

# Air Quality

**1-hour TSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at Location AM1**

| Date           | Equipment Brand & Model | Equipment Serial No. | K-factor | Weather | Sampling Time (1) | Sampling Time (2) | Sampling Time (3) | Reading (1)              | Reading (2)              | Reading (3)              | Average                  | Action Level             | Limit Level              |
|----------------|-------------------------|----------------------|----------|---------|-------------------|-------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                |                         |                      |          |         |                   |                   |                   | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 4/3/2024       | Sibata LD-5R            | 882106               | 1.044    | Fine    | 13:12             | 14:12             | 15:12             | 26                       | 26                       | 27                       | 26                       | 285                      | 500                      |
| 8/3/2024       | Sibata LD-5R            | 942532               | 1.102    | Fine    | 8:32              | 9:32              | 10:32             | 50                       | 60                       | 59                       | 56                       |                          |                          |
| 14/3/2024      | Sibata LD-5R            | 942532               | 1.102    | Fine    | 14:04             | 15:04             | 16:04             | 23                       | 22                       | 26                       | 24                       |                          |                          |
| 18/3/2024      | Sibata LD-5R            | 882106               | 1.044    | Fine    | 13:00             | 14:00             | 15:00             | 24                       | 26                       | 26                       | 25                       |                          |                          |
| 22/3/2024      | Sibata LD-5R            | 942532               | 1.102    | Fine    | 8:12              | 9:12              | 10:12             | 30                       | 36                       | 32                       | 33                       |                          |                          |
| 28/3/2024      | Sibata LD-5R            | 882106               | 1.044    | Fine    | 13:08             | 14:08             | 15:08             | 29                       | 30                       | 28                       | 29                       |                          |                          |
| <b>Average</b> |                         |                      |          |         |                   |                   |                   | <b>32</b>                |                          |                          |                          |                          |                          |
| <b>Max.</b>    |                         |                      |          |         |                   |                   |                   | <b>60</b>                |                          |                          |                          |                          |                          |
| <b>Min.</b>    |                         |                      |          |         |                   |                   |                   | <b>22</b>                |                          |                          |                          |                          |                          |

**1-hour TSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at Location AM2**

| Date           | Equipment Brand & Model | Equipment Serial No. | K-factor | Weather | Sampling Time (1) | Sampling Time (2) | Sampling Time (3) | Reading (1)              | Reading (2)              | Reading (3)              | Average                  | Action Level             | Limit Level              |
|----------------|-------------------------|----------------------|----------|---------|-------------------|-------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                |                         |                      |          |         |                   |                   |                   | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 4/3/2024       | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 13:30             | 14:30             | 15:30             | 31                       | 36                       | 32                       | 33                       | 279                      | 500                      |
| 8/3/2024       | Sibata LD-5R            | 882106               | 1.044    | Fine    | 8:57              | 9:57              | 10:57             | 61                       | 60                       | 63                       | 61                       |                          |                          |
| 14/3/2024      | Sibata LD-5R            | 882106               | 1.044    | Fine    | 14:18             | 15:18             | 16:18             | 43                       | 46                       | 41                       | 43                       |                          |                          |
| 18/3/2024      | Sibata LD-5R            | 942532               | 1.102    | Fine    | 13:15             | 14:15             | 15:15             | 41                       | 42                       | 40                       | 41                       |                          |                          |
| 22/3/2024      | Sibata LD-5R            | 882106               | 1.044    | Fine    | 8:30              | 9:30              | 10:30             | 46                       | 48                       | 43                       | 46                       |                          |                          |
| 28/3/2024      | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 13:16             | 14:16             | 15:16             | 48                       | 50                       | 49                       | 49                       |                          |                          |
| <b>Average</b> |                         |                      |          |         |                   |                   |                   | <b>46</b>                |                          |                          |                          |                          |                          |
| <b>Max.</b>    |                         |                      |          |         |                   |                   |                   | <b>63</b>                |                          |                          |                          |                          |                          |
| <b>Min.</b>    |                         |                      |          |         |                   |                   |                   | <b>31</b>                |                          |                          |                          |                          |                          |

**1-hour TSP Concentration ( $\mu\text{g}/\text{m}^3$ ) at Location AM3**

| Date           | Equipment Brand & Model | Equipment Serial No. | K-factor | Weather | Sampling Time (1) | Sampling Time (2) | Sampling Time (3) | Reading (1)              | Reading (2)              | Reading (3)              | Average                  | Action Level             | Limit Level              |
|----------------|-------------------------|----------------------|----------|---------|-------------------|-------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                |                         |                      |          |         |                   |                   |                   | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 4/3/2024       | Sibata LD-5R            | 942532               | 1.102    | Fine    | 13:40             | 14:40             | 15:40             | 51                       | 54                       | 53                       | 53                       | 285                      | 500                      |
| 8/3/2024       | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 8:40              | 9:40              | 10:40             | 69                       | 70                       | 71                       | 70                       |                          |                          |
| 14/3/2024      | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 14:24             | 15:24             | 16:24             | 51                       | 54                       | 52                       | 52                       |                          |                          |
| 18/3/2024      | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 13:24             | 14:24             | 15:24             | 52                       | 54                       | 49                       | 52                       |                          |                          |
| 22/3/2024      | Sibata LD-5R            | 0Z4545               | 1.045    | Fine    | 9:00              | 10:00             | 11:00             | 59                       | 60                       | 58                       | 59                       |                          |                          |
| 28/3/2024      | Sibata LD-5R            | 942532               | 1.102    | Fine    | 13:29             | 14:29             | 15:29             | 50                       | 52                       | 48                       | 50                       |                          |                          |
| <b>Average</b> |                         |                      |          |         |                   |                   |                   | <b>56</b>                |                          |                          |                          |                          |                          |
| <b>Max.</b>    |                         |                      |          |         |                   |                   |                   | <b>71</b>                |                          |                          |                          |                          |                          |
| <b>Min.</b>    |                         |                      |          |         |                   |                   |                   | <b>48</b>                |                          |                          |                          |                          |                          |

