

## **ANALYTICAL RESULT SUMMARY**

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

**PROJECT NAME : EDISON LANDFILL**

**REMINGTON & VERNICK ENGINEERS**

**2059 Springdale Road**

**Cherry Hill, NJ - 08003**

**Phone No: 856-795-9595**

**ORDER ID : Q3586**

**ATTENTION : Kyle Carlson**



**Laboratory Certification ID # 20012**

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

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

| Sample ID         | Client ID      | Matrix | Parameter                       | Concentration | C | MDL         | RDL  | Units |
|-------------------|----------------|--------|---------------------------------|---------------|---|-------------|------|-------|
| <b>Client ID:</b> | <b>SED-1</b>   |        |                                 |               |   |             |      |       |
| Q3586-01          | SED-1          | SOIL   | Acetone                         | 29.8          |   | 4.60        | 24.5 | ug/Kg |
| Q3586-01          | SED-1          | SOIL   | Carbon Disulfide                | 7.20          |   | 1.00        | 4.90 | ug/Kg |
| Q3586-01          | SED-1          | SOIL   | Methylene Chloride              | 12.4          |   | 3.50        | 9.80 | ug/Kg |
|                   |                |        | <b>Total Voc :</b>              |               |   | <b>49.4</b> |      |       |
| Q3586-01          | SED-1          | SOIL   | Tetrahydrofuran                 | * 7.10        | J | 4.60        | 24.5 | ug/Kg |
| Q3586-01          | SED-1          | SOIL   | Tert butyl alcohol              | * 29.8        | J | 13.4        | 24.5 | ug/Kg |
| Q3586-01          | SED-1          | SOIL   | Diethyl Ether                   | * 12.1        | J | 0.75        | 4.90 | ug/Kg |
| Q3586-01          | SED-1          | SOIL   | Diisopropyl ether               | * 15.8        | J | 0.54        | 4.90 | ug/Kg |
|                   |                |        | <b>Total Tics :</b>             |               |   | <b>64.8</b> |      |       |
|                   |                |        | <b>Total Concentration:</b>     |               |   | <b>114</b>  |      |       |
| <b>Client ID:</b> | <b>SED-1RE</b> |        |                                 |               |   |             |      |       |
| Q3586-01RE        | SED-1RE        | SOIL   | Acetone                         | 11.8          | J | 4.80        | 25.5 | ug/Kg |
| Q3586-01RE        | SED-1RE        | SOIL   | Carbon Disulfide                | 3.50          | J | 1.10        | 5.10 | ug/Kg |
| Q3586-01RE        | SED-1RE        | SOIL   | Methylene Chloride              | 5.10          | J | 3.60        | 10.2 | ug/Kg |
|                   |                |        | <b>Total Voc :</b>              |               |   | <b>20.4</b> |      |       |
|                   |                |        | <b>Total Concentration:</b>     |               |   | <b>20.4</b> |      |       |
| <b>Client ID:</b> | <b>SED-2</b>   |        |                                 |               |   |             |      |       |
| Q3586-02          | SED-2          | SOIL   | Acetone                         | 160           |   | 7.50        | 39.4 | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | Carbon Disulfide                | 2.90          | J | 1.70        | 7.90 | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | Methylene Chloride              | 10.6          | J | 5.60        | 15.8 | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | 2-Butanone                      | 52.6          |   | 10.3        | 39.4 | ug/Kg |
|                   |                |        | <b>Total Voc :</b>              |               |   | <b>226</b>  |      |       |
| Q3586-02          | SED-2          | SOIL   | 1-Phenyl-1-butene               | * 38.8        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | 1H-Indene, 2,3-dihydro-1,1,3-ti | * 21.1        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | Naphthalene, 1,2,3,4-tetrahydc  | * 28.8        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | Naphthalene, 1,2,3,4-tetrahydc  | * 20.9        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | Naphthalene, 1,2,3,4-tetrahydc  | * 51.8        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | 1H-Indene, 2,3-dihydro-4,7-din  | * 21.2        | J | 0           | 0    | ug/Kg |
| Q3586-02          | SED-2          | SOIL   | 1,2,4-Trimethylbenzene          | * 2.10        | J | 1.00        | 7.90 | ug/Kg |
|                   |                |        | <b>Total Tics :</b>             |               |   | <b>185</b>  |      |       |
|                   |                |        | <b>Total Concentration:</b>     |               |   | <b>411</b>  |      |       |
| <b>Client ID:</b> | <b>SED-2RE</b> |        |                                 |               |   |             |      |       |
| Q3586-02RE        | SED-2RE        | SOIL   | Acetone                         | 120           |   | 6.80        | 35.6 | ug/Kg |
| Q3586-02RE        | SED-2RE        | SOIL   | 2-Butanone                      | 34.8          | J | 9.30        | 35.6 | ug/Kg |
|                   |                |        | <b>Total Voc :</b>              |               |   | <b>155</b>  |      |       |
|                   |                |        | <b>Total Concentration:</b>     |               |   | <b>155</b>  |      |       |
| <b>Client ID:</b> | <b>SED-3</b>   |        |                                 |               |   |             |      |       |
| Q3586-03          | SED-3          | SOIL   | Acetone                         | 24.0          | J | 7.20        | 38.0 | ug/Kg |

