

**Summary of Chemistry Results**  
**Zone I1**  
**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 October 2024 - December 2024 from Residences in Zone I1**

|   |                                      | Location ID:                |                                  | I1-BUTT1504               |                             | I1-BUTT1505               |                             | I1-COWS1628               |                             | I1-EAGL1308               |                             |
|---|--------------------------------------|-----------------------------|----------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|
|   |                                      | Location Type:              |                                  | Residence                 |                             | Residence                 |                             | Residence                 |                             | Residence                 |                             |
|   |                                      | Address:                    |                                  | 1504 Buttonwood Place     |                             | 1505 Buttonwood Place     |                             | 1628 Cowslip Lane         |                             | 1308 Eagle Circle         |                             |
|   |                                      | Field Sample ID:            |                                  | I1-TW-0014057-24092<br>-A | I1-TW-0014057-24092<br>-A-H | I1-TW-0014058-24092<br>-A | I1-TW-0014058-24092<br>-A-H | I1-TW-0011952-24092<br>-A | I1-TW-0011952-24092<br>-A-H | I1-TW-0014085-24092<br>-A | I1-TW-0014085-24092<br>-A-H |
|   |                                      | Sample Date:                |                                  | 2024-10-18                | 2024-10-18                  | 2024-10-18                | 2024-10-18                  | 2024-10-18                | 2024-10-18                  | 2024-10-07                | 2024-10-07                  |
|   |                                      | Sample Type:                |                                  | 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            | --                          | --                               | 15.0                      | 122                         | 14.0                      | 29.0                        | 7.00                      | 4.00                        | 9.00                      | 79.0                        |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 530                       | 440                         | 630                       | 460                         | 370                       | 480                         | 50.0                      | 860                         |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.18                      | 7.13                        | 7.19                      | 7.08                        | 7.07                      | 7.00                        | 7.45                      | 7.50                        |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.270                     | 0.290                       | 0.270                     | 0.290                       | 0.280                     | 0.300                       | 0.280                     | 0.290                       |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 25.5                      | 36.2                        | 23.2                      | 38.3                        | 25.7                      | 44.5                        | 28.1                      | 38.9                        |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.560                     | 0.0510                      | 0.00                      | 1.61                        | 0.650                     | 0.300                       | 1.14                      | 0.890                       |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 61500                     | --                          | 61200                     | --                          | 62400                     | --                          | 67300                     | --                          |
|   | 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                              | 10.9                      | --                          | 6.50                      | --                          | 13.1                      | --                          | 6.20                      | --                          |
|   | Lead                                 | 15                          | MCL                              | 0.220                     | --                          | 0.310                     | --                          | 2.90                      | --                          | 0.270                     | --                          |
|   | Mercury                              | 2                           | MCL                              | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|   | Acenaphthylene                       | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|   | Anthracene                           | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |

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| Parts per Million (ppm)  |
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| § - Exceeds Screening Level  |
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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone I1**

|                                   |                         | Location ID:                |                                  | I1-BUTT1504               |                             | I1-BUTT1505               |                             | I1-COWS1628               |                             | I1-EAGL1308               |                             |
|-----------------------------------|-------------------------|-----------------------------|----------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|
|                                   |                         | Location Type:              |                                  | Residence                 |                             | Residence                 |                             | Residence                 |                             | Residence                 |                             |
|                                   |                         | Address:                    |                                  | 1504 Buttonwood Place     |                             | 1505 Buttonwood Place     |                             | 1628 Cowslip Lane         |                             | 1308 Eagle Circle         |                             |
|                                   |                         | Field Sample ID:            |                                  | I1-TW-0014057-24092<br>-A | I1-TW-0014057-24092<br>-A-H | I1-TW-0014058-24092<br>-A | I1-TW-0014058-24092<br>-A-H | I1-TW-0011952-24092<br>-A | I1-TW-0011952-24092<br>-A-H | I1-TW-0014085-24092<br>-A | I1-TW-0014085-24092<br>-A-H |
|                                   |                         | Sample Date:                |                                  | 2024-10-18                | 2024-10-18                  | 2024-10-18                | 2024-10-18                  | 2024-10-18                | 2024-10-18                  | 2024-10-07                | 2024-10-07                  |
|                                   |                         | Sample Type:                |                                  | N (Normal)                | N (Normal)                  |
| Method Group                      | Analyte                 | DOH Project Screening Level | Basis of Project Screening Level |                           |                             |                           |                             |                           |                             |                           |                             |
| Synthetic Organic Compounds (ppb) | Benzo(b)fluoranthene    | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Benzo(g,h,i)perylene    | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Benzo(k)fluoranthene    | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Chrysene                | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Dibenz(a,h)anthracene   | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Fluorene                | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Indeno(1,2,3-c,d)pyrene | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Naphthalene             | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Phenanthrene            | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Pyrene                  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
| Volatile Organic Compounds (ppb)  | 1,2,4-Trimethylbenzene  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | 1,3,5-Trimethylbenzene  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Benzene                 | 5                           | MCL                              | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Cumene                  | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Ethylbenzene            | 700                         | MCL                              | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | m,p-Xylene              | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | n-Butylbenzene          | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | n-Propylbenzene         | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | o-Xylene                | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | sec-Butylbenzene        | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | tert-Butylbenzene       | --                          | --                               | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |
|                                   | Toluene                 | 1000                        | MCL                              | ND                        | --                          | ND                        | --                          | ND                        | --                          | ND                        | --                          |