The Summary of TSP 24-hour Concentration (µg/m<sup>3</sup>) at Location AM1

| Start Date | Weather Condition | Avg Air Temp | Avg Atmospheric Pressure | Elapse Time |         | Sampling Time | Averaged Flow Rate | Averaged Flow Rate    | Total Flow Volume | Filter Weight (g) |        | Particulate weight | Concentration        | Action Level         | Limit Level          |
|------------|-------------------|--------------|--------------------------|-------------|---------|---------------|--------------------|-----------------------|-------------------|-------------------|--------|--------------------|----------------------|----------------------|----------------------|
|            |                   | (°C)         | (hPa)                    | Initial     | Final   | (minutes)     | (cfm)              | (m <sup>3</sup> /min) | (m <sup>3</sup> ) | Initial           | Final  | (g)                | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) |
| 4/3/2024   | Fine              | 22.0         | 1010.6                   | 2683.82     | 2707.82 | 1440          | 40                 | 0.79                  | 1142              | 2.7458            | 2.8215 | 0.0757             | 66                   | 164                  | 260                  |
| 8/3/2024   | Fine              | 17.7         | 1019.1                   | 2709.95     | 2733.95 | 1440          | 39                 | 0.78                  | 1120              | 2.7332            | 2.8456 | 0.1124             | 100                  |                      |                      |
| 14/3/2024  | Fine              | 21.8         | 1022.2                   | 2737.09     | 2761.09 | 1440          | 40                 | 0.81                  | 1170              | 2.6593            | 2.7963 | 0.1370             | 117                  |                      |                      |
| 18/3/2024  | Fine              | 20.0         | 1021.9                   | 2765.60     | 2789.60 | 1440          | 40                 | 0.82                  | 1177              | 2.6590            | 2.7508 | 0.0918             | 78                   |                      |                      |
| 22/3/2024  | Fine              | 22.8         | 1016.4                   | 2792.83     | 2816.83 | 1440          | 36                 | 0.64                  | 916               | 2.6869            | 2.7816 | 0.0947             | 103                  |                      |                      |
| 28/3/2024  | Fine              | 25.1         | 1013.9                   | 2819.94     | 2843.94 | 1440          | 36                 | 0.63                  | 902               | 2.6740            | 2.7469 | 0.0729             | 81                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Average            | 91                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Min                | 66                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Max                | 117                  |                      |                      |

The Summary of 24-hour TSP Concentration (µg/m<sup>3</sup>) at Location AM2

| Start Date | Weather Condition | Avg Air Temp | Avg Atmospheric Pressure | Elapse Time |         | Sampling Time | Averaged Flow Rate | Flow Rate             | Total Flow Volume | Filter Weight (g) |        | Particulate weight | Concentration        | Action Level         | Limit Level          |
|------------|-------------------|--------------|--------------------------|-------------|---------|---------------|--------------------|-----------------------|-------------------|-------------------|--------|--------------------|----------------------|----------------------|----------------------|
|            |                   | (°C)         | (hPa)                    | Initial     | Final   | (minutes)     | (cfm)              | (m <sup>3</sup> /min) | (m <sup>3</sup> ) | Initial           | Final  | (g)                | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) |
| 4/3/2024   | Fine              | 22.0         | 1010.6                   | 2234.77     | 2258.77 | 1440          | 44                 | 0.93                  | 1344              | 2.7361            | 2.8174 | 0.0813             | 60                   | 152                  | 260                  |
| 8/3/2024   | Fine              | 17.7         | 1019.1                   | 2264.11     | 2288.11 | 1440          | 44                 | 0.97                  | 1401              | 2.7319            | 2.8297 | 0.0978             | 70                   |                      |                      |
| 14/3/2024  | Fine              | 21.8         | 1022.2                   | 2291.12     | 2315.12 | 1440          | 44                 | 0.93                  | 1345              | 2.6519            | 2.7826 | 0.1307             | 97                   |                      |                      |
| 18/3/2024  | Fine              | 20.0         | 1021.9                   | 2317.36     | 2341.36 | 1440          | 39                 | 0.74                  | 1070              | 2.6638            | 2.7291 | 0.0653             | 61                   |                      |                      |
| 22/3/2024  | Fine              | 22.8         | 1016.4                   | 2344.53     | 2368.53 | 1440          | 43                 | 0.88                  | 1271              | 2.6939            | 2.8258 | 0.1319             | 104                  |                      |                      |
| 28/3/2024  | Fine              | 25.1         | 1013.9                   | 2371.61     | 2395.61 | 1440          | 42                 | 0.85                  | 1228              | 2.6698            | 2.7904 | 0.1206             | 98                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Average            | 82                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Min                | 60                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Max                | 104                  |                      |                      |

