

## **ANALYTICAL RESULTS SUMMARY**

VOLATILE ORGANICS  
GENERAL CHEMISTRY  
METALS  
GC SEMI-VOLATILES  
SEMI-VOLATILE ORGANICS

**PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025**

**PORTAL PARTNERS TRI-VENTURE**

**c/o Gannett Fleming Inc. Transit and Rail System**

**207 Senate Avenue**

**Camp Hill, PA - 17011**

**Phone No: 610-650-8101**

**ORDER ID : Q1514**

**ATTENTION : Joseph Krupansky**



**Laboratory Certification ID # 20012**



**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Client:** Portal Partners Tri-Venture

| Sample ID                     | Client ID                           | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|-------------------------------|-------------------------------------|--------|-----------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b><br>Q1514-01 | <b>ENV-105-SB01</b><br>ENV-105-SB01 | SOIL   | Acetone                     | 27.4          |   | 4.70 | 18.7 | ug/Kg |
|                               |                                     |        | <b>Total Voc :</b>          | 27.4          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 27.4          |   |      |      |       |
| <b>Client ID:</b><br>Q1514-03 | <b>ENV-105-SB02</b><br>ENV-105-SB02 | SOIL   | Acetone                     | 18.8          | J | 5.10 | 20.6 | ug/Kg |
| Q1514-03                      | ENV-105-SB02                        | SOIL   | Carbon Disulfide            | 2.20          | J | 1.10 | 4.10 | ug/Kg |
|                               |                                     |        | <b>Total Voc :</b>          | 21.0          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 21.0          |   |      |      |       |
| <b>Client ID:</b><br>Q1514-05 | <b>ENV-103-SB01</b><br>ENV-103-SB01 | SOIL   | Bromomethane                | 0.87          | J | 0.75 | 3.70 | ug/Kg |
|                               |                                     |        | <b>Total Voc :</b>          | 0.87          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 0.87          |   |      |      |       |
| <b>Client ID:</b><br>Q1514-07 | <b>ENV-105-GW01</b><br>ENV-105-GW01 | Water  | Acetone                     | 7.20          |   | 1.40 | 5.00 | ug/L  |
|                               |                                     |        | <b>Total Voc :</b>          | 7.20          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 7.20          |   |      |      |       |
| <b>Client ID:</b><br>Q1514-08 | <b>ENV-103-GW01</b><br>ENV-103-GW01 | Water  | Acetone                     | 26.1          |   | 1.40 | 5.00 | ug/L  |
|                               |                                     |        | <b>Total Voc :</b>          | 26.1          |   |      |      |       |
| Q1514-08                      | ENV-103-GW01                        | Water  | Dimethyl sulfide            | * 31.3        | J | 0    | 0    | ug/L  |
|                               |                                     |        | <b>Total Tics :</b>         | 31.3          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 57.4          |   |      |      |       |
| <b>Client ID:</b><br>Q1514-09 | <b>FB03062025</b><br>FB03062025     | Water  | Acetone                     | 10.0          |   | 1.40 | 5.00 | ug/L  |
|                               |                                     |        | <b>Total Voc :</b>          | 10.0          |   |      |      |       |
|                               |                                     |        | <b>Total Concentration:</b> | 10.0          |   |      |      |       |



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Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Client:** Portal Partners Tri-Venture