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|----------------------------------|-----------------------|--------------------------------------|----------------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                  |                       | Residence                            |                                  | Residence             |                     | Residence           |                     | Residence           |                     |
|                                  |                       | 1504 Buttonwood Place                |                                  | 1505 Buttonwood Place |                     | 1628 Cowslip Lane   |                     | 1308 Eagle Circle   |                     |
|                                  |                       | Field Sample ID: I1-TW-0014057-24092 | I1-TW-0014057-24092              | I1-TW-0014058-24092   | I1-TW-0014058-24092 | I1-TW-0011952-24092 | I1-TW-0011952-24092 | I1-TW-0014085-24092 | I1-TW-0014085-24092 |
|                                  |                       | -A                                   | -A-H                             | -A                    | -A-H                | -A                  | -A-H                | -A                  | -A-H                |
|                                  |                       | Sample Date: 2024-10-18              | 2024-10-18                       | 2024-10-18            | 2024-10-18          | 2024-10-18          | 2024-10-18          | 2024-10-07          | 2024-10-07          |
|                                  |                       | 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) | Xylenes, Total        | 10000                                | MCL                              | ND                    | --                  | ND                  | --                  | ND                  | --                  |
| Trihalomethanes (ppb)            | Bromodichloromethane  | --                                   | --                               | 0.560                 | --                  | 0.670               | --                  | 0.540               | --                  |
|                                  | Bromoform             | --                                   | --                               | 0.430                 | --                  | 0.510               | --                  | 0.370               | --                  |
|                                  | Chloroform            | --                                   | --                               | 0.330                 | --                  | 0.380               | --                  | 0.290               | --                  |
|                                  | Dibromochloromethane  | --                                   | --                               | 0.320                 | --                  | 0.430               | --                  | 0.270               | --                  |
|                                  | Total Trihalomethanes | 80                                   | MCL                              | 1.64                  | --                  | 1.99                | --                  | 1.47                | --                  |

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**Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone I1**

|   |                                      | Location ID:                | I1-HUDS1207                      | I1-MADR1831               |                             | I1-MADR1832               |                             | I1-MADR1839               | I1-SWEE1709               | I1-TAMP1696               |
|---|--------------------------------------|-----------------------------|----------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|
|   |                                      | Location Type:              | Residence                        | Residence                 |                             | Residence                 |                             | Residence                 | Residence                 | Residence                 |
|   |                                      | Address:                    | 1207 Hudson Circle               | 1831 Madrona Place        |                             | 1832 Madrona Place        |                             | 1839 Madrona Place        | 1709 Sweetgum Place       | 1696 Tampa Drive          |
|   |                                      | Field Sample ID:            | I1-TW-0014094-24092<br>-A        | I1-TW-0011948-24092<br>-A | I1-TW-0011948-24092<br>-A-H | I1-TW-0014111-24092<br>-A | I1-TW-0014111-24092<br>-A-H | I1-TW-0014113-24092<br>-A | I1-TW-0014124-24092<br>-A | I1-TW-0014039-24092<br>-A |
|   |                                      | Sample Date:                | 2024-12-09                       | 2024-10-28                | 2024-10-28                  | 2024-10-28                | 2024-10-28                  | 2024-11-12                | 2024-11-12                | 2024-10-18                |
|   |                                      | 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            | --                          | --                               | --                        | 10.0                        | 2.00                      | 10.0                        | 2.00                      | --                        | 9.00                      |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 910                       | 690                         | 460                       | 690                         | 450                       | 410                       | 660                       |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.29                      | 7.33                        | 7.29                      | 7.26                        | 7.50                      | 7.23                      | 7.18                      |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.300                     | 0.290                       | 0.300                     | 0.300                       | 0.320                     | 0.280                     | 0.280                     |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 29.7                      | 25.4                        | 40.5                      | 27.0                        | 44.9                      | 27.7                      | 23.8                      |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.710                     | 0.00                        | 0.00                      | 0.00                        | 0.00270                   | 0.690                     | 0.890                     |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 66100                     | 65300                       | --                        | 61100                       | --                        | 65100                     | 64200                     |
|   | 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                              | 4.20                      | 5.00                        | --                        | 5.70                        | --                        | 7.40                      | 9.90                      |
|   | Lead                                 | 15                          | MCL                              | 0.210                     | 0.180                       | --                        | 0.150                       | --                        | 0.260                     | 0.190                     |
|   | 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                        |
|   | Acenaphthylene                       | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|   | Anthracene                           | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|   | Benzo(b)fluoranthene                 | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |

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|-----------------------------------|-------------------------|-----------------------------|----------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|
|                                   |                         | Location Type:              | Residence                        | Residence                 |                             | Residence                 |                             | Residence                 | Residence                 | Residence                 |
|                                   |                         | Address:                    | 1207 Hudson Circle               | 1831 Madrona Place        |                             | 1832 Madrona Place        |                             | 1839 Madrona Place        | 1709 Sweetgum Place       | 1696 Tampa Drive          |
|                                   |                         | Field Sample ID:            | I1-TW-0014094-24092<br>-A        | I1-TW-0011948-24092<br>-A | I1-TW-0011948-24092<br>-A-H | I1-TW-0014111-24092<br>-A | I1-TW-0014111-24092<br>-A-H | I1-TW-0014113-24092<br>-A | I1-TW-0014124-24092<br>-A | I1-TW-0014039-24092<br>-A |
|                                   |                         | Sample Date:                | 2024-12-09                       | 2024-10-28                | 2024-10-28                  | 2024-10-28                | 2024-10-28                  | 2024-11-12                | 2024-11-12                | 2024-10-18                |
|                                   |                         | 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 |                           |                             |                           |                             |                           |                           |                           |
| Synthetic Organic Compounds (ppb) | Benzo(g,h,i)perylene    | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Benzo(k)fluoranthene    | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Chrysene                | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Dibenz(a,h)anthracene   | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Fluorene                | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Indeno(1,2,3-c,d)pyrene | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Naphthalene             | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Phenanthrene            | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Pyrene                  | --                          | --                               | 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                        |
|                                   | Benzene                 | 5                           | MCL                              | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Cumene                  | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | Ethylbenzene            | 700                         | MCL                              | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | m,p-Xylene              | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | n-Butylbenzene          | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | n-Propylbenzene         | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | o-Xylene                | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | sec-Butylbenzene        | --                          | --                               | ND                        | ND                          | --                        | ND                          | --                        | ND                        | ND                        |
|                                   | tert-Butylbenzene       | --                          | --                               | 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    | --                          | --                               | 0.680                     | 0.710                       | --                        | 0.710                       | --                        | 0.480                     | 0.720                     |