The Summary of 24-hour TSP Concentration (µg/m<sup>3</sup>) at Location AM3

| Start Date | Weather Condition | Avg Air Temp | Avg Atmospheric Pressure | Elapse Time |         | Sampling Time | Averaged Flow Rate | Flow Rate             | Total Flow Volume | Filter Weight (g) |        | Particulate weight | Concentration        | Action Level         | Limit Level          |
|------------|-------------------|--------------|--------------------------|-------------|---------|---------------|--------------------|-----------------------|-------------------|-------------------|--------|--------------------|----------------------|----------------------|----------------------|
|            |                   | (°C)         | (hPa)                    | Initial     | Final   | (minutes)     | (cfm)              | (m <sup>3</sup> /min) | (m <sup>3</sup> ) | Initial           | Final  | (g)                | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) |
| 4/3/2024   | Fine              | 22.0         | 1010.6                   | 3232.74     | 3256.74 | 1440          | 42                 | 0.89                  | 1282              | 2.7337            | 2.8312 | 0.0975             | 76                   | 163                  | 260                  |
| 8/3/2024   | Fine              | 17.7         | 1019.1                   | 3240.62     | 3264.62 | 1440          | 42                 | 0.91                  | 1313              | 2.6624            | 2.7734 | 0.1110             | 85                   |                      |                      |
| 14/3/2024  | Fine              | 21.8         | 1022.2                   | 3267.74     | 3291.73 | 1439          | 41                 | 0.87                  | 1257              | 2.6642            | 2.8215 | 0.1573             | 125                  |                      |                      |
| 18/3/2024  | Fine              | 20.0         | 1021.9                   | 3294.14     | 3318.14 | 1440          | 39                 | 0.79                  | 1144              | 2.6336            | 2.7301 | 0.0965             | 84                   |                      |                      |
| 22/3/2024  | Fine              | 22.8         | 1016.4                   | 3321.01     | 3345.01 | 1440          | 41                 | 0.86                  | 1243              | 2.6862            | 2.7951 | 0.1089             | 88                   |                      |                      |
| 28/3/2024  | Fine              | 25.1         | 1013.9                   | 3348.25     | 3372.25 | 1440          | 41                 | 0.85                  | 1231              | 2.6804            | 2.8138 | 0.1334             | 108                  |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Average            | 94                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Min                | 76                   |                      |                      |
|            |                   |              |                          |             |         |               |                    |                       |                   |                   |        | Max                | 125                  |                      |                      |

- Remarks:  
 1. Orange Text equal to exceed Action Level  
 2. Red Text equal to exceed Limit Level

# Noise

**Impact Phase Construction Noise Monitoring Data at Location NM1a**

| Date                  | Weather | Wind speed | Start Time | End Time | $L_{eq}$ (dB(A)) |      |      |      |      |      |   | $L_{10}$ (dB(A)) |      |      |      |      |      | $L_{90}$ (dB(A)) |      |      |      |      |      |
|-----------------------|---------|------------|------------|----------|------------------|------|------|------|------|------|---|------------------|------|------|------|------|------|------------------|------|------|------|------|------|
|                       |         | m/s        |            |          | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  | Overall (30min)                                 | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  |
| 4/3/2024              | Fine    | 1.3        | 9:00       | 9:30     | 61.2             | 60.3 | 59.6 | 60.4 | 59.9 | 58.2 | 60.0  | 62.4             | 61.4 | 60.4 | 61.5 | 60.6 | 60.4 | 60.2             | 59.4 | 58.4 | 59.6 | 58.2 | 57.2 |
| 14/3/2024             | Fine    | 1.6        | 13:10      | 13:40    | 61.7             | 62.1 | 60.3 | 59.4 | 60.2 | 59.1 | 60.6  | 63.6             | 64.2 | 62.4 | 61.3 | 62.6 | 61.4 | 59.2             | 60.3 | 58.3 | 57.6 | 58.4 | 57.1 |
| 18/3/2024             | Fine    | 1.7        | 9:10       | 9:40     | 60.2             | 59.6 | 61.2 | 60.2 | 59.3 | 60.1 | 60.1  | 63.2             | 62.4 | 64.2 | 63.6 | 62.5 | 63.4 | 57.6             | 56.6 | 58.9 | 57.3 | 57.3 | 57.9 |
| 28/3/2024             | Fine    | 1.6        | 13:08      | 13:38    | 59.3             | 60.4 | 61.2 | 61.9 | 60.4 | 61.4 | 60.8  | 62.6             | 64.1 | 65.2 | 65.6 | 63.2 | 64.4 | 55.3             | 56.4 | 57.2 | 57.9 | 57.3 | 58.1 |
| <b>Average</b>        |         |            |            |          |                  |      |      |      |      |      | 60.4  |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Baseline Level</b> |         |            |            |          |                  |      |      |      |      |      | 55.4  |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Action Level</b>   |         |            |            |          |                  |      |      |      |      |      | When one valid documented complaint is received |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Limit Level</b>    |         |            |            |          |                  |      |      |      |      |      | 75  |                  |      |      |      |      |      |                  |      |      |      |      |      |

**Impact Phase Construction Noise Monitoring Data at Location NM2a**

| Date                  | Weather | Wind speed | Start Time | End Time | $L_{eq}$ (dB(A)) |      |      |      |      |      |   | $L_{10}$ (dB(A)) |      |      |      |      |      | $L_{90}$ (dB(A)) |      |      |      |      |      |
|-----------------------|---------|------------|------------|----------|------------------|------|------|------|------|------|---|------------------|------|------|------|------|------|------------------|------|------|------|------|------|
|                       |         | m/s        |            |          | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  | Overall (30min)                                 | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  | 1st              | 2nd  | 3rd  | 4th  | 5th  | 6th  |
| 4/3/2024              | Fine    | 1.4        | 15:12      | 15:42    | 58.1             | 57.6 | 57.9 | 58.6 | 59.1 | 59.9 | 58.6  | 60.3             | 59.7 | 59.4 | 60.4 | 61.4 | 60.3 | 56.2             | 55.6 | 55.1 | 56.4 | 58.2 | 58.4 |
| 14/3/2024             | Fine    | 1.7        | 15:16      | 15:46    | 57.6             | 55.6 | 56.5 | 58.4 | 60.2 | 59.2 | 58.2  | 60.3             | 58.5 | 59.6 | 61.3 | 63.2 | 62.6 | 54.2             | 55.2 | 53.1 | 55.6 | 57.6 | 56.3 |
| 18/3/2024             | Fine    | 2.1        | 14:01      | 14:31    | 54.3             | 55.6 | 54.6 | 56.3 | 55.6 | 54.4 | 55.2  | 57.4             | 58.3 | 57.6 | 59.2 | 55.9 | 57.3 | 52.1             | 53.2 | 52.4 | 53.2 | 52.9 | 53.1 |
| 28/3/2024             | Fine    | 1.9        | 15:00      | 15:30    | 54.5             | 56.5 | 54.3 | 55.4 | 55.9 | 54.6 | 55.3  | 56.1             | 59.6 | 56.2 | 58.4 | 58.9 | 56.0 | 52.6             | 54.3 | 53.0 | 52.1 | 51.9 | 52.6 |
| <b>Average</b>        |         |            |            |          |                  |      |      |      |      |      | 57.1  |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Baseline Level</b> |         |            |            |          |                  |      |      |      |      |      | 54.5  |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Action Level</b>   |         |            |            |          |                  |      |      |      |      |      | When one valid documented complaint is received |                  |      |      |      |      |      |                  |      |      |      |      |      |
| <b>Limit Level</b>    |         |            |            |          |                  |      |      |      |      |      | 75  |                  |      |      |      |      |      |                  |      |      |      |      |      |