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

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

| Sample ID | Client ID | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|-----------|-----------|--------|-----------------------------|---------------|---|------|------|-------|
| Q3586-03  | SED-3     | SOIL   | Carbon Disulfide            | 5.50          | J | 1.60 | 7.60 | ug/Kg |
|           |           |        | <b>Total Voc :</b>          |               |   | 29.5 |      |       |
| Q3586-03  | SED-3     | SOIL   | Undecane                    | * 10.0        | J | 0    | 0    | ug/Kg |
|           |           |        | <b>Total Tics :</b>         |               |   | 10.0 |      |       |
|           |           |        | <b>Total Concentration:</b> |               |   | 39.5 |      |       |

### Hit Summary Sheet SW-846

**SDG No.:** Q3586  
**Client:** Remington & Vernick Engineers

| Sample ID            | Client ID | Matrix | Parameter                  | Concentration | C         | MDL   | RDL | Units |
|----------------------|-----------|--------|----------------------------|---------------|-----------|-------|-----|-------|
| Client ID : SED-1    |           |        |                            |               |           |       |     |       |
| Q3586-01             | SED-1     | SOIL   | Benzophenone               | *             | 340.000   | J 0   | 0   | ug/Kg |
| Q3586-01             | SED-1     | SOIL   | Butyl tetracosyl ether     | *             | 250.000   | J 0   | 0   | ug/Kg |
| Q3586-01             | SED-1     | SOIL   | n-Hexadecanoic acid        | *             | 360.000   | J 0   | 0   | ug/Kg |
| Total Tics :         |           |        |                            | 950.00        |           |       |     |       |
| Total Concentration: |           |        |                            | 950.00        |           |       |     |       |
| Client ID : SED-2    |           |        |                            |               |           |       |     |       |
| Q3586-02             | SED-2     | SOIL   | Bis(2-ethylhexyl)phthalate |               | 270.000   | J 140 | 410 | ug/Kg |
| Total Svoc :         |           |        |                            | 270.00        |           |       |     |       |
| Q3586-02             | SED-2     | SOIL   | 1-Tricosene                | *             | 270.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Benzophenone               | *             | 910.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Docosane                   | *             | 240.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Docosane, 11-butyl-        | *             | 1,200.000 | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | n-Hexadecanoic acid        | *             | 490.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Octadecane                 | *             | 200.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Tetracosane                | *             | 240.000   | J 0   | 0   | ug/Kg |
| Q3586-02             | SED-2     | SOIL   | Triacontane                | *             | 460.000   | J 0   | 0   | ug/Kg |
| Total Tics :         |           |        |                            | 4,010.00      |           |       |     |       |
| Total Concentration: |           |        |                            | 4,280.00      |           |       |     |       |
| Client ID : SED-3    |           |        |                            |               |           |       |     |       |
| Q3586-03             | SED-3     | SOIL   | Bis(2-ethylhexyl)phthalate |               | 200.000   | J 120 | 330 | ug/Kg |
| Total Svoc :         |           |        |                            | 200.00        |           |       |     |       |
| Q3586-03             | SED-3     | SOIL   | n-Hexadecanoic acid        | *             | 640.000   | J 0   | 0   | ug/Kg |
| Q3586-03             | SED-3     | SOIL   | Octadecanoic acid          | *             | 130.000   | J 0   | 0   | ug/Kg |
| Q3586-03             | SED-3     | SOIL   | 1-Heneicosyl formate       | *             | 350.000   | J 0   | 0   | ug/Kg |
| Q3586-03             | SED-3     | SOIL   | Benzophenone               | *             | 420.000   | J 0   | 0   | ug/Kg |
| Total Tics :         |           |        |                            | 1,540.00      |           |       |     |       |
| Total Concentration: |           |        |                            | 1,740.00      |           |       |     |       |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

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

**SDG No.:** Q3586

**Order ID:** Q3586

**Client:** Remington & Vernick Engineers

**Project ID:** Edison Landfill

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

Client ID :

**Total Concentration:** 0.000



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

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

**SDG No.:** Q3586

**Order ID:** Q3586

**Client:** Remington & Vernick Engineers

**Project ID:** Edison Landfill

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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.:** Q3586