**Summary of Chemistry Results**

**Zone I1**

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

|  |
|--|
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| Parts per Million (ppm)  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone I1**

|                       |                       | Location ID:                | I1-HUDS1207                      | I1-MADR1831               |                             | I1-MADR1832               |                             | I1-MADR1839               | I1-SWEE1709               | I1-TAMP1696               |       |
|-----------------------|-----------------------|-----------------------------|----------------------------------|---------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|-------|
|                       |                       | Location Type:              | Residence                        | Residence                 |                             | Residence                 |                             | Residence                 | Residence                 | Residence                 |       |
|                       |                       | Address:                    | 1207 Hudson Circle               | 1831 Madrona Place        |                             | 1832 Madrona Place        |                             | 1839 Madrona Place        | 1709 Sweetgum Place       | 1696 Tampa Drive          |       |
|                       |                       | Field Sample ID:            | I1-TW-0014094-24092<br>-A        | I1-TW-0011948-24092<br>-A | I1-TW-0011948-24092<br>-A-H | I1-TW-0014111-24092<br>-A | I1-TW-0014111-24092<br>-A-H | I1-TW-0014113-24092<br>-A | I1-TW-0014124-24092<br>-A | I1-TW-0014039-24092<br>-A |       |
|                       |                       | Sample Date:                | 2024-12-09                       | 2024-10-28                | 2024-10-28                  | 2024-10-28                | 2024-10-28                  | 2024-11-12                | 2024-11-12                | 2024-10-18                |       |
|                       |                       | 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 |                           |                             |                           |                             |                           |                           |                           |       |
| Trihalomethanes (ppb) | Bromoform             | --                          | --                               | 0.440                     | 0.630                       | --                        | 0.570                       | --                        | 0.430                     | 0.930                     | 0.320 |
|                       | Chloroform            | --                          | --                               | 0.350                     | 0.360                       | --                        | 0.350                       | --                        | 0.270                     | 0.490                     | 0.300 |
|                       | Dibromochloromethane  | --                          | --                               | 0.390                     | 0.510                       | --                        | 0.470                       | --                        | 0.330                     | 0.840                     | 0.250 |
|                       | Total Trihalomethanes | 80                          | MCL                              | 1.86                      | 2.21                        | --                        | 2.10                        | --                        | 1.51                      | 2.98                      | 1.43  |

**Summary of Chemistry Results**  
**Zone I1**  
**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  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone I1**

| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level | Location ID:     | I1-TAMP1699                 |  |
|---|--------------------------------------|-----------------------------|----------------------------------|------------------|-----------------------------|--|
|   |                                      |                             |                                  | Location Type:   | Residence                   | Residence  |
|   |                                      |                             |                                  | Address:         | 1696 Tampa Drive            | 1699 Tampa Drive   |
|   |                                      |                             |                                  | Field Sample ID: | I1-TW-0014039-24092<br>-A-H | I1-TW-0014042-24092<br>-A<br>I1-TW-0014042-24092<br>-A-H |
|   |                                      |                             |                                  | Sample Date:     | 2024-10-18                  | 2024-10-18<br>2024-10-18                                 |
|   |                                      |                             |                                  | Sample Type:     | N (Normal)                  | N (Normal)<br>N (Normal)                                 |
| Bacterial Test (in 100 mL)                | Coliform                             | --                          | --                               | --               | Absent                      | --   |
|   | E. coli                              | --                          | --                               | --               | Absent                      | --   |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | 3.00             | 9.00                        | 84.0   |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 520              | 630                         | 460  |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.19             | 7.12                        | 7.12   |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.300            | 0.290                       | 0.300  |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 43.1             | 30.8                        | 39.1   |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.00             | 0.810                       | 0.330  |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | --               | 64800                       | --   |
|   | Total Organic Carbon                 | --                          | --                               | --               | ND                          | --   |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | --               | ND                          | --   |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | --               | ND                          | --   |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | --               | ND                          | --   |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | --               | ND                          | --   |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | --               | 4.70                        | --   |
|   | Lead                                 | 15                          | MCL                              | --               | 0.260                       | --   |
|   | Mercury                              | 2                           | MCL                              | --               | ND                          | --   |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | --               | ND                          | --   |
|   | 2-Methylnaphthalene                  | --                          | --                               | --               | ND                          | --   |
|   | Acenaphthylene                       | --                          | --                               | --               | ND                          | --   |
|   | Anthracene                           | --                          | --                               | --               | ND                          | --   |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | --               | ND                          | --   |
|   | Benzo(b)fluoranthene                 | --                          | --                               | --               | ND                          | --   |

