

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | Louis Berger U.S., Inc., A WSP Company    | Date Collected: | 01/18/23 |
| Project:          | NYCDDC Phase II SCI Arthur Kill Road CEQR | Date Received:  | 01/19/23 |
| Client Sample ID: | B-P18A                                    | SDG No.:        | O1232    |
| Lab Sample ID:    | O1232-04                                  | Matrix:         | SOIL     |
| Level (low/med):  | low                                       | % Solid:        | 87.5     |

| Cas       | Parameter | Conc. | Qua. | DF | MDL    | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|--------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 4820  |      | 1  | 2.18   | 4.93       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-36-0 | Antimony  | 1.33  | JN   | 1  | 0.35   | 2.46       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-38-2 | Arsenic   | 3.02  |      | 1  | 0.21   | 0.99       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-39-3 | Barium    | 21.1  |      | 1  | 0.71   | 4.93       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-41-7 | Beryllium | 0.58  | N    | 1  | 0.021  | 0.30       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-43-9 | Cadmium   | 0.90  |      | 1  | 0.027  | 0.30       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-70-2 | Calcium   | 756   |      | 1  | 7.03   | 98.5       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-47-3 | Chromium  | 68.5  |      | 1  | 0.089  | 0.49       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-48-4 | Cobalt    | 12.7  |      | 1  | 0.074  | 1.48       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-50-8 | Copper    | 24.2  | N    | 1  | 0.41   | 0.99       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7439-89-6 | Iron      | 28000 |      | 1  | 3.87   | 4.93       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7439-92-1 | Lead      | 18.6  |      | 1  | 0.26   | 0.59       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7439-95-4 | Magnesium | 2000  |      | 1  | 8.98   | 98.5       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7439-96-5 | Manganese | 253   |      | 1  | 0.11   | 0.99       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7439-97-6 | Mercury   | 0.021 |      | 1  | 0.0040 | 0.015      | mg/Kg             | 01/20/23 16:35 | 01/23/23 11:11 | SW7471B  |           |
| 7440-02-0 | Nickel    | 66.5  |      | 1  | 0.18   | 1.97       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-09-7 | Potassium | 769   |      | 1  | 23.0   | 98.5       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7782-49-2 | Selenium  | 0.42  | U    | 1  | 0.42   | 0.99       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-22-4 | Silver    | 1.39  |      | 1  | 0.077  | 0.49       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-23-5 | Sodium    | 187   |      | 1  | 23.1   | 98.5       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-28-0 | Thallium  | 0.31  | U    | 1  | 0.31   | 1.97       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-62-2 | Vanadium  | 52.7  |      | 1  | 0.32   | 1.97       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |
| 7440-66-6 | Zinc      | 55.5  |      | 1  | 0.20   | 1.97       | mg/Kg             | 01/20/23 15:00 | 01/20/23 21:05 | SW6010   | SW3050    |

|               |            |                 |            |        |
|---------------|------------|-----------------|------------|--------|
| Color Before: | Brown      | Clarity Before: | Texture:   | Medium |
| Color After:  | Brown      | Clarity After:  | Artifacts: | No     |
| Comments:     | METALS-TAL |                 |            |        |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits