MCL                                     | --                    | 0.260                 | 0.940                 | 1.41                    | -- |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
|--|
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| ISP = Incident Specific Parameter  |
| EAL = DOH Environmental Action Level   |
| EPA MCL = EPA Maximum Contaminant Level  |
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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone H3**

|   |                                      | Location ID: H3-HYD1641A             |                                  |                     | H3-HYD1651A         |                     |                     | H3-HYD1664A         |                     | H3-HYD1665A |  |
|---|--------------------------------------|--------------------------------------|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|--|
|   |                                      | Location Type: Hydrant               |                                  |                     | Hydrant             |                     |                     | Hydrant             |                     | Hydrant     |  |
|   |                                      | Address: Hydrant 1641                |                                  |                     | Hydrant 1651        |                     |                     | HYD-1664A           |                     | HYD-1665A   |  |
|   |                                      | Field Sample ID: H3-DL-0017760-24092 | H3-DL-0017760-24122              | H3-DL-0017760-24153 | H3-DL-0017761-24092 | H3-DL-0017761-24122 | H3-DL-0017761-24153 | H3-DL-0000694-24092 | H3-DL-0018364-24092 |             |  |
|   |                                      | -A                                   | -A                               | -A                  | -A                  | -A                  | -A                  | -A                  | -A                  |             |  |
|   |                                      | Sample Date: 2024-04-25              | 2024-05-24                       | 2024-06-12          | 2024-04-25          | 2024-05-24          | 2024-06-12          | 2024-06-10          | 2024-06-10          |             |  |
|   |                                      | 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 |                     |                     |                     |                     |                     |                     |             |  |
| Bacterial Test (in 100 mL)                | Coliform                             | --                                   | --                               | --                  | Absent              | Absent              | --                  | Absent              | Absent              | Absent      |  |
|   | E. coli                              | --                                   | --                               | --                  | Absent              | Absent              | --                  | Absent              | Absent              | Absent      |  |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                                   | --                               | --                  | ND                  | ND                  | --                  | ND                  | ND                  | 2.00        |  |
| Field Test (ppb)                          | Free Chlorine                        | 4000                                 | MCL                              | 570                 | 630                 | 440                 | 610                 | 590                 | 450                 | 530         |  |
| Field Test (pH)                           | pH                                   | --                                   | --                               | 7.11                | 7.07                | 6.95                | 7.09                | 7.12                | 6.96                | 7.15        |  |
| Field Test (ms/cm)                        | Specific Conductivity                | --                                   | --                               | 0.250               | 0.230               | 0.250               | 0.250               | 0.230               | 0.250               | --          |  |
| Field Test (degrees Celcius)              | Temperature                          | --                                   | --                               | 25.9                | 28.1                | 27.3                | 26.1                | 26.9                | 25.7                | --          |  |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                                    | MCL                              | 0.130               | 0.00                | 0.490               | 0.450               | 0.170               | 0.0390              | 0.0180      |  |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                                   | --                               | 45000               | 51700               | 52100               | 52500               | 54300               | 52600               | --          |  |
|   | Total Organic Carbon                 | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | Petroleum Hydrocarbons (as Gasoline) | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | Petroleum Hydrocarbons (as Oil)      | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | Petroleum Hydrocarbons, Total        | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | 2-Methylnaphthalene                  | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | Benzo(a)pyrene                       | 0.2                                  | MCL                              | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | Naphthalene                          | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | 1,2-Dibromoethane (EDB)              | --                                   | --                               | --                  | --                  | ND                  | --                  | --                  | ND                  | --          |  |
|   | 1,3,5-Trimethylbenzene               | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |
|   | 2-(2-Methoxy ethoxy)ethanol          | --                                   | --                               | --                  | --                  | ND                  | --                  | --                  | ND                  | --          |  |
|   | Benzene                              | 5                                    | MCL                              | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | --          |  |

