

# SAMPLE DATA



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

## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | AEI Consultants     | Date Collected: | 04/19/22 |
| Project:           | 442890_Paterson, NJ | Date Received:  | 04/20/22 |
| Client Sample ID:  | UST-1-PB            | SDG No.:        | N2487    |
| Lab Sample ID:     | N2487-01            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Moisture:     | 21.3     |
| Sample Wt/Vol:     | 30.04               | Units:          | g        |
| Soil Aliquot Vol:  |                     | Final Vol:      | 2000 uL  |
|                    |                     | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 4:54   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.24  | J         | 1        | 1.21 | 2.54       | mg/kg             | FC059378.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6.56  |           | 1        | 1.31 | 5.08       | mg/kg             | FC059378.D |
| Total AliphaticEPH | Total AliphaticEPH | 7.80  |           |          | 2.52 | 7.62       | mg/kg             |            |
| Total EPH          | Total EPH          | 7.80  |           |          | 2.52 | 7.62       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-PB            |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-01            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 21.3     |    |
| Sample Wt/Vol:     | 30.04               | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059378.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 6.56  |           | 1.31     | 5.08       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.24  | J         | 1.21     | 2.54       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.8  |           | 40 - 140 | 76%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 38.6  |           | 40 - 140 | 77%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-01   | Acq On:            | 23 Apr 2022 4:54 |
| Client Sample ID: | UST-1-PB   | Operator:          | UA/NP            |
| Data file:        | FC059378.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 27               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 285655   | 2.243   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 10696919 | 77.596  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 525507   | 3.518   | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 885243   | 5.739   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 1722038  | 14.651  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 14115362 | 103.747 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.097 | 11.097 | 6199146  | 38.58   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.542 | 12.542 | 4937369  | 37.81   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 12393324 | 89.096  | 1200             | ug/ml |



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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-N             |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-02            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15       |    |
| Sample Wt/Vol:     | 30.09               | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 5:32   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.24  | J         | 1        | 1.11 | 2.35       | mg/kg             | FC059379.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 11.4  |           | 1        | 1.21 | 4.68       | mg/kg             | FC059379.D |
| Total AliphaticEPH | Total AliphaticEPH | 12.6  |           |          | 2.32 | 7.03       | mg/kg             |            |
| Total EPH          | Total EPH          | 12.6  |           |          | 2.32 | 7.03       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-N             |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-02            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15       |    |
| Sample Wt/Vol:     | 30.09               | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059379.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 11.4  |           | 1.21     | 4.68       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.24  | J         | 1.11     | 2.35       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 43.7  |           | 40 - 140 | 87%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 44.4  |           | 40 - 140 | 89%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-02   | Acq On:            | 23 Apr 2022 5:32 |
| Client Sample ID: | UST-1-N    | Operator:          | UA/NP            |
| Data file:        | FC059379.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 28               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 377380   | 2.963   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 11556231 | 83.83   | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 8170825  | 54.696  | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 1109862  | 7.195   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 1864200  | 15.861  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 23078498 | 164.545 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.098 | 11.098 | 7130787  | 44.38   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.543 | 12.543 | 5705295  | 43.69   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 21214298 | 148.684 | 1200             | ug/ml |



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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-E             |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-03            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 20.7     |    |
| Sample Wt/Vol:     | 30.1                | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 8:01   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.67  | J         | 1        | 1.19 | 2.51       | mg/kg             | FC059383.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 7.25  |           | 1        | 1.30 | 5.04       | mg/kg             | FC059383.D |
| Total AliphaticEPH | Total AliphaticEPH | 8.92  |           |          | 2.49 | 7.55       | mg/kg             |            |
| Total EPH          | Total EPH          | 8.92  |           |          | 2.49 | 7.55       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution





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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-E             |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-03            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 20.7     |    |
| Sample Wt/Vol:     | 30.1                | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059383.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 7.25  |           | 1.30     | 5.04       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.67  | J         | 1.19     | 2.51       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 35.7  |           | 40 - 140 | 71%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.1  |           | 40 - 140 | 74%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-03   | Acq On:            | 23 Apr 2022 8:01 |
| Client Sample ID: | UST-1-E    | Operator:          | UA/NP            |
| Data file:        | FC059383.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 32               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 324224   | 2.545   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 10184218 | 73.877  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 980310   | 6.562   | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 939798   | 6.093   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 2339720  | 19.906  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 14768270 | 108.984 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.096 | 11.096 | 5961268  | 37.1    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.541 | 12.541 | 4662981  | 35.71   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 12428550 | 89.077  | 1200             | ug/ml |



## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | AEI Consultants     | Date Collected: | 04/19/22 |
| Project:           | 442890_Paterson, NJ | Date Received:  | 04/20/22 |
| Client Sample ID:  | UST-1-S             | SDG No.:        | N2487    |
| Lab Sample ID:     | N2487-04            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Moisture:     | 16.7     |
| Sample Wt/Vol:     | 30.06               | Units:          | g        |
| Soil Aliquot Vol:  |                     | Final Vol:      | 2000 uL  |
|                    |                     | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 8:38   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.92  |           | 1        | 1.14 | 2.40       | mg/kg             | FC059384.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 10.4  |           | 1        | 1.24 | 4.80       | mg/kg             | FC059384.D |
| Total AliphaticEPH | Total AliphaticEPH | 16.4  |           |          | 2.38 | 7.20       | mg/kg             |            |
| Total EPH          | Total EPH          | 16.4  |           |          | 2.38 | 7.20       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | AEI Consultants        | Date Collected: | 04/19/22             |
| Project:           | 442890_Paterson, NJ    | Date Received:  | 04/20/22             |
| Client Sample ID:  | UST-1-S                | SDG No.:        | N2487                |
| Lab Sample ID:     | N2487-04               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Moisture:     | 16.7                 |
| Sample Wt/Vol:     | 30.06      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059384.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
|                   | Aliphatic C9-C28          | 10.4  |           | 1.24     | 4.80       | mg/kg   |
|                   | Aliphatic C28-C40         | 5.92  |           | 1.14     | 2.40       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.7  |           | 40 - 140 | 61%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.0  |           | 40 - 140 | 64%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-04   | Acq On:            | 23 Apr 2022 8:38 |
| Client Sample ID: | UST-1-S    | Operator:          | UA/NP            |
| Data file:        | FC059384.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 33               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 357973   | 2.81    | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 11098136 | 80.507  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 6246624  | 41.815  | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 1299792  | 8.427   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 8711413  | 74.117  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 27713938 | 207.676 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.096 | 11.096 | 5147483  | 32.03   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.541 | 12.541 | 4010619  | 30.71   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 19002525 | 133.559 | 1200             | ug/ml |



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

## Report of Analysis

|                    |                     |          |                 |          |    |
|--------------------|---------------------|----------|-----------------|----------|----|
| Client:            | AEI Consultants     |          | Date Collected: | 04/19/22 |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  | 04/20/22 |    |
| Client Sample ID:  | UST-1-W             |          | SDG No.:        | N2487    |    |
| Lab Sample ID:     | N2487-05            |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 17.3     |    |
| Sample Wt/Vol:     | 30.07               | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF   |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 9:15   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.86  |           | 1        | 1.15 | 2.41       | mg/kg             | FC059385.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6.24  |           | 1        | 1.24 | 4.83       | mg/kg             | FC059385.D |
| Total AliphaticEPH | Total AliphaticEPH | 12.1  |           |          | 2.39 | 7.24       | mg/kg             |            |
| Total EPH          | Total EPH          | 12.1  |           |          | 2.39 | 7.24       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | AEI Consultants        | Date Collected: | 04/19/22             |
| Project:           | 442890_Paterson, NJ    | Date Received:  | 04/20/22             |
| Client Sample ID:  | UST-1-W                | SDG No.:        | N2487                |
| Lab Sample ID:     | N2487-05               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Moisture:     | 17.3                 |
| Sample Wt/Vol:     | 30.07      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059385.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 6.24  |           | 1.24     | 4.83       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.86  |           | 1.15     | 2.41       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.8  |           | 40 - 140 | 62%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 31.7  |           | 40 - 140 | 63%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-05   | Acq On:            | 23 Apr 2022 9:15 |
| Client Sample ID: | UST-1-W    | Operator:          | UA/NP            |
| Data file:        | FC059385.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 34               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 326458   | 2.563   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 10690896 | 77.553  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 576235   | 3.857   | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 844168   | 5.473   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 8564887  | 72.871  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 21002644 | 162.316 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.095 | 11.095 | 5099460  | 31.73   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.542 | 12.542 | 4018122  | 30.77   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 12437757 | 89.446  | 1200             | ug/ml |



# QC SUMMARY



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH

Contract: AEIC01

Lab Code: CHEM      CASE No.: N2487

SAS No.: N2487      SDG No.: N2487

Run Number: FC042222AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| UST-1-PB             | 76                        | 77                     |  | 0          |
| UST-1-N              | 87                        | 89                     |  | 0          |
| UST-1-NMS            | 73                        | 72                     |  | 0          |
| UST-1-NMSD           | 78                        | 76                     |  | 0          |
| UST-1-E              | 71                        | 74                     |  | 0          |
| UST-1-S              | 61                        | 64                     |  | 0          |
| UST-1-W              | 62                        | 63                     |  | 0          |
| PB144264BL           | 87                        | 88                     |  | 0          |
| PB144264BS           | 100                       | 95                     |  | 0          |
| PB144264BSD          | 96                        | 91                     |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out



SOLID EPH\_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

AEI Consultants

Lab Code:

CHEM

Cas No:

N2487

SAS No :

N2487

SDG No:

N2487

Sample No :

N2487-02MS

Datafile:

FC059381.D

Client ID :

UST-1-NMS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Aliphatic C28-C40 | 35.3                    | 1.24                             | 37.8                             | 103   |      | (40-140)  |
| Aliphatic C9-C28  | 117.5                   | 11.4                             | 105                              | 80    |      | (40-140)  |



SOLID EPH\_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

AEI Consultants

Lab Code:

CHEM

Cas No:

N2487

SAS No :

N2487

SDG No:

N2487

Sample No :

N2487-02MSD

Datafile:

FC059382.D

Client ID :

UST-1-NMSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit Of<br>RPD |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------------|--------------------|
| Aliphatic C28-C40 | 35.2                    | 1.24                             | 39.3                             | 108   |      | 4.74   (40-140) | 25                 |
| Aliphatic C9-C28  | 117.4                   | 11.4                             | 110                              | 84    |      | 5.5   (40-140)  | 25                 |



SOLID EPH\_NF    LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

AEI Consultants

Lab Code:

CHEM

Cas No:

N2487

SAS No :

N2487

SDG No:

N2487

Sample No :

PB144264BS

Datafile:

FC059376.D

Client ID :

PB144264BS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aliphatic C28-C40 | 30.0                    | 28.5                               | 95    |      | (40-140)  |
| Aliphatic C9-C28  | 99.9                    | 91.5                               | 92    |      | (40-140)  |



SOLID EPH\_NF    LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

AEI Consultants

Lab Code:

CHEM

Cas No:

N2487

SAS No :

N2487

SDG No:

N2487

Sample No :

PB144264BSD

Datafile:

FC059377.D

Client ID :

PB144264BSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|-------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aliphatic C28-C40 | 30.0                    | 27.3                               | 91    |      | 4.4  (40-140)   | 50                 |
| Aliphatic C9-C28  | 100.1                   | 88.5                               | 88    |      | 3.5  (40-140)   | 50                 |



4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB144264BL

Lab Name: CHEMTECH

Contract: AEIC01

Lab Code: CHEM Case No.: N2487

SAS No.: N2487 SDG NO.: N2487

Instrument ID: FID\_C

Lab Sample ID: PB144264BL

Matrix: (soil/water) Solid

Date Extracted: 4/21/2022 9:36:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB144264BS        | PB144264BS       |
| PB144264BSD       | PB144264BSD      |
| UST-1-PB          | N2487-01         |
| UST-1-N           | N2487-02         |
| UST-1-NMS         | N2487-02MS       |
| UST-1-NMSD        | N2487-02MSD      |
| UST-1-E           | N2487-03         |
| UST-1-S           | N2487-04         |
| UST-1-W           | N2487-05         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

# QC SAMPLE DATA





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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | PB144264BL          |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | PB144264BL          |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0      |    |
| Sample Wt/Vol:     | 30.01               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 2:59   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 0.95  | U         | 1        | 0.95 | 2.00       | mg/kg             | FC059375.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.03  | U         | 1        | 1.03 | 4.00       | mg/kg             | FC059375.D |
| Total AliphaticEPH | Total AliphaticEPH | 1.98  | U         |          | 1.98 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 1.98  | U         |          | 1.98 | 6.00       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | PB144264BL          |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | PB144264BL          |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0      |    |
| Sample Wt/Vol:     | 30.01               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059375.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1.03  | U         | 1.03     | 4.00       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 0.95  | U         | 0.95     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 43.7  |           | 40 - 140 | 87%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 43.8  |           | 40 - 140 | 88%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | PB144264BL | Acq On:            | 23 Apr 2022 2:59 |
| Client Sample ID: | PB144264BL | Operator:          | UA/NP            |
| Data file:        | FC059375.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 24               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.098 | 11.098 | 7040614  | 43.81 |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.544 | 12.544 | 5710984  | 43.73 |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 0        | 0     | 1200             | ug/ml |