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

**Client ID:**

0

**Total Voc :**

**Total Concentration:**

### Hit Summary Sheet SW-846

**SDG No.:** Q1514  
**Client:** Portal Partners Tri-Venture

| Sample ID                | Client ID    | Matrix | Parameter                         |   | Concentration | C | MDL  |  | RDL | Units |
|--------------------------|--------------|--------|-----------------------------------|---|---------------|---|------|--|-----|-------|
| Client ID : ENV-105-SB01 |              |        |                                   |   |               |   |      |  |     |       |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Phenanthrene                      |   | 340.000       |   | 91.6 |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Fluoranthene                      |   | 300.000       |   | 89   |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Pyrene                            |   | 240.000       |   | 90.5 |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Benzo(a)anthracene                |   | 150.000       | J | 88   |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Chrysene                          |   | 150.000       | J | 86.6 |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Benzo(b)fluoranthene              |   | 140.000       | J | 88.4 |  | 190 | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Benzo(a)pyrene                    |   | 130.000       | J | 100  |  | 190 | ug/Kg |
| Total Svoc :             |              |        |                                   |   | 1,450.00      |   |      |  |     |       |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Benzophenone                      | * | 250.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Butane, 2-methoxy-2-methyl-       | * | 1,100.000     | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Dibenzothiophene                  | * | 74.800        | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Dodecane, 2-methyl-6-propyl-      | * | 78.500        | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Eicosane                          | * | 130.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Tetracosane                       | * | 100.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Heneicosane                       | * | 290.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Heptadecane                       | * | 110.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | n-Hexadecanoic acid               | * | 320.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-01                 | ENV-105-SB01 | SOIL   | Pentacosane                       | * | 180.000       | J | 0    |  | 0   | ug/Kg |
| Total Tics :             |              |        |                                   |   | 2,633.30      |   |      |  |     |       |
| Total Concentration:     |              |        |                                   |   | 4,083.30      |   |      |  |     |       |
| Client ID : ENV-105-SB02 |              |        |                                   |   |               |   |      |  |     |       |
| Q1514-03                 | ENV-105-SB02 | SOIL   | Benzophenone                      | * | 380.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-03                 | ENV-105-SB02 | SOIL   | Hexatriacontyl pentafluoropropior | * | 97.000        | J | 0    |  | 0   | ug/Kg |
| Q1514-03                 | ENV-105-SB02 | SOIL   | n-Hexadecanoic acid               | * | 180.000       | J | 0    |  | 0   | ug/Kg |
| Total Tics :             |              |        |                                   |   | 657.00        |   |      |  |     |       |
| Total Concentration:     |              |        |                                   |   | 657.00        |   |      |  |     |       |
| Client ID : ENV-103-SB01 |              |        |                                   |   |               |   |      |  |     |       |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Phenanthrene                      |   | 100.000       | J | 94.2 |  | 190 | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Fluoranthene                      |   | 120.000       | J | 91.6 |  | 190 | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Pyrene                            |   | 110.000       | J | 93   |  | 190 | ug/Kg |
| Total Svoc :             |              |        |                                   |   | 330.00        |   |      |  |     |       |
| Q1514-05                 | ENV-103-SB01 | SOIL   | 1,4-Benzenedicarboxylic acid, bis | * | 1,900.000     | J | 0    |  | 0   | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | 1-Heneicosanol                    | * | 220.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Benzo[e]pyrene                    | * | 92.300        | J | 0    |  | 0   | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Benzophenone                      | * | 260.000       | J | 0    |  | 0   | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Butane, 2-methoxy-2-methyl-       | * | 1,300.000     | J | 0    |  | 0   | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Heneicosane                       | * | 82.200        | J | 0    |  | 0   | ug/Kg |