**Summary of Chemistry Results**

**Zone H3**

**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| <b>Notes:</b>  |
| 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), with the exception of Field and Bacterial Test results |
| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - 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   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone H3**

|                                  |                       | Location ID: H3-HYD1641A             |                                  |                     | H3-HYD1651A         |                     |                     | H3-HYD1664A         | H3-HYD1665A         |    |    |
|----------------------------------|-----------------------|--------------------------------------|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----|----|
|                                  |                       | Location Type: Hydrant               |                                  |                     | Hydrant             |                     |                     | Hydrant             | Hydrant             |    |    |
|                                  |                       | Address: Hydrant 1641                |                                  |                     | Hydrant 1651        |                     |                     | HYD-1664A           | HYD-1665A           |    |    |
|                                  |                       | Field Sample ID: H3-DL-0017760-24092 | H3-DL-0017760-24122              | H3-DL-0017760-24153 | H3-DL-0017761-24092 | H3-DL-0017761-24122 | H3-DL-0017761-24153 | H3-DL-0000694-24092 | H3-DL-0018364-24092 |    |    |
|                                  |                       | -A                                   | -A                               | -A                  | -A                  | -A                  | -A                  | -A                  | -A                  |    |    |
|                                  |                       | Sample Date: 2024-04-25              | 2024-05-24                       | 2024-06-12          | 2024-04-25          | 2024-05-24          | 2024-06-12          | 2024-06-10          | 2024-06-10          |    |    |
|                                  |                       | 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) | Ethylbenzene          | 700                                  | MCL                              | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | m,p-Xylene            | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | o-Xylene              | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | Toluene               | 1000                                 | MCL                              | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | Xylenes, Total        | 10000                                | MCL                              | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | Bromoform             | --                                   | --                               | 0.730               | 0.660               | 0.560               | 0.700               | 0.600               | 0.500               | -- | -- |
|                                  | Chloroform            | --                                   | --                               | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | -- | -- |
|                                  | Dibromochloromethane  | --                                   | --                               | 0.600               | 0.510               | 0.410               | 0.590               | 0.470               | 0.450               | -- | -- |
|                                  | Total Trihalomethanes | 80                                   | MCL                              | 1.33                | 1.17                | 0.970               | 1.29                | 1.07                | 0.950               | -- | -- |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
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| N (Grab, Resample) = Additional follow-up sample   |
| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone H3**

|   |                                      | <b>Location ID:</b>                |   |                     | <b>Location Type:</b>       |                     |        | <b>Address:</b>             |        |  |
|---|--------------------------------------|------------------------------------|---|---------------------|-----------------------------|---------------------|--------|-----------------------------|--------|--|
|   |                                      | H3-HYD1676A                        |   |                     | Hydrant                     |                     |        | H3-HYDTEMP123A              |        |  |
|   |                                      | Hydrant                            |   |                     | Hydrant                     |                     |        | Hydrant                     |        |  |
|   |                                      | Hydrant 1676                       |   |                     | H3-ORIG0123 Bracket Hydrant |                     |        | H3-ORIG0123 Bracket Hydrant |        |  |
|   |                                      | <b>Field Sample ID:</b>            |   |                     | <b>Sample Date:</b>         |                     |        | <b>Sample Type:</b>         |        |  |
|   |                                      | H3-DL-0017759-24092                | H3-DL-0017759-24122                     | H3-DL-0017759-24153 | H3-DL-0018358-24092         | H3-DL-0018359-24092 |        |                             |        |  |
|   |                                      | -A                                 | -A                                      | -A                  | -A                          | -A                  |        |                             |        |  |
|   |                                      | 2024-04-25                         | 2024-05-24                              | 2024-06-12          | 2024-05-31                  | 2024-05-31          |        |                             |        |  |
|   |                                      | N (Normal)                         | N (Normal)                              | N (Normal)          | N (Normal)                  | N (Normal)          |        |                             |        |  |
| <b>Method Group</b>                       | <b>Analyte</b>                       | <b>DOH Project Screening Level</b> | <b>Basis of Project Screening Level</b> |                     |                             |                     |        |                             |        |  |
| Bacterial Test (in 100 mL)                | Coliform                             | --                                 | --                                      | --                  | Absent                      | Absent              | Absent | Absent                      | Absent |  |
|   | E. coli                              | --                                 | --                                      | --                  | Absent                      | Absent              | Absent | Absent                      | Absent |  |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                                 | --                                      | --                  | ND                          | ND                  | ND     | ND                          | ND     |  |
| Field Test (ppb)                          | Free Chlorine                        | 4000                               | MCL                                     | 620                 | 600                         | 130                 | 220    | 710                         |        |  |
| Field Test (pH)                           | pH                                   | --                                 | --                                      | 7.13                | 7.15                        | 6.97                | 7.15   | 7.14                        |        |  |
| Field Test (ms/cm)                        | Specific Conductivity                | --                                 | --                                      | 0.250               | 0.230                       | 0.250               | --     | --                          |        |  |
| Field Test (degrees Celcius)              | Temperature                          | --                                 | --                                      | 27.1                | 27.7                        | 28.7                | --     | --                          |        |  |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                                  | MCL                                     | 0.530               | 0.480                       | 0.370               | 2.96   | 0.370                       |        |  |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                                 | --                                      | 50000               | 54200                       | 50900               | --     | --                          |        |  |
|   | Total Organic Carbon                 | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | Petroleum Hydrocarbons (as Gasoline) | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | Petroleum Hydrocarbons (as Oil)      | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | Petroleum Hydrocarbons, Total        | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | 2-Methylnaphthalene                  | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | Benzo(a)pyrene                       | 0.2                                | MCL                                     | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | Naphthalene                          | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
| Volatile Organic Compounds (ppb)          | 1,2,4-Trimethylbenzene               | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | 1,2-Dibromoethane (EDB)              | --                                 | --                                      | --                  | --                          | ND                  | --     | --                          |        |  |
|   | 1,3,5-Trimethylbenzene               | --                                 | --                                      | ND                  | ND                          | ND                  | --     | --                          |        |  |
|   | 2-(2-Methoxy ethoxy)ethanol          | --                                 | --                                      | --                  | --                          | ND                  | --     | --                          |        |  |