**Summary of Chemistry Results**

**Zone I1**

**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 October 2024 - December 2024 from Residences in Zone I1**

|                                   |                         | Location ID: I1-TAMP1696             |                                  | I1-TAMP1699         |       |
|-----------------------------------|-------------------------|--------------------------------------|----------------------------------|---------------------|-------|
|                                   |                         | Location Type: Residence             |                                  | Residence           |       |
|                                   |                         | Address: 1696 Tampa Drive            |                                  | 1699 Tampa Drive    |       |
|                                   |                         | Field Sample ID: I1-TW-0014039-24092 |                                  | I1-TW-0014042-24092 |       |
|                                   |                         | -A-H                                 |                                  | -A                  |       |
|                                   |                         | Sample Date: 2024-10-18              |                                  | 2024-10-18          |       |
|                                   |                         | Sample Type: N (Normal)              |                                  | N (Normal)          |       |
| Method Group                      | Analyte                 | DOH Project Screening Level          | Basis of Project Screening Level |                     |       |
| Synthetic Organic Compounds (ppb) | Benzo(g,h,i)perylene    | --                                   | --                               | --                  | ND    |
|                                   | Benzo(k)fluoranthene    | --                                   | --                               | --                  | ND    |
|                                   | Chrysene                | --                                   | --                               | --                  | ND    |
|                                   | Dibenz(a,h)anthracene   | --                                   | --                               | --                  | ND    |
|                                   | Fluorene                | --                                   | --                               | --                  | ND    |
|                                   | Indeno(1,2,3-c,d)pyrene | --                                   | --                               | --                  | ND    |
|                                   | Naphthalene             | --                                   | --                               | --                  | ND    |
|                                   | Phenanthrene            | --                                   | --                               | --                  | ND    |
|                                   | Pyrene                  | --                                   | --                               | --                  | ND    |
| Volatile Organic Compounds (ppb)  | 1,2,4-Trimethylbenzene  | --                                   | --                               | --                  | ND    |
|                                   | 1,3,5-Trimethylbenzene  | --                                   | --                               | --                  | ND    |
|                                   | Benzene                 | 5                                    | MCL                              | --                  | ND    |
|                                   | Cumene                  | --                                   | --                               | --                  | ND    |
|                                   | Ethylbenzene            | 700                                  | MCL                              | --                  | ND    |
|                                   | m,p-Xylene              | --                                   | --                               | --                  | ND    |
|                                   | n-Butylbenzene          | --                                   | --                               | --                  | ND    |
|                                   | n-Propylbenzene         | --                                   | --                               | --                  | ND    |
|                                   | o-Xylene                | --                                   | --                               | --                  | ND    |
|                                   | sec-Butylbenzene        | --                                   | --                               | --                  | ND    |
|                                   | tert-Butylbenzene       | --                                   | --                               | --                  | ND    |
|                                   | Toluene                 | 1000                                 | MCL                              | --                  | ND    |
| Xylenes, Total                    | 10000                   | MCL                                  | --                               | ND                  |       |
| Trihalomethanes (ppb)             | Bromodichloromethane    | --                                   | --                               | --                  | 0.310 |

**Summary of Chemistry Results**

**Zone I1**

**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  |
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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in October 2024 - December 2024 from Residences in Zone I1**

| Method Group          | Analyte               | DOH Project Screening Level | Basis of Project Screening Level | Location ID:     | I1-TAMP1699                 |  |
|-----------------------|-----------------------|-----------------------------|----------------------------------|------------------|-----------------------------|--|
|                       |                       |                             |                                  | Location Type:   | Residence                   | Residence  |
|                       |                       |                             |                                  | Address:         | 1699 Tampa Drive            |  |
|                       |                       |                             |                                  | Field Sample ID: | I1-TW-0014039-24092<br>-A-H | I1-TW-0014042-24092<br>-A<br>I1-TW-0014042-24092<br>-A-H |
|                       |                       |                             |                                  | Sample Date:     | 2024-10-18                  | 2024-10-18   |
|                       |                       |                             |                                  | Sample Type:     | N (Normal)                  | N (Normal)   |
| Trihalomethanes (ppb) | Bromoform             | --                          | --                               | --               | ND                          | --   |
|                       | Chloroform            | --                          | --                               | --               | ND                          | --   |
|                       | Dibromochloromethane  | --                          | --                               | --               | ND                          | --   |
|                       | Total Trihalomethanes | 80                          | MCL                              | --               | 0.310                       | --   |