# Water Quality

Monitoring Location: WM1

| Date      | Time  | Weather | Water Depth (m) | Water Flow (L/s) | Water Temperature (°C) | DO (mg/L) |              |             | pH    |              |             | Turbidity (NTU) |              |             | SS (mg/L) |              |             |
|-----------|-------|---------|-----------------|------------------|------------------------|-----------|--------------|-------------|-------|--------------|-------------|-----------------|--------------|-------------|-----------|--------------|-------------|
|           |       |         |                 |                  |                        | Value     | Action Level | Limit Level | Value | Action Level | Limit Level | Value           | Action Level | Limit Level | Value     | Action Level | Limit Level |
| 14-Mar-24 | 10:13 | Sunny   | 0.07            | 2.1              | 16.6                   | 7.6       | <7.4         | <4          | 6.6   | >7.7         | >7.8        | 4.4             | >9.2         | >9.5        | 4.5       | >9.7         | >11.4       |

Monitoring Location: WM2

| Date      | Time | Weather | Water Depth (m) | Water Flow (L/s) | Water Temperature (°C) | DO (mg/L) |              |             | pH    |              |             | Turbidity (NTU) |              |             | SS (mg/L) |              |             |
|-----------|------|---------|-----------------|------------------|------------------------|-----------|--------------|-------------|-------|--------------|-------------|-----------------|--------------|-------------|-----------|--------------|-------------|
|           |      |         |                 |                  |                        | Value     | Action Level | Limit Level | Value | Action Level | Limit Level | Value           | Action Level | Limit Level | Value     | Action Level | Limit Level |
| 14-Mar-24 | 8:10 | Sunny   | 0.07            | 2.1              | 20.3                   | 6.5       | <5           | <4          | 7.2   | >7.6         | >7.7        | 78.6            | >108.3       | >108.9      | 83.2      | >94.5        | >94.7       |

Remarks

1. Sample will be grabbed on surface when the water depth is less than 1m.
2. "TBC" equal to "To be confirm"
3. Orange Text equal to exceed Action Level
4. Red Text equal to exceed Limit Level






### CERTIFICATE OF ANALYSIS

|              |  |            |  |                         |               |
|--------------|--|------------|--|-------------------------|---------------|
| Client       | : ACUMEN LABORATORY AND TESTING LIMITED  | Laboratory | : ALS Technichem (HK) Pty Ltd  | Page                    | : 1 of 9      |
| Contact      | : HUNTINGTON HUI   | Contact    | : Richard Fung   | Work Order              | : HK2410256   |
| Address      | : UNIT D, 12/F, FORD GLORY PLAZA,<br>NOS.37-39 WING HONG STREET, CHEUNG<br>SHA WAN, KOWLOON, HONG KONG | Address    | : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing<br>Yip Street, Kwai Chung, N.T., Hong Kong |                         |               |
| E-mail       | : Huntington.Hui@aurecongroup.com  | E-mail     | : richard.fung@alsglobal.com   |                         |               |
| Telephone    | : ---  | Telephone  | : +852 2610 1044   |                         |               |
| Facsimile    | : ---  | Facsimile  | : +852 2610 2021   |                         |               |
| Project      | : NENTX  |            |  | Date Samples Received   | : 14-Mar-2024 |
| Order number | : ---  | Quote      | : HKE/2751/2022_V3   | Issue Date              | : 28-Mar-2024 |
|              |  | number     |  |                         |               |
| C-O-C number | : ---  |            |  | No. of samples received | : 2           |
| Site         | :  |            |  | No. of samples analysed | : 2           |

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| <i>Signatories</i>  | <i>Position</i>    | <i>Authorised results for</i> |
|---|--------------------|-------------------------------|
| <br>Fung Lim Chee, Richard | Managing Director  | Inorganics                    |
| <br>Fung Lim Chee, Richard | Managing Director  | Metals_ENV                    |
| <br>Ng Sin Kou, May        | Laboratory Manager | Microbiology_ENV              |





## General Comments

This report supersedes any previous report(s) with the same work order number. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 14-Mar-2024 to 28-Mar-2024.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

### Specific Comments for Work Order: HK2410256

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Microbiological sample(s) was/ were collected in 250mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 15:25.

NOT DETECTED denotes result(s) is (are) less than the Limit of Report (LOR).

ED037 - Titration end point for Total Alkalinity is pH 4.5 while end point for Total Alkalinity <20mg/L is pH 4.2.

Water sample(s) digested by in-house method E-3005 prior to the determination of total metals. The in-house method is developed based on USEPA method 3005.

EA002 - pH value is reported as at 25°C. Calibration range of pH value is 4.0 - 10.0. Results exceeding this range is for reference only.

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L. Results below this LOR are for reference only.