**Summary of Chemistry Results**  
**Zone H3**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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|--|
| <b>Notes:</b>  |
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| Parts per Million (ppm)  |
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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in April 2024 - June 2024 from Hydrants in Zone H3**

|                                  |                       |                             |                                  | Location ID: H3-HYD1676A             |                     |                     | H3-HYDTEMP123A              | H3-HYDTEMP123B              |
|----------------------------------|-----------------------|-----------------------------|----------------------------------|--------------------------------------|---------------------|---------------------|-----------------------------|-----------------------------|
|                                  |                       |                             |                                  | Location Type: Hydrant               |                     |                     | Hydrant                     | Hydrant                     |
|                                  |                       |                             |                                  | Address: Hydrant 1676                |                     |                     | H3-ORIG0123 Bracket Hydrant | H3-ORIG0123 Bracket Hydrant |
|                                  |                       |                             |                                  | Field Sample ID: H3-DL-0017759-24092 | H3-DL-0017759-24122 | H3-DL-0017759-24153 | H3-DL-0018358-24092         | H3-DL-0018359-24092         |
|                                  |                       |                             |                                  | -A                                   | -A                  | -A                  | -A                          | -A                          |
|                                  |                       |                             |                                  | Sample Date: 2024-04-25              | 2024-05-24          | 2024-06-12          | 2024-05-31                  | 2024-05-31                  |
|                                  |                       |                             |                                  | Sample Type: 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) | Benzene               | 5                           | MCL                              | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | Ethylbenzene          | 700                         | MCL                              | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | m,p-Xylene            | --                          | --                               | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | o-Xylene              | --                          | --                               | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | Toluene               | 1000                        | MCL                              | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | Xylenes, Total        | 10000                       | MCL                              | ND                                   | ND                  | ND                  | --                          | --                          |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                          | --                               | 0.270                                | ND                  | ND                  | --                          | --                          |
|                                  | Bromoform             | --                          | --                               | 0.790                                | 0.680               | 0.620               | --                          | --                          |
|                                  | Chloroform            | --                          | --                               | ND                                   | ND                  | ND                  | --                          | --                          |
|                                  | Dibromochloromethane  | --                          | --                               | 0.680                                | 0.530               | 0.490               | --                          | --                          |
|                                  | Total Trihalomethanes | 80                          | MCL                              | 1.74                                 | 1.21                | 1.11                | --                          | --                          |