**Summary of Chemistry Results**  
**Zone I1**  
**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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**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|   |                                      |                             |                                  | I1-ALAK1265<br>School<br>Red Hill Elementary School, 1265 Ala Kula Place |                             |                               |                             |                             |                             |                             |                             |                             |
|---|--------------------------------------|-----------------------------|----------------------------------|--|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|   |                                      |                             |                                  | Field Sample ID:   | I1-TW-0011966-24275<br>-A-1 | I1-TW-0011966-24275<br>-A-1-H | I1-TW-0011966-24275<br>-A-2 | I1-TW-0011966-24275<br>-A-3 | I1-TW-0011966-24275<br>-A-4 | I1-TW-0011966-24275<br>-A-5 | I1-TW-0011966-24306<br>-A-1 | I1-TW-0011966-24306<br>-A-5 |
|   |                                      |                             |                                  | Sample Date:   | 2024-10-07                  | 2024-10-07                    | 2024-10-07                  | 2024-10-07                  | 2024-10-07                  | 2024-10-07                  | 2024-11-12                  | 2024-11-12                  |
|   |                                      |                             |                                  | 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                      | Absent                      | Absent                      | --                          | --                          |
|   | E. coli                              | --                          | --                               | Absent   | --                          | Absent                        | Absent                      | Absent                      | Absent                      | Absent                      | --                          | --                          |
| Bacterial Test (MPN/mL)                   | Heterotrophic Plate Count            | --                          | --                               | 33.0   | 14.0                        | 50.0                          | 65.0                        | 71.0                        | 43.0                        | --                          | --                          |                             |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 460  | 370                         | 250                           | 380                         | 260                         | 370                         | 420                         | 440                         |                             |
| Field Test (pH)                           | pH                                   | --                          | --                               | 8.04   | 8.07                        | 8.05                          | 7.74                        | 8.11                        | 8.07                        | 8.12                        | 8.12                        |                             |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.270  | 0.270                       | 0.260                         | 0.320                       | 0.280                       | 0.270                       | 0.550                       | 0.280                       |                             |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 29.1   | 26.8                        | 27.1                          | 27.4                        | 26.8                        | 26.8                        | 27.0                        | 24.8                        |                             |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.00   | 0.00                        | 0.0560                        | 0.260                       | 0.220                       | 0.00                        | 0.340                       | 0.00                        |                             |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 69000  | --                          | 68600                         | 68100                       | 69400                       | 66800                       | 69200                       | 69600                       |                             |
|   | Total Organic Carbon                 | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | 200                         |                             |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 7.60   | --                          | 6.60                          | 22.4                        | 5.10                        | 10.1                        | 6.30                        | 14.4                        |                             |
|   | Lead                                 | 15                          | MCL                              | ND   | --                          | ND                            | 0.130                       | ND                          | ND                          | ND                          | ND                          |                             |
|   | Mercury                              | 2                           | MCL                              | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | Acenaphthylene                       | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |
|   | Anthracene                           | --                          | --                               | ND   | --                          | ND                            | ND                          | ND                          | ND                          | ND                          | ND                          |                             |

**Summary of Chemistry Results**  
**Zone I1**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

|  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|                                   |                         |                             |                                  | I1-ALAK1265                                     |                     |                     |                     |                     |                     |                     |                     |                     |
|-----------------------------------|-------------------------|-----------------------------|----------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                   |                         |                             |                                  | School  |                     |                     |                     |                     |                     |                     |                     |                     |
|                                   |                         |                             |                                  | Red Hill Elementary School, 1265 Ala Kula Place |                     |                     |                     |                     |                     |                     |                     |                     |
|                                   |                         |                             |                                  | Field Sample ID:                                | I1-TW-0011966-24275 | I1-TW-0011966-24275 | I1-TW-0011966-24275 | I1-TW-0011966-24275 | I1-TW-0011966-24275 | I1-TW-0011966-24275 | I1-TW-0011966-24306 | I1-TW-0011966-24306 |
|                                   |                         |                             |                                  |   | -A-1                | -A-1-H              | -A-2                | -A-3                | -A-4                | -A-5                | -A-1                | -A-5                |
|                                   |                         |                             |                                  | Sample Date:                                    | 2024-10-07          | 2024-10-07          | 2024-10-07          | 2024-10-07          | 2024-10-07          | 2024-10-07          | 2024-11-12          | 2024-11-12          |
|                                   |                         |                             |                                  | Sample Type:                                    | N (Normal)          |
| Method Group                      | Analyte                 | DOH Project Screening Level | Basis of Project Screening Level |   |                     |                     |                     |                     |                     |                     |                     |                     |
| Synthetic Organic Compounds (ppb) | Benzo(a)pyrene          | 0.2                         | MCL                              | ND  | --                  | ND                  |
|                                   | Benzo(b)fluoranthene    | --                          | --                               | ND  | --                  | ND                  |
|                                   | Benzo(g,h,i)perylene    | --                          | --                               | ND  | --                  | ND                  |
|                                   | Benzo(k)fluoranthene    | --                          | --                               | ND  | --                  | ND                  |
|                                   | Chrysene                | --                          | --                               | ND  | --                  | ND                  |
|                                   | Dibenz(a,h)anthracene   | --                          | --                               | ND  | --                  | ND                  |
|                                   | Fluorene                | --                          | --                               | ND  | --                  | ND                  |
|                                   | Indeno(1,2,3-c,d)pyrene | --                          | --                               | ND  | --                  | ND                  |
|                                   | Naphthalene             | --                          | --                               | ND  | --                  | ND                  |
|                                   | Phenanthrene            | --                          | --                               | ND  | --                  | ND                  |
| Volatile Organic Compounds (ppb)  | Pyrene                  | --                          | --                               | ND  | --                  | ND                  |
|                                   | 1,2,4-Trimethylbenzene  | --                          | --                               | ND  | --                  | ND                  |
|                                   | 1,3,5-Trimethylbenzene  | --                          | --                               | ND  | --                  | ND                  |
|                                   | Benzene                 | 5                           | MCL                              | ND  | --                  | ND                  |
|                                   | Cumene                  | --                          | --                               | ND  | --                  | ND                  |
|                                   | Ethylbenzene            | 700                         | MCL                              | ND  | --                  | ND                  |
|                                   | m,p-Xylene              | --                          | --                               | ND  | --                  | ND                  |
|                                   | n-Butylbenzene          | --                          | --                               | ND  | --                  | ND                  |
|                                   | n-Propylbenzene         | --                          | --                               | ND  | --                  | ND                  |
|                                   | o-Xylene                | --                          | --                               | ND  | --                  | ND                  |
| sec-Butylbenzene                  | --                      | --                          | ND                               | --  | ND                  |                     |

**Summary of Chemistry Results**

**Zone I1**

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

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|--|
| <b>Notes:</b>  |
| ND = Not Detected  |
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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)  |
| Parts per Thousand (ppth)  |
| § - Exceeds Screening Level  |
| -- = No Information Available  |
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| MPN/mL = Most probable number per milliliter   |

**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|                                  |                       | Location ID:                | I1-ALAK1265                                     |                               |                             |                             |                             |                             |                             |                             |  |
|----------------------------------|-----------------------|-----------------------------|---|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
|                                  |                       | Location Type:              | School  |                               |                             |                             |                             |                             |                             |                             |  |
|                                  |                       | Address:                    | Red Hill Elementary School, 1265 Ala Kula Place |                               |                             |                             |                             |                             |                             |                             |  |
|                                  |                       | Field Sample ID:            | I1-TW-0011966-24275<br>-A-1                     | I1-TW-0011966-24275<br>-A-1-H | I1-TW-0011966-24275<br>-A-2 | I1-TW-0011966-24275<br>-A-3 | I1-TW-0011966-24275<br>-A-4 | I1-TW-0011966-24275<br>-A-5 | I1-TW-0011966-24306<br>-A-1 | I1-TW-0011966-24306<br>-A-5 |  |
|                                  |                       | Sample Date:                | 2024-10-07                                      | 2024-10-07                    | 2024-10-07                  | 2024-10-07                  | 2024-10-07                  | 2024-10-07                  | 2024-11-12                  | 2024-11-12                  |  |
|                                  |                       | 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) | tert-Butylbenzene     | --                          | --  | 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  | --                          | --  | 0.900                         | --                          | 0.930                       | 0.890                       | 0.880                       | 0.980                       | 1.70                        |  |
|                                  | Bromoform             | --                          | --  | 9.50                          | --                          | 8.50                        | 8.60                        | 7.80                        | 8.70                        | 13.5                        |  |
|                                  | Chloroform            | --                          | --  | ND                            | --                          | ND                          | ND                          | ND                          | ND                          | 0.420                       |  |
|                                  | Dibromochloromethane  | --                          | --  | 3.90                          | --                          | 4.00                        | 3.70                        | 3.70                        | 4.10                        | 6.20                        |  |
|                                  | Total Trihalomethanes | 80                          | MCL   | 14.3                          | --                          | 13.4                        | 13.2                        | 12.4                        | 13.8                        | 21.8                        |  |

**Summary of Chemistry Results**  
**Zone I1**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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|--|
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| Parts per Million (ppm)  |
| Parts per Thousand (ppth)  |
| § - Exceeds Screening Level  |
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| N (Normal) = Full compliance sample  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|   |                                      |                             |                                  | I1-ALAK1265                                     |                     |                     |                     |                     |                     |                     |                     |                     |
|---|--------------------------------------|-----------------------------|----------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|   |                                      |                             |                                  | School  |                     |                     |                     |                     |                     |                     |                     |                     |
|   |                                      |                             |                                  | Red Hill Elementary School, 1265 Ala Kula Place |                     |                     |                     |                     |                     |                     |                     |                     |
|   |                                      |                             |                                  | Field Sample ID:                                | I1-TW-0011966-24306 | I1-TW-0011966-24306 | I1-TW-0011966-24306 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 |
|   |                                      |                             |                                  |   | -A-2                | -A-3                | -A-4                | -A-1                | -A-2                | -A-3                | -A-4                | -A-5                |
|   |                                      |                             |                                  | Sample Date:                                    | 2024-11-12          | 2024-11-12          | 2024-11-12          | 2024-12-02          | 2024-12-02          | 2024-12-02          | 2024-12-02          | 2024-12-02          |
|   |                                      |                             |                                  | Sample Type:                                    | N (Normal)          |
| Method Group                              | Analyte                              | DOH Project Screening Level | Basis of Project Screening Level |   |                     |                     |                     |                     |                     |                     |                     |                     |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 440   | 410                 | 640                 | 240                 | 450                 | 240                 | 480                 | 180                 |                     |
| Field Test (pH)                           | pH                                   | --                          | --                               | 8.08  | 8.11                | 8.09                | 8.14                | 8.24                | 8.14                | 8.24                | 8.41                |                     |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.280   | 0.290               | 0.280               | 0.280               | 0.260               | 0.280               | 0.280               | 0.300               |                     |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 25.3  | 26.0                | 25.1                | 26.9                | 24.9                | 26.9                | 26.4                | 23.6                |                     |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 0.170   | 1.25                | 0.00                | 1.15                | 1.16                | 1.15                | 0.840               | 0.00                |                     |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 66500   | 68500               | 69700               | 57800               | 70800               | 69800               | 72100               | 71400               |                     |
|   | Total Organic Carbon                 | --                          | --                               | 200   | 200                 | 210                 | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
| Hydrocarbons (ppb)                        | Petroleum Hydrocarbons (as Diesel)   | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Petroleum Hydrocarbons (as Gasoline) | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Petroleum Hydrocarbons (as Oil)      | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Petroleum Hydrocarbons, Total        | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
| Metals (ppb)                              | Copper                               | 1300                        | MCL                              | 14.4  | 10.8                | 12.7                | 6.70                | 8.10                | 6.90                | 7.50                | 6.60                |                     |
|   | Lead                                 | 15                          | MCL                              | ND  | 0.150               | ND                  | 0.150               | ND                  | ND                  | ND                  | ND                  |                     |
|   | Mercury                              | 2                           | MCL                              | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Acenaphthylene                       | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Anthracene                           | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND  | ND                  | ND                  | ND                  | 0.0180              | ND                  | ND                  | ND                  |                     |
|   | Benzo(b)fluoranthene                 | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |
|   | Benzo(g,h,i)perylene                 | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |                     |