**Order ID:** Q3586

**Client:** Remington & Vernick Engineers

**Project ID:** Edison Landfill

| Sample ID                | Client ID | Matrix | Parameter | Concentration | C | MDL   | RDL   | Units |
|--------------------------|-----------|--------|-----------|---------------|---|-------|-------|-------|
| <b>Client ID : SED-1</b> |           |        |           |               |   |       |       |       |
| Q3586-01                 | SED-1     | SOIL   | Aluminum  | 11200         |   | 1.20  | 7.16  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Antimony  | 0.75          | J | 0.32  | 3.58  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Arsenic   | 5.33          |   | 0.27  | 1.43  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Barium    | 15.8          |   | 1.05  | 7.16  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Beryllium | 0.94          |   | 0.036 | 0.43  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Calcium   | 1040          |   | 15.9  | 143   | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Chromium  | 19.4          |   | 0.067 | 0.72  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Cobalt    | 7.09          |   | 0.14  | 2.15  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Copper    | 10.8          |   | 0.32  | 1.43  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Iron      | 23500         |   | 5.71  | 7.16  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Lead      | 10.3          |   | 0.19  | 0.86  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Magnesium | 3630          |   | 17.2  | 143   | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Manganese | 149           |   | 0.20  | 1.43  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Nickel    | 16.4          |   | 0.19  | 2.86  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Potassium | 1180          |   | 39.7  | 143   | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Selenium  | 0.59          | J | 0.37  | 1.43  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Silver    | 3.16          |   | 0.17  | 0.72  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Sodium    | 1060          |   | 25.5  | 143   | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Vanadium  | 32.8          |   | 0.36  | 2.86  | mg/Kg |
| Q3586-01                 | SED-1     | SOIL   | Zinc      | 48.9          |   | 0.33  | 2.86  | mg/Kg |
| <b>Client ID : SED-2</b> |           |        |           |               |   |       |       |       |
| Q3586-02                 | SED-2     | SOIL   | Aluminum  | 11000         |   | 1.80  | 10.7  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Antimony  | 6.15          |   | 0.47  | 5.34  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Arsenic   | 12.5          |   | 0.41  | 2.14  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Barium    | 65.0          |   | 1.56  | 10.7  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Beryllium | 1.18          |   | 0.053 | 0.64  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Cadmium   | 1.83          |   | 0.051 | 0.64  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Calcium   | 2930          |   | 23.7  | 214   | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Chromium  | 36.6          |   | 0.10  | 1.07  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Cobalt    | 9.66          |   | 0.21  | 3.21  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Copper    | 69.1          |   | 0.47  | 2.14  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Iron      | 29500         |   | 8.53  | 10.7  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Lead      | 86.5          |   | 0.28  | 1.28  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Magnesium | 3390          |   | 25.7  | 214   | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Manganese | 204           |   | 0.30  | 2.14  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Mercury   | 0.54          |   | 0.018 | 0.033 | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Nickel    | 23.1          |   | 0.28  | 4.28  | mg/Kg |

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

**SDG No.:** Q3586

**Order ID:** Q3586

**Client:** Remington & Vernick Engineers

**Project ID:** Edison Landfill

| Sample ID                | Client ID | Matrix | Parameter | Concentration | C | MDL   | RDL   | Units |
|--------------------------|-----------|--------|-----------|---------------|---|-------|-------|-------|
| Q3586-02                 | SED-2     | SOIL   | Potassium | 1440          |   | 59.2  | 214   | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Silver    | 4.13          |   | 0.26  | 1.07  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Sodium    | 1650          |   | 38.0  | 214   | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Vanadium  | 49.3          |   | 0.53  | 4.28  | mg/Kg |
| Q3586-02                 | SED-2     | SOIL   | Zinc      | 150           |   | 0.49  | 4.28  | mg/Kg |
| <b>Client ID : SED-3</b> |           |        |           |               |   |       |       |       |
| Q3586-03                 | SED-3     | SOIL   | Aluminum  | 17500         |   | 1.56  | 9.27  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Antimony  | 0.45          | J | 0.41  | 4.63  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Arsenic   | 9.51          |   | 0.35  | 1.85  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Barium    | 53.5          |   | 1.35  | 9.27  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Beryllium | 1.51          |   | 0.046 | 0.56  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Cadmium   | 0.48          | J | 0.044 | 0.56  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Calcium   | 1880          |   | 20.6  | 185   | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Chromium  | 29.8          |   | 0.087 | 0.93  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Cobalt    | 15.7          |   | 0.19  | 2.78  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Copper    | 22.0          |   | 0.41  | 1.85  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Iron      | 26300         |   | 7.40  | 9.27  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Lead      | 20.6          |   | 0.24  | 1.11  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Magnesium | 6130          |   | 22.2  | 185   | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Manganese | 224           |   | 0.26  | 1.85  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Mercury   | 0.026         |   | 0.014 | 0.025 | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Nickel    | 32.3          |   | 0.24  | 3.71  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Potassium | 2290          |   | 51.3  | 185   | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Silver    | 3.25          |   | 0.22  | 0.93  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Sodium    | 3100          |   | 33.0  | 185   | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Vanadium  | 43.2          |   | 0.46  | 3.71  | mg/Kg |
| Q3586-03                 | SED-3     | SOIL   | Zinc      | 76.6          |   | 0.43  | 3.71  | mg/Kg |