### Hit Summary Sheet SW-846

**SDG No.:** Q1514  
**Client:** Portal Partners Tri-Venture

| Sample ID                | Client ID    | Matrix | Parameter                         | Concentration | C         | MDL | RDL  | Units |
|--------------------------|--------------|--------|-----------------------------------|---------------|-----------|-----|------|-------|
| Q1514-05                 | ENV-103-SB01 | SOIL   | Hexacosane                        | *             | 160.000   | J 0 | 0    | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | n-Hexadecanoic acid               | *             | 1,100.000 | J 0 | 0    | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Octacosane                        | *             | 120.000   | J 0 | 0    | ug/Kg |
| Q1514-05                 | ENV-103-SB01 | SOIL   | Octadecanoic acid                 | *             | 1,400.000 | J 0 | 0    | ug/Kg |
| Total Tics :             |              |        |                                   | 6,634.50      |           |     |      |       |
| Total Concentration:     |              |        |                                   | 6,964.50      |           |     |      |       |
| Client ID : ENV-105-GW01 |              |        |                                   |               |           |     |      |       |
| Q1514-07                 | ENV-105-GW01 | WATER  | Caprolactam                       |               | 33.200    | 2.1 | 12.5 | ug/L  |
| Total Svoc :             |              |        |                                   | 33.20         |           |     |      |       |
| Q1514-07                 | ENV-105-GW01 | WATER  | 1-Isobutoxy-2-ethylhexane         | *             | 11.700    | J 0 | 0    | ug/L  |
| Q1514-07                 | ENV-105-GW01 | WATER  | Adipic acid, butyl 4-heptyl ester | *             | 28.200    | J 0 | 0    | ug/L  |
| Q1514-07                 | ENV-105-GW01 | WATER  | Benzophenone                      | *             | 2.600     | J 0 | 0    | ug/L  |
| Q1514-07                 | ENV-105-GW01 | WATER  | Hexanoic acid, 2-ethyl-           | *             | 3.500     | J 0 | 0    | ug/L  |
| Q1514-07                 | ENV-105-GW01 | WATER  | n-Hexadecanoic acid               | *             | 3.600     | J 0 | 0    | ug/L  |
| Total Tics :             |              |        |                                   | 49.60         |           |     |      |       |
| Total Concentration:     |              |        |                                   | 82.80         |           |     |      |       |
| Client ID : ENV-103-GW01 |              |        |                                   |               |           |     |      |       |
| Q1514-08                 | ENV-103-GW01 | WATER  | Benzophenone                      | *             | 4.200     | J 0 | 0    | ug/L  |
| Q1514-08                 | ENV-103-GW01 | WATER  | Dimethyl trisulfide               | *             | 3.000     | J 0 | 0    | ug/L  |
| Q1514-08                 | ENV-103-GW01 | WATER  | Disulfide, dimethyl               | *             | 4.200     | J 0 | 0    | ug/L  |
| Q1514-08                 | ENV-103-GW01 | WATER  | n-Hexadecanoic acid               | *             | 3.600     | J 0 | 0    | ug/L  |
| Q1514-08                 | ENV-103-GW01 | WATER  | n-Tetracosanol-1                  | *             | 3.600     | J 0 | 0    | ug/L  |
| Total Tics :             |              |        |                                   | 18.60         |           |     |      |       |
| Total Concentration:     |              |        |                                   | 18.60         |           |     |      |       |
| Client ID : FB03062025   |              |        |                                   |               |           |     |      |       |
| Q1514-09                 | FB03062025   | WATER  | 2-Pentanone, 4-hydroxy-4-methyl   | *             | 8.200     | A 0 | 0    | ug/L  |
| Total Tics :             |              |        |                                   | 8.20          |           |     |      |       |
| Total Concentration:     |              |        |                                   | 8.20          |           |     |      |       |



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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514  
**Client:** Portal Partners Tri-Venture

| Sample ID            | Client ID | Matrix | Parameter | Concentration | C | MDL  | RDL | Units |
|----------------------|-----------|--------|-----------|---------------|---|------|-----|-------|
| Client ID :          |           |        |           | 0.000         |   |      |     |       |
| Total Svoc :         |           |        |           |               |   | 0.00 |     |       |
| Total Concentration: |           |        |           |               |   | 0.00 |     |       |



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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

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| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID :

**Total Concentration:** 0.000

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

| Sample ID                       | Client ID    | Matrix | Parameter    | Concentration | C | MDL  | RDL  | Units |
|---------------------------------|--------------|--------|--------------|---------------|---|------|------|-------|
| <b>Client ID : ENV-103-SB01</b> |              |        |              |               |   |      |      |       |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Aroclor-1254 | 18.9          | J | 3.10 | 19.0 | ug/kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Aroclor-1260 | 12.5          | J | 3.30 | 19.0 | ug/kg |
| <b>Total Concentration:</b>     |              |        |              | <b>31.400</b> |   |      |      |       |



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**Hit Summary Sheet**  
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**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

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| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID :

**Total Concentration:** 0.000

### Hit Summary Sheet SW-846

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

| Sample ID                       | Client ID    | Matrix | Parameter | Concentration | C | MDL    | RDL   | Units |
|---------------------------------|--------------|--------|-----------|---------------|---|--------|-------|-------|
| <b>Client ID : ENV-105-SB01</b> |              |        |           |               |   |        |       |       |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Aluminum  | 5600          |   | 2.18   | 4.53  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Arsenic   | 3.95          |   | 0.26   | 0.91  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Barium    | 100           |   | 0.58   | 4.53  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Beryllium | 0.45          |   | 0.011  | 0.27  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Cadmium   | 0.041         | J | 0.014  | 0.27  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Calcium   | 16200         |   | 2.54   | 90.6  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Chromium  | 19.4          |   | 0.049  | 0.45  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Cobalt    | 8.72          |   | 0.053  | 1.36  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Copper    | 64.1          |   | 0.43   | 0.91  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Iron      | 16900         |   | 2.44   | 4.53  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Lead      | 1050          |   | 0.14   | 0.54  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Magnesium | 3270          |   | 3.11   | 90.6  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Manganese | 227           |   | 0.064  | 0.91  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Mercury   | 1.73          | D | 0.033  | 0.073 | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Nickel    | 20.6          |   | 0.082  | 1.81  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Potassium | 1220          |   | 26.0   | 90.6  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Sodium    | 291           |   | 32.7   | 90.6  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Vanadium  | 24.1          |   | 0.25   | 1.81  | mg/Kg |
| Q1514-01                        | ENV-105-SB01 | SOIL   | Zinc      | 139           |   | 0.10   | 1.81  | mg/Kg |
| <b>Client ID : ENV-105-SB02</b> |              |        |           |               |   |        |       |       |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Aluminum  | 3260          |   | 2.56   | 5.32  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Arsenic   | 2.08          |   | 0.31   | 1.06  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Barium    | 18.7          |   | 0.68   | 5.32  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Beryllium | 0.38          |   | 0.013  | 0.32  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Calcium   | 909           |   | 2.98   | 106   | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Chromium  | 6.40          |   | 0.057  | 0.53  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Cobalt    | 5.36          |   | 0.062  | 1.60  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Copper    | 12.9          |   | 0.50   | 1.06  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Iron      | 10900         |   | 2.86   | 5.32  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Lead      | 19.1          |   | 0.16   | 0.64  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Magnesium | 1090          |   | 3.65   | 106   | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Manganese | 56.4          |   | 0.076  | 1.06  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Mercury   | 0.39          |   | 0.0070 | 0.015 | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Nickel    | 9.52          |   | 0.096  | 2.13  | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Potassium | 314           |   | 30.5   | 106   | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Sodium    | 51.3          | J | 38.4   | 106   | mg/Kg |
| Q1514-03                        | ENV-105-SB02 | SOIL   | Vanadium  | 11.5          |   | 0.29   | 2.13  | mg/Kg |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

| Sample ID                       | Client ID    | Matrix | Parameter | Concentration | C | MDL    | RDL   | Units |
|---------------------------------|--------------|--------|-----------|---------------|---|--------|-------|-------|
| Q1514-03                        | ENV-105-SB02 | SOIL   | Zinc      | 40.4          |   | 0.12   | 2.13  | mg/Kg |
| <b>Client ID : ENV-103-SB01</b> |              |        |           |               |   |        |       |       |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Aluminum  | 6210          |   | 2.36   | 4.90  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Arsenic   | 2.40          |   | 0.28   | 0.98  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Barium    | 31.7          |   | 0.63   | 4.90  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Beryllium | 0.50          |   | 0.012  | 0.29  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Cadmium   | 0.71          |   | 0.016  | 0.29  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Calcium   | 6460          |   | 2.74   | 98.0  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Chromium  | 28.4          |   | 0.053  | 0.49  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Cobalt    | 10.9          |   | 0.057  | 1.47  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Copper    | 37.4          |   | 0.46   | 0.98  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Iron      | 14400         |   | 2.64   | 4.90  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Lead      | 17.0          |   | 0.15   | 0.59  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Magnesium | 4650          |   | 3.36   | 98.0  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Manganese | 140           |   | 0.070  | 0.98  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Mercury   | 0.035         |   | 0.0060 | 0.014 | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Nickel    | 19.1          |   | 0.088  | 1.96  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Potassium | 1810          |   | 28.1   | 98.0  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Sodium    | 192           |   | 35.4   | 98.0  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Vanadium  | 19.2          |   | 0.27   | 1.96  | mg/Kg |
| Q1514-05                        | ENV-103-SB01 | SOIL   | Zinc      | 31.0          |   | 0.11   | 1.96  | mg/Kg |
| <b>Client ID : ENV-105-GW01</b> |              |        |           |               |   |        |       |       |
| Q1514-07                        | ENV-105-GW01 | Water  | Aluminum  | 304000        |   | 28.3   | 50.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Arsenic   | 272           |   | 3.48   | 10.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Barium    | 7040          |   | 6.28   | 50.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Beryllium | 23.8          |   | 0.13   | 3.00  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Cadmium   | 240           |   | 0.094  | 3.00  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Calcium   | 2820000       | D | 330    | 10000 | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Chromium  | 760           |   | 0.66   | 5.00  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Cobalt    | 657           |   | 0.50   | 15.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Copper    | 11300         |   | 7.07   | 10.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Iron      | 1240000       | D | 185    | 500   | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Lead      | 121000        |   | 3.51   | 6.00  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Magnesium | 140000        |   | 39.4   | 1000  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Manganese | 11800         |   | 1.46   | 10.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Mercury   | 67.0          | D | 0.81   | 2.00  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Nickel    | 1980          |   | 0.85   | 20.0  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Potassium | 76100         |   | 685    | 1000  | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Sodium    | 50100         |   | 237    | 1000  | ug/L  |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