**Summary of Chemistry Results**  
**Zone I1**  
**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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**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|                                   |                         | Location ID:                |                                  | I1-ALAK1265                                     |                     |                     |                     |                     |                     |                     |                     |
|-----------------------------------|-------------------------|-----------------------------|----------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                   |                         | Location Type:              |                                  | School  |                     |                     |                     |                     |                     |                     |                     |
|                                   |                         | Address:                    |                                  | Red Hill Elementary School, 1265 Ala Kula Place |                     |                     |                     |                     |                     |                     |                     |
|                                   |                         | Field Sample ID:            |                                  | I1-TW-0011966-24306                             | I1-TW-0011966-24306 | I1-TW-0011966-24306 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 | I1-TW-0011966-24336 |
|                                   |                         |                             |                                  | -A-2  | -A-3                | -A-4                | -A-1                | -A-2                | -A-3                | -A-4                | -A-5                |
|                                   |                         | Sample Date:                |                                  | 2024-11-12                                      | 2024-11-12          | 2024-11-12          | 2024-12-02          | 2024-12-02          | 2024-12-02          | 2024-12-02          | 2024-12-02          |
|                                   |                         | 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 |   |                     |                     |                     |                     |                     |                     |                     |
| Synthetic Organic Compounds (ppb) | Benzo(k)fluoranthene    | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Chrysene                | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Dibenz(a,h)anthracene   | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Fluorene                | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Indeno(1,2,3-c,d)pyrene | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Naphthalene             | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Phenanthrene            | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Pyrene                  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
| Volatile Organic Compounds (ppb)  | 1,2,4-Trimethylbenzene  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | 1,3,5-Trimethylbenzene  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Benzene                 | 5                           | MCL                              | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Cumene                  | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Ethylbenzene            | 700                         | MCL                              | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | m,p-Xylene              | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | n-Butylbenzene          | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | n-Propylbenzene         | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | o-Xylene                | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | sec-Butylbenzene        | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | tert-Butylbenzene       | --                          | --                               | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Toluene                 | 1000                        | MCL                              | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |
|                                   | Xylenes, Total          | 10000                       | MCL                              | ND  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  | ND                  |

**Summary of Chemistry Results**  
**Zone I1**  
**Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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|--|
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| Parts per Million (ppm)  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Schools in Zone I1**

|                       |                       | Location ID:                | I1-ALAK1265                                     |                             |                             |                             |                             |                             |                             |                             |    |
|-----------------------|-----------------------|-----------------------------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----|
|                       |                       | Location Type:              | School  |                             |                             |                             |                             |                             |                             |                             |    |
|                       |                       | Address:                    | Red Hill Elementary School, 1265 Ala Kula Place |                             |                             |                             |                             |                             |                             |                             |    |
|                       |                       | Field Sample ID:            | I1-TW-0011966-24306<br>-A-2                     | I1-TW-0011966-24306<br>-A-3 | I1-TW-0011966-24306<br>-A-4 | I1-TW-0011966-24336<br>-A-1 | I1-TW-0011966-24336<br>-A-2 | I1-TW-0011966-24336<br>-A-3 | I1-TW-0011966-24336<br>-A-4 | I1-TW-0011966-24336<br>-A-5 |    |
|                       |                       | Sample Date:                | 2024-11-12                                      | 2024-11-12                  | 2024-11-12                  | 2024-12-02                  | 2024-12-02                  | 2024-12-02                  | 2024-12-02                  | 2024-12-02                  |    |
|                       |                       | 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                |                             |                             |                             |                             |                             |                             |                             |    |
| Trihalomethanes (ppb) | Bromodichloromethane  | --                          | --  | 2.00                        | 2.20                        | 1.90                        | 1.30                        | 1.30                        | 1.30                        | 1.50                        | ND |
|                       | Bromoform             | --                          | --  | 13.1                        | 15.0                        | 12.6                        | 15.3                        | 10.1                        | 9.40                        | 13.9                        | ND |
|                       | Chloroform            | --                          | --  | 0.500                       | 0.430                       | 0.470                       | 0.320                       | 0.270                       | 0.290                       | 0.310                       | ND |
|                       | Dibromochloromethane  | --                          | --  | 7.00                        | 7.90                        | 6.60                        | 5.20                        | 4.80                        | 4.50                        | 6.40                        | ND |
|                       | Total Trihalomethanes | 80                          | MCL   | 22.6                        | 25.5                        | 21.6                        | 22.1                        | 16.5                        | 15.5                        | 22.1                        | ND |