### Analytical Results

Sub-Matrix: WATER

|   |            |      |         | Sample ID            | WM 1          | WM 2          |       |       |       |
|---|------------|------|---------|----------------------|---------------|---------------|-------|-------|-------|
|   |            |      |         | Sampling date / time | 14-Mar-2024   | 14-Mar-2024   | ---   | ---   | ---   |
| Compound  | CAS Number | LOR  | Unit    |                      | HK2410256-001 | HK2410256-002 | ----- | ----- | ----- |
| <b>EA/ED: Physical and Aggregate Properties</b> |            |      |         |                      |               |               |       |       |       |
| EA002: pH Value                                 | ----       | 0.1  | pH Unit |                      | 6.5           | 6.9           | ---   | ---   | ---   |
| EA010: Electrical Conductivity @ 25°C           | ----       | 1    | µS/cm   |                      | 71            | 197           | ---   | ---   | ---   |
| EA025: Suspended Solids (SS)                    | ----       | 0.1  | mg/L    |                      | 4.5           | 83.2          | ---   | ---   | ---   |
| ED037: Total Alkalinity as CaCO3                | ----       | 1    | mg/L    |                      | 8             | 62            | ---   | ---   | ---   |
| <b>ED/EK: Inorganic Nonmetallic Parameters</b>  |            |      |         |                      |               |               |       |       |       |
| ED041K: Sulphate as SO4 - Turbidimetric         | ----       | 1    | mg/L    |                      | 11            | 10            | ---   | ---   | ---   |
| ED045K: Chloride                                | 16887-00-6 | 0.5  | mg/L    |                      | 7             | 14            | ---   | ---   | ---   |
| EK055K: Ammonia as N                            | 7664-41-7  | 0.01 | mg/L    |                      | 0.04          | 0.03          | ---   | ---   | ---   |
| EK058A: Nitrate as N                            | 14797-55-8 | 0.01 | mg/L    |                      | 0.02          | 0.30          | ---   | ---   | ---   |
| EK061A: Total Kjeldahl Nitrogen as N            | ----       | 0.1  | mg/L    |                      | 0.2           | 0.9           | ---   | ---   | ---   |
| EK071K: Reactive Phosphorus as P                | 14265-44-2 | 0.01 | mg/L    |                      | <0.01         | <0.01         | ---   | ---   | ---   |
| EK086: Sulphite as SO3 2-                       | 14265-45-3 | 2    | mg/L    |                      | <2            | <2            | ---   | ---   | ---   |
| <b>EP: Aggregate Organics</b>                   |            |      |         |                      |               |               |       |       |       |
| EP005: Total Organic Carbon                     | ----       | 1    | mg/L    |                      | 3             | 4             | ---   | ---   | ---   |
| EP020: Oil & Grease                             | ----       | 5    | mg/L    |                      | <5            | <5            | ---   | ---   | ---   |
| EP026C: Chemical Oxygen Demand                  | ----       | 5    | mg/L    |                      | <5            | 9             | ---   | ---   | ---   |
| EP030: Biochemical Oxygen Demand                | ----       | 2    | mg/L    |                      | <2            | 2             | ---   | ---   | ---   |
| <b>EG: Metals and Major Cations - Total</b>     |            |      |         |                      |               |               |       |       |       |
| EG020: Cadmium                                  | 7440-43-9  | 0.2  | µg/L    |                      | <0.2          | <0.2          | ---   | ---   | ---   |
| EG020: Copper                                   | 7440-50-8  | 1    | µg/L    |                      | <1            | 4             | ---   | ---   | ---   |
| EG020: Lead                                     | 7439-92-1  | 1    | µg/L    |                      | <1            | 5             | ---   | ---   | ---   |
| EG020: Manganese                                | 7439-96-5  | 1    | µg/L    |                      | 89            | 2290          | ---   | ---   | ---   |
| EG020: Nickel                                   | 7440-02-0  | 1    | µg/L    |                      | <1            | 3             | ---   | ---   | ---   |
| EG020: Zinc                                     | 7440-66-6  | 10   | µg/L    |                      | <10           | 36            | ---   | ---   | ---   |
| EG032: Calcium                                  | 7440-70-2  | 50   | µg/L    |                      | 3580          | 20000         | ---   | ---   | ---   |
| EG032: Iron                                     | 7439-89-6  | 10   | µg/L    |                      | 680           | 7340          | ---   | ---   | ---   |
| EG032: Magnesium                                | 7439-95-4  | 50   | µg/L    |                      | 520           | 1350          | ---   | ---   | ---   |
| EG032: Potassium                                | 7440-09-7  | 50   | µg/L    |                      | 360           | 4020          | ---   | ---   | ---   |
| EG032: Sodium                                   | 7440-23-5  | 50   | µg/L    |                      | 8540          | 9010          | ---   | ---   | ---   |



| Sub-Matrix: WATER                  |            |     |           | Sample ID            | WM 1          | WM 2        | ---   | ---   | --- |
|------------------------------------|------------|-----|-----------|----------------------|---------------|-------------|-------|-------|-----|
|                                    |            |     |           | Sampling date / time | 14-Mar-2024   | 14-Mar-2024 | ---   | ---   | --- |
| Compound                           | CAS Number | LOR | Unit      | HK2410256-001        | HK2410256-002 | -----       | ----- | ----- |     |
| <b>EM: Microbiological Testing</b> |            |     |           |                      |               |             |       |       |     |
| EM002: E. coli                     | ----       | 1   | CFU/100mL | 25                   | 3300          | ---         | ---   | ---   |     |
| EM003: Total Coliforms             | ----       | 1   | CFU/100mL | 28                   | 4200          | ---         | ---   | ---   |     |



### Laboratory Duplicate (DUP) Report

In the Laboratory Duplicate (DUP) report, RPD (%) of sample duplicate reporting "0.0" denotes that the difference between unrounded results of the sample and its duplicate analyses is less than the value of the limit of reporting of the specific testing. The RPD (%) meets the quality control requirement of the corresponding testing procedure.

Matrix: WATER

|   |           |   |            | Laboratory Duplicate (DUP) Report |         |                 |                  |         |
|---|-----------|---|------------|-----------------------------------|---------|-----------------|------------------|---------|
| Laboratory sample ID  | Sample ID | Method: Compound                        | CAS Number | LOR                               | Unit    | Original Result | Duplicate Result | RPD (%) |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5663595)</b> |           |   |            |                                   |         |                 |                  |         |
| HK2410260-001   | Anonymous | EA025: Suspended Solids (SS)            | ----       | 0.5                               | mg/L    | 69.9            | 71.1             | 1.7     |
| HK2410260-006   | Anonymous | EA025: Suspended Solids (SS)            | ----       | 0.5                               | mg/L    | 5.5             | 5.8              | 6.2     |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5666986)</b> |           |   |            |                                   |         |                 |                  |         |
| HK2409966-039   | Anonymous | EA010: Electrical Conductivity @ 25°C   | ----       | 1                                 | µS/cm   | 44300           | 44000            | 0.5     |
| HK2410456-006   | Anonymous | EA010: Electrical Conductivity @ 25°C   | ----       | 1                                 | µS/cm   | <1              | <1               | 0.0     |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5666987)</b> |           |   |            |                                   |         |                 |                  |         |
| HK2409966-039   | Anonymous | EA002: pH Value                         | ----       | 0.1                               | pH Unit | 7.9             | 7.9              | 0.0     |
| HK2410456-001   | Anonymous | EA002: pH Value                         | ----       | 0.1                               | pH Unit | 8.4             | 8.4              | 0.0     |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5671617)</b> |           |   |            |                                   |         |                 |                  |         |
| HK2410501-001   | Anonymous | ED037: Total Alkalinity as CaCO3        | ----       | 1                                 | mg/L    | 32              | 32               | 0.0     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5665134)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410206-001   | Anonymous | EK071K: Reactive Phosphorus as P        | 14265-44-2 | 0.01                              | mg/L    | 0.12            | 0.12             | 0.0     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671707)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410718-008   | Anonymous | ED041K: Sulphate as SO4 - Turbidimetric | ----       | 1                                 | mg/L    | <1              | <1               | 0.0     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671708)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410718-008   | Anonymous | ED045K: Chloride                        | 16887-00-6 | 1                                 | mg/L    | <1              | <1               | 0.0     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5672809)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410206-001   | Anonymous | EK086: Sulphite as SO3 2-               | 14265-45-3 | 2                                 | mg/L    | <2              | <2               | 0.0     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5674859)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410836-001   | Anonymous | EK055K: Ammonia as N                    | 7664-41-7  | 0.01                              | mg/L    | 26.9            | 26.9             | 0.2     |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5688679)</b>  |           |   |            |                                   |         |                 |                  |         |
| HK2410256-001   | WM 1      | EK061A: Total Kjeldahl Nitrogen as N    | ----       | 0.1                               | mg/L    | 0.2             | 0.2              | 0.0     |
| <b>EP: Aggregate Organics (QC Lot: 5680545)</b>                   |           |   |            |                                   |         |                 |                  |         |
| HK2410392-002   | Anonymous | EP026C: Chemical Oxygen Demand          | ----       | 5                                 | mg/L    | 7               | 7                | 0.0     |
| <b>EP: Aggregate Organics (QC Lot: 5686309)</b>                   |           |   |            |                                   |         |                 |                  |         |
| HK2409966-005   | Anonymous | EP005: Total Organic Carbon             | ----       | 1                                 | mg/L    | <5              | <5               | 0.0     |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664952)</b>     |           |   |            |                                   |         |                 |                  |         |
| HK2410000-002   | Anonymous | EG020: Cadmium                          | 7440-43-9  | 0.2                               | µg/L    | <0.2            | <0.2             | 0.0     |



| Matrix: WATER   |           |                  |            | Laboratory Duplicate (DUP) Report |      |                 |                  |         |
|---|-----------|------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID  | Sample ID | Method: Compound | CAS Number | LOR                               | Unit | Original Result | Duplicate Result | RPD (%) |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664952) - Continued</b> |           |                  |            |                                   |      |                 |                  |         |
| HK2410000-002   | Anonymous | EG020: Copper    | 7440-50-8  | 1                                 | µg/L | 9               | 8                | 0.0     |
|   |           | EG020: Lead      | 7439-92-1  | 1                                 | µg/L | <1              | <1               | 0.0     |
|   |           | EG020: Manganese | 7439-96-5  | 1                                 | µg/L | <1              | <1               | 0.0     |
|   |           | EG020: Nickel    | 7440-02-0  | 1                                 | µg/L | 2               | 2                | 0.0     |
|   |           | EG020: Zinc      | 7440-66-6  | 10                                | µg/L | <10             | <10              | 0.0     |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664957)</b>             |           |                  |            |                                   |      |                 |                  |         |
| HK2410256-002   | WM 2      | EG032: Iron      | 7439-89-6  | 10                                | µg/L | 7340            | 7750             | 5.4     |
|   |           | EG032: Calcium   | 7440-70-2  | 50                                | µg/L | 20000           | 20300            | 1.4     |
|   |           | EG032: Magnesium | 7439-95-4  | 50                                | µg/L | 1350            | 1380             | 2.4     |
|   |           | EG032: Potassium | 7440-09-7  | 50                                | µg/L | 4020            | 4140             | 2.9     |
|   |           | EG032: Sodium    | 7440-23-5  | 50                                | µg/L | 9010            | 9130             | 1.3     |

**Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report**

| Matrix: WATER   |            |      |       | Method Blank (MB) Report |                     | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report |      |                    |      |         |               |
|---|------------|------|-------|--------------------------|---------------------|--|------|--------------------|------|---------|---------------|
| Method: Compound  | CAS Number | LOR  | Unit  | Result                   | Spike Concentration | Spike Recovery (%)   |      | Recovery Limits(%) |      | RPD (%) |               |
|   |            |      |       |                          |                     | LCS  | DCS  | Low                | High | Value   | Control Limit |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5663595)</b> |            |      |       |                          |                     |  |      |                    |      |         |               |
| EA025: Suspended Solids (SS)                                      | ----       | 0.5  | mg/L  | <0.5                     | 10 mg/L             | 98.0   | ---- | 84.9               | 114  | ----    | ----          |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5666986)</b> |            |      |       |                          |                     |  |      |                    |      |         |               |
| EA010: Electrical Conductivity @ 25°C                             | ----       | 1    | µS/cm | <1                       | 146.9 µS/cm         | 96.2   | ---- | 93.5               | 106  | ----    | ----          |
|   |            |      |       | <1                       | 1412 µS/cm          | 95.7   | ---- | 94.3               | 105  | ----    | ----          |
| <b>EA/ED: Physical and Aggregate Properties (QC Lot: 5671617)</b> |            |      |       |                          |                     |  |      |                    |      |         |               |
| ED037: Total Alkalinity as CaCO3                                  | ----       | 1    | mg/L  | <1                       | 50 mg/L             | 102  | ---- | 95.0               | 105  | ----    | ----          |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5665134)</b>  |            |      |       |                          |                     |  |      |                    |      |         |               |
| EK071K: Reactive Phosphorus as P                                  | 14265-44-2 | 0.01 | mg/L  | <0.01                    | 0.5 mg/L            | 103  | ---- | 92.4               | 106  | ----    | ----          |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671707)</b>  |            |      |       |                          |                     |  |      |                    |      |         |               |
| ED041K: Sulphate as SO4 - Turbidimetric                           | ----       | 1    | mg/L  | <1                       | 5 mg/L              | 105  | ---- | 93.8               | 108  | ----    | ----          |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671708)</b>  |            |      |       |                          |                     |  |      |                    |      |         |               |
| ED045K: Chloride  | 16887-00-6 | 1    | mg/L  | <1                       | 10 mg/L             | 100.0  | ---- | 88.2               | 108  | ----    | ----          |



| Matrix: WATER  |            | Method Blank (MB) Report |      |        | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report |                    |      |                    |      |         |               |  |
|--|------------|--------------------------|------|--------|--|--------------------|------|--------------------|------|---------|---------------|--|
|  |            | LOR                      | Unit | Result | Spike Concentration  | Spike Recovery (%) |      | Recovery Limits(%) |      | RPD (%) |               |  |
| Method: Compound   | CAS Number |                          |      |        |  | LCS                | DCS  | Low                | High | Value   | Control Limit |  |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5672809)</b> |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EK086: Sulphite as SO3 2-  | 14265-45-3 | 2                        | mg/L | <2     | ----   | ----               | ---- | ----               | ---- | ----    | ----          |  |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5674859)</b> |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EK055K: Ammonia as N   | 7664-41-7  | 0.01                     | mg/L | <0.01  | 0.5 mg/L   | 98.5               | ---- | 89.3               | 109  | ----    | ----          |  |
| <b>ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5688679)</b> |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EK061A: Total Kjeldahl Nitrogen as N                             | ----       | 0.1                      | mg/L | <0.1   | 0.5 mg/L   | 103                | ---- | 90.1               | 123  | ----    | ----          |  |
| <b>EP: Aggregate Organics (QC Lot: 5663696)</b>                  |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EP030: Biochemical Oxygen Demand                                 | ----       | ----                     | mg/L | ----   | 198 mg/L   | 99.8               | ---- | 77.6               | 118  | ----    | ----          |  |
| <b>EP: Aggregate Organics (QC Lot: 5677533)</b>                  |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EP020: Oil & Grease  | ----       | 2                        | mg/L | <2     | 20 mg/L  | 90.4               | ---- | 79.1               | 108  | ----    | ----          |  |
| <b>EP: Aggregate Organics (QC Lot: 5680545)</b>                  |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EP026C: Chemical Oxygen Demand                                   | ----       | ----                     | mg/L | ----   | 25 mg/L  | 101                | ---- | 92.0               | 108  | ----    | ----          |  |
|  |            |                          |      |        | 250 mg/L   | 100                | ---- | 92.3               | 106  | ----    | ----          |  |
| <b>EP: Aggregate Organics (QC Lot: 5686309)</b>                  |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EP005: Total Organic Carbon                                      | ----       | 1                        | mg/L | <1     | 5 mg/L   | 111                | ---- | 81.7               | 124  | ----    | ----          |  |
|  |            |                          |      | <1     | 100 mg/L   | 105                | ---- | 82.9               | 122  | ----    | ----          |  |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664952)</b>    |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EG020: Cadmium   | 7440-43-9  | 0.2                      | µg/L | <0.2   | 5 µg/L   | 94.3               | ---- | 85.0               | 109  | ----    | ----          |  |
| EG020: Copper  | 7440-50-8  | 1                        | µg/L | <1     | 50 µg/L  | 103                | ---- | 90.0               | 111  | ----    | ----          |  |
| EG020: Lead  | 7439-92-1  | 1                        | µg/L | <1     | 50 µg/L  | 98.2               | ---- | 89.0               | 111  | ----    | ----          |  |
| EG020: Manganese   | 7439-96-5  | 1                        | µg/L | <1     | 50 µg/L  | 100                | ---- | 85.0               | 115  | ----    | ----          |  |
| EG020: Nickel  | 7440-02-0  | 1                        | µg/L | <1     | 50 µg/L  | 101                | ---- | 87.0               | 110  | ----    | ----          |  |
| EG020: Zinc  | 7440-66-6  | 10                       | µg/L | <10    | 50 µg/L  | 102                | ---- | 86.0               | 114  | ----    | ----          |  |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664957)</b>    |            |                          |      |        |  |                    |      |                    |      |         |               |  |
| EG032: Calcium   | 7440-70-2  | 50                       | µg/L | <50    | 2000 µg/L  | 98.6               | ---- | 85.0               | 115  | ----    | ----          |  |
| EG032: Iron  | 7439-89-6  | 10                       | µg/L | <10    | 2000 µg/L  | 102                | ---- | 85.0               | 115  | ----    | ----          |  |
| EG032: Magnesium   | 7439-95-4  | 50                       | µg/L | <50    | 2000 µg/L  | 101                | ---- | 85.0               | 115  | ----    | ----          |  |
| EG032: Potassium   | 7440-09-7  | 50                       | µg/L | <50    | 2000 µg/L  | 99.6               | ---- | 85.0               | 115  | ----    | ----          |  |
| EG032: Sodium  | 7440-23-5  | 50                       | µg/L | <50    | 2000 µg/L  | 103                | ---- | 85.0               | 115  | ----    | ----          |  |



