

## Report of Analysis

|                    |                                 |                 |                      |
|--------------------|---------------------------------|-----------------|----------------------|
| Client:            | T&A Construction Inc            | Date Collected: |                      |
| Project:           | Kingsland Point Park Water Main | Date Received:  |                      |
| Client Sample ID:  | PB168877BS                      | SDG No.:        | Q2600                |
| Lab Sample ID:     | PB168877BS                      | Matrix:         | Solid                |
| Analytical Method: | NJEPH                           | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.03      Units:    g          | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                              | Test:           | EPH                  |
| Prep Method :      |                                 |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD049561.D | 1         | 07/16/25    | 07/17/25        | PB168877      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 5.00  |           | 0.12     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 8.39  |           | 0.23     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 15.2  |           | 0.40     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 25.2  |           | 1.19     | 2.66       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 55.3  |           | 40 - 140 | 111%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 53.9  |           | 40 - 140 | 108%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 44.0  |           | 40 - 140 | 88%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB168877BS | Acq On:            | 17 Jul 2025 01:45 |
| Client Sample ID: | PB168877BS | Operator:          | YP/AJ             |
| Data file:        | FD049561.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 71                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response  | Conc    | highest_standard | Units |
|----------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.425  | 6.169  | 10345464  | 75.09   | 200              | ug/ml |
| Aromatic C12-C16           | 6.170  | 8.797  | 19695839  | 126.007 | 300              | ug/ml |
| Aromatic C16-C21           | 8.798  | 13.086 | 36803658  | 228.192 | 500              | ug/ml |
| Aromatic C21-C36           | 13.087 | 18.506 | 53012491  | 378.599 | 800              | ug/ml |
| Aromatic EPH               | 4.425  | 18.506 | 119857452 | 807.888 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.738  | 7.738  | 7234702   | 55.3    |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.604  | 8.604  | 4998441   | 53.94   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.647 | 11.647 | 7219699   | 44.03   |                  | ug/ml |