**Summary of Chemistry Results**

**Zone I1**

**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 October 2024 - December 2024 from Hydrants in Zone I1**

|   |                                      | Location ID:                |                                  | I1-HYD1324A           |                       |                         |                       |
|---|--------------------------------------|-----------------------------|----------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
|   |                                      | Location Type:              |                                  | Hydrant               |                       |                         |                       |
|   |                                      | Address:                    |                                  | HYD-1324A             |                       |                         |                       |
|   |                                      | Field Sample ID:            |                                  | I1-DL-0000642-24275-A | I1-DL-0000642-24306-A | I1-DL-0000642-24306-3-A | I1-DL-0000642-24336-A |
|   |                                      | Sample Date:                |                                  | 2024-10-07            | 2024-11-12            | 2024-11-12              | 2024-12-09            |
|   |                                      | Sample Type:                |                                  | N (Normal)            | N (Normal)            | FD (Field Duplicate)    | 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            | --                          | --                               | 13.0                  | --                    | --                      | --                    |
| Field Test (ppb)                          | Free Chlorine                        | 4000                        | MCL                              | 240                   | 220                   | --                      | 490                   |
| Field Test (pH)                           | pH                                   | --                          | --                               | 7.52                  | 7.49                  | --                      | 7.47                  |
| Field Test (ms/cm)                        | Specific Conductivity                | --                          | --                               | 0.300                 | 0.300                 | --                      | 0.310                 |
| Field Test (degrees Celcius)              | Temperature                          | --                          | --                               | 33.5                  | 32.1                  | --                      | 29.1                  |
| Field Test (nephelometric turbidity unit) | Turbidity                            | 5                           | MCL                              | 1.25                  | 0.210                 | --                      | 0.770                 |
| General Chemistry (ppb)                   | Alkalinity, Total (as CaCO3)         | --                          | --                               | 70300                 | 69100                 | 67700                   | 70000                 |
|   | 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                    |
| Synthetic Organic Compounds (ppb)         | 1-Methylnaphthalene                  | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | 2-Methylnaphthalene                  | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Acenaphthylene                       | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Anthracene                           | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Benzo(a)pyrene                       | 0.2                         | MCL                              | ND                    | ND                    | ND                      | ND                    |
|   | Benzo(b)fluoranthene                 | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Benzo(g,h,i)perylene                 | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Benzo(k)fluoranthene                 | --                          | --                               | ND                    | ND                    | ND                      | ND                    |
|   | Chrysene                             | --                          | --                               | ND                    | ND                    | ND                      | ND                    |

**Summary of Chemistry Results**

**Zone I1**

**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  |
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**Drinking Water Samples Collected in October 2024 - December 2024 from Hydrants in Zone I1**

|                                   |                             | Location ID: I1-HYD1324A               |                                  |                         |                       |      |      |
|-----------------------------------|-----------------------------|--|----------------------------------|-------------------------|-----------------------|------|------|
|                                   |                             | Location Type: Hydrant                 |                                  |                         |                       |      |      |
|                                   |                             | Address: HYD-1324A                     |                                  |                         |                       |      |      |
|                                   |                             | Field Sample ID: I1-DL-0000642-24275-A | I1-DL-0000642-24306-A            | I1-DL-0000642-24306-3-A | I1-DL-0000642-24336-A |      |      |
|                                   |                             | Sample Date: 2024-10-07                | 2024-11-12                       | 2024-11-12              | 2024-12-09            |      |      |
|                                   |                             | Sample Type: N (Normal)                | N (Normal)                       | FD (Field Duplicate)    | N (Normal)            |      |      |
| Method Group                      | Analyte                     | DOH Project Screening Level            | Basis of Project Screening Level |                         |                       |      |      |
| Synthetic Organic Compounds (ppb) | Dibenz(a,h)anthracene       | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Fluorene                    | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Indeno(1,2,3-c,d)pyrene     | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Naphthalene                 | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Phenanthrene                | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Pyrene                      | --                                     | --                               | ND                      | ND                    | ND   | ND   |
| Volatile Organic Compounds (ppb)  | 1,2,4-Trimethylbenzene      | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | 1,2-Dibromoethane (EDB)     | --                                     | --                               | ND                      | --                    | --   | --   |
|                                   | 1,3,5-Trimethylbenzene      | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | 2-(2-Methoxy ethoxy)ethanol | --                                     | --                               | ND                      | --                    | --   | --   |
|                                   | Benzene                     | 5                                      | MCL                              | ND                      | ND                    | ND   | ND   |
|                                   | Cumene                      | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Ethylbenzene                | 700                                    | MCL                              | ND                      | ND                    | ND   | ND   |
|                                   | m,p-Xylene                  | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | n-Butylbenzene              | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | n-Propylbenzene             | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | o-Xylene                    | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | sec-Butylbenzene            | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | tert-Butylbenzene           | --                                     | --                               | ND                      | ND                    | ND   | ND   |
|                                   | Toluene                     | 1000                                   | MCL                              | ND                      | ND                    | ND   | ND   |
| Xylenes, Total                    | 10000                       | MCL                                    | ND                               | ND                      | ND                    | ND   |      |
| Trihalomethanes (ppb)             | Bromodichloromethane        | --                                     | --                               | 1.00                    | 1.10                  | 1.10 | 1.10 |
|                                   | Bromoform                   | --                                     | --                               | 9.70                    | 7.50                  | 6.90 | 8.00 |

**Summary of Chemistry Results**

**Zone I1**

**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 October 2024 - December 2024 from Hydrants in Zone I1**

|                       |                       | Location ID: I1-HYD1324A    |                                  |                       |                         |                       |       |
|-----------------------|-----------------------|-----------------------------|----------------------------------|-----------------------|-------------------------|-----------------------|-------|
|                       |                       | Location Type: Hydrant      |                                  |                       |                         |                       |       |
|                       |                       | Address: HYD-1324A          |                                  |                       |                         |                       |       |
|                       |                       | Field Sample ID:            | 11-DL-0000642-24275-A            | 11-DL-0000642-24306-A | 11-DL-0000642-24306-3-A | 11-DL-0000642-24336-A |       |
|                       |                       | Sample Date:                | 2024-10-07                       | 2024-11-12            | 2024-11-12              | 2024-12-09            |       |
|                       |                       | Sample Type:                | N (Normal)                       | N (Normal)            | FD (Field Duplicate)    | N (Normal)            |       |
| Method Group          | Analyte               | DOH Project Screening Level | Basis of Project Screening Level |                       |                         |                       |       |
| Trihalomethanes (ppb) | Chloroform            | --                          | --                               | 0.400                 | 0.470                   | 0.450                 | 0.460 |
|                       | Dibromochloromethane  | --                          | --                               | 2.30                  | 2.50                    | 2.40                  | 1.90  |
|                       | Total Trihalomethanes | 80                          | MCL                              | 13.4                  | 11.6                    | 10.9                  | 11.5  |