**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report**

| Matrix: WATER   |           |   |            |                     | Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report |      |                     |      |         |               |
|---|-----------|---|------------|---------------------|---|------|---------------------|------|---------|---------------|
| Laboratory sample ID                                      | Sample ID | Method: Compound                        | CAS Number | Spike Concentration | Spike Recovery (%)  |      | Recovery Limits (%) |      | RPD (%) |               |
|   |           |   |            |                     | MS  | MSD  | Low                 | High | Value   | Control Limit |
| ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5665134) |           |   |            |                     |   |      |                     |      |         |               |
| HK2410206-001   | Anonymous | EK071K: Reactive Phosphorus as P        | 14265-44-2 | 0.5 mg/L            | 101   | ---- | 75.0                | 125  | ----    | ----          |
| ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671707) |           |   |            |                     |   |      |                     |      |         |               |
| HK2410718-008   | Anonymous | ED041K: Sulphate as SO4 - Turbidimetric | ----       | 5 mg/L              | 112   | ---- | 75.0                | 125  | ----    | ----          |
| ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5671708) |           |   |            |                     |   |      |                     |      |         |               |
| HK2410718-008   | Anonymous | ED045K: Chloride                        | 16887-00-6 | 5 mg/L              | 88.1  | ---- | 75.0                | 125  | ----    | ----          |
| ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5674859) |           |   |            |                     |   |      |                     |      |         |               |
| HK2410836-001   | Anonymous | EK055K: Ammonia as N                    | 7664-41-7  | 50 mg/L             | 88.0  | ---- | 75.0                | 125  | ----    | ----          |
| ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 5688679) |           |   |            |                     |   |      |                     |      |         |               |
| HK2410256-001   | WM 1      | EK061A: Total Kjeldahl Nitrogen as N    | ----       | 0.5 mg/L            | 92.5  | ---- | 75.0                | 125  | ----    | ----          |
| EP: Aggregate Organics (QC Lot: 5680545)                  |           |   |            |                     |   |      |                     |      |         |               |
| HK2410549-003   | Anonymous | EP026C: Chemical Oxygen Demand          | ----       | 10 mg/L             | 101   | ---- | 75.0                | 125  | ----    | ----          |
| EP: Aggregate Organics (QC Lot: 5686309)                  |           |   |            |                     |   |      |                     |      |         |               |
| HK2409966-002   | Anonymous | EP005: Total Organic Carbon             | ----       | 25 mg/L             | 109   | ---- | 75.0                | 125  | ----    | ----          |
| EG: Metals and Major Cations - Total (QC Lot: 5664952)    |           |   |            |                     |   |      |                     |      |         |               |
| HK2410000-001   | Anonymous | EG020: Cadmium                          | 7440-43-9  | 5 µg/L              | 97.8  | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG020: Copper                           | 7440-50-8  | 50 µg/L             | 104   | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG020: Lead                             | 7439-92-1  | 50 µg/L             | 99.0  | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG020: Manganese                        | 7439-96-5  | 50 µg/L             | 102   | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG020: Nickel                           | 7440-02-0  | 50 µg/L             | 97.5  | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG020: Zinc                             | 7440-66-6  | 50 µg/L             | 101   | ---- | 75.0                | 125  | ----    | ----          |
| EG: Metals and Major Cations - Total (QC Lot: 5664957)    |           |   |            |                     |   |      |                     |      |         |               |
| HK2410256-001   | WM 1      | EG032: Calcium                          | 7440-70-2  | 2000 µg/L           | 87.4  | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG032: Iron                             | 7439-89-6  | 2000 µg/L           | 118   | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG032: Magnesium                        | 7439-95-4  | 2000 µg/L           | 98.9  | ---- | 75.0                | 125  | ----    | ----          |
|   |           | EG032: Potassium                        | 7440-09-7  | 2000 µg/L           | 99.0  | ---- | 75.0                | 125  | ----    | ----          |



Matrix: WATER

*Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report*

| Laboratory<br>sample ID   | Sample ID | Method: Compound | CAS Number | Spike<br>Concentration | Spike Recovery (%)  |      | Recovery Limits (%) |      | RPD (%) |                  |
|---|-----------|------------------|------------|------------------------|---------------------|------|---------------------|------|---------|------------------|
|   |           |                  |            |                        | MS                  | MSD  | Low                 | High | Value   | Control<br>Limit |
| <b>EG: Metals and Major Cations - Total (QC Lot: 5664957) - Continued</b> |           |                  |            |                        |                     |      |                     |      |         |                  |
| HK2410256-001   | WM 1      | EG032: Sodium    | 7440-23-5  | 2000 µg/L              | # Not<br>Determined | ---- | 75.0                | 125  | ----    | ----             |