| Sample ID                       | Client ID    | Matrix | Parameter | Concentration | C | MDL   | RDL  | Units |
|---------------------------------|--------------|--------|-----------|---------------|---|-------|------|-------|
| Q1514-07                        | ENV-105-GW01 | Water  | Vanadium  | 741           |   | 3.06  | 20.0 | ug/L  |
| Q1514-07                        | ENV-105-GW01 | Water  | Zinc      | 9130          |   | 1.75  | 20.0 | ug/L  |
| <b>Client ID : ENV-103-GW01</b> |              |        |           |               |   |       |      |       |
| Q1514-08                        | ENV-103-GW01 | Water  | Aluminum  | 44700         |   | 28.3  | 50.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Arsenic   | 14.9          |   | 3.48  | 10.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Barium    | 289           |   | 6.28  | 50.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Beryllium | 3.38          |   | 0.13  | 3.00 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Cadmium   | 1.60          | J | 0.094 | 3.00 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Calcium   | 277000        |   | 33.0  | 1000 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Chromium  | 158           |   | 0.66  | 5.00 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Cobalt    | 75.0          |   | 0.50  | 15.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Copper    | 220           |   | 7.07  | 10.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Iron      | 89200         |   | 18.5  | 50.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Lead      | 135           |   | 3.51  | 6.00 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Magnesium | 40500         |   | 39.4  | 1000 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Manganese | 2930          |   | 1.46  | 10.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Mercury   | 0.52          |   | 0.081 | 0.20 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Nickel    | 125           |   | 0.85  | 20.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Potassium | 36200         |   | 685   | 1000 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Sodium    | 403000        |   | 237   | 1000 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Vanadium  | 122           |   | 3.06  | 20.0 | ug/L  |
| Q1514-08                        | ENV-103-GW01 | Water  | Zinc      | 259           |   | 1.75  | 20.0 | ug/L  |
| <b>Client ID : FB03062025</b>   |              |        |           |               |   |       |      |       |
| Q1514-09                        | FB03062025   | Water  | Calcium   | 57.7          | J | 33.0  | 1000 | ug/L  |
| Q1514-09                        | FB03062025   | Water  | Iron      | 23.4          | J | 18.5  | 50.0 | ug/L  |
| Q1514-09                        | FB03062025   | Water  | Manganese | 1.53          | J | 1.46  | 10.0 | ug/L  |
| Q1514-09                        | FB03062025   | Water  | Zinc      | 4.80          | J | 1.75  | 20.0 | ug/L  |



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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1514

**Order ID:** Q1514

**Client:** Portal Partners Tri-Venture

**Project ID:** Amtrak Sawtooth Bridges 2025

| Sample ID                       | Client ID    | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|---------------------------------|--------------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : ENV-105-SB01</b> |              |        |           |               |   |      |      |       |
| Q1514-02                        | ENV-105-SB01 | TCLP   | Barium    | 1160          |   | 62.8 | 500  | ug/L  |
| Q1514-02                        | ENV-105-SB01 | TCLP   | Cadmium   | 2.39          | J | 0.94 | 30.0 | ug/L  |
| Q1514-02                        | ENV-105-SB01 | TCLP   | Lead      | 357           |   | 35.1 | 60.0 | ug/L  |
| <b>Client ID : ENV-105-SB02</b> |              |        |           |               |   |      |      |       |
| Q1514-04                        | ENV-105-SB02 | TCLP   | Barium    | 803           |   | 62.8 | 500  | ug/L  |
| Q1514-04                        | ENV-105-SB02 | TCLP   | Lead      | 59.3          | J | 35.1 | 60.0 | ug/L  |
| <b>Client ID : ENV-103-SB01</b> |              |        |           |               |   |      |      |       |
| Q1514-06                        | ENV-103-SB01 | TCLP   | Barium    | 460           | J | 62.8 | 500  | ug/L  |
| Q1514-06                        | ENV-103-SB01 | TCLP   | Cadmium   | 1.36          | J | 0.94 | 30.0 | ug/L  |
| Q1514-06                        | ENV-103-SB01 | TCLP   | Chromium  | 7.21          | J | 6.60 | 50.0 | ug/L  |