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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | PB144264BS          |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | PB144264BS          |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0      |    |
| Sample Wt/Vol:     | 30.03               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 3:38   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 28.5  |           | 1        | 0.95 | 2.00       | mg/kg             | FC059376.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 91.5  | E         | 1        | 1.03 | 3.99       | mg/kg             | FC059376.D |
| Total AliphaticEPH | Total AliphaticEPH | 120   |           |          | 1.98 | 5.99       | mg/kg             |            |
| Total EPH          | Total EPH          | 120   |           |          | 1.98 | 5.99       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |         |
|--------------------|---------------------|----------|-----------------|---------|
| Client:            | AEI Consultants     |          | Date Collected: |         |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |         |
| Client Sample ID:  | PB144264BS          |          | SDG No.:        | N2487   |
| Lab Sample ID:     | PB144264BS          |          | Matrix:         | Solid   |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0       |
| Sample Wt/Vol:     | 30.03               | Units: g | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF  |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059376.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 91.5  | E         | 1.03     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 28.5  |           | 0.95     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 50.0  |           | 40 - 140 | 100%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 47.4  |           | 40 - 140 | 95%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | PB144264BS | Acq On:            | 23 Apr 2022 3:38 |
| Client Sample ID: | PB144264BS | Operator:          | UA/NP            |
| Data file:        | FC059376.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 25               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 29358568  | 230.486 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 50688293  | 367.697 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 53326035  | 356.968 | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 64275360  | 416.704 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 50343825  | 428.328 | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 247992081 | 1800    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.099 | 11.099 | 7623795   | 47.44   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.545 | 12.545 | 6531264   | 50.02   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 197648256 | 1370    | 1200             | ug/ml |



## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | PB144264BSD         |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | PB144264BSD         |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0      |    |
| Sample Wt/Vol:     | 30                  | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 4:16   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 27.3  |           | 1        | 0.95 | 2.00       | mg/kg             | FC059377.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 88.5  | E         | 1        | 1.03 | 4.00       | mg/kg             | FC059377.D |
| Total AliphaticEPH | Total AliphaticEPH | 116   |           |          | 1.98 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 116   |           |          | 1.98 | 6.00       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |         |
|--------------------|---------------------|----------|-----------------|---------|
| Client:            | AEI Consultants     |          | Date Collected: |         |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |         |
| Client Sample ID:  | PB144264BSD         |          | SDG No.:        | N2487   |
| Lab Sample ID:     | PB144264BSD         |          | Matrix:         | Solid   |
| Analytical Method: | NJEPH               |          | % Moisture:     | 0       |
| Sample Wt/Vol:     | 30                  | Units: g | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF  |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059377.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 88.5  | E         | 1.03     | 4.00       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 27.3  |           | 0.95     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 48.0  |           | 40 - 140 | 96%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 45.5  |           | 40 - 140 | 91%        | SPK: 50 |





284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                  |
|-------------------|-------------|--------------------|------------------|
| Lab Sample ID:    | PB144264BSD | Acq On:            | 23 Apr 2022 4:16 |
| Client Sample ID: | PB144264BSD | Operator:          | UA/NP            |
| Data file:        | FC059377.D  | Misc:              |                  |
| Instrument:       | FID_C       | ALS Vial:          | 26               |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 28214265  | 221.502 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 49566129  | 359.556 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 51466670  | 344.521 | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 61669981  | 399.813 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 48090881  | 409.16  | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 239007926 | 1730    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.099 | 11.099 | 7313154   | 45.51   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.544 | 12.544 | 6263732   | 47.97   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 190917045 | 1330    | 1200             | ug/ml |



## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | UST-1-NMS           |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | N2487-02MS          |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15     |    |
| Sample Wt/Vol:     | 30.03               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 6:46   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 37.8  |           | 1        | 1.12 | 2.35       | mg/kg             | FC059381.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 105   | E         | 1        | 1.21 | 4.71       | mg/kg             | FC059381.D |
| Total AliphaticEPH | Total AliphaticEPH | 143   |           |          | 2.33 | 7.06       | mg/kg             |            |
| Total EPH          | Total EPH          | 143   |           |          | 2.33 | 7.06       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | UST-1-NMS           |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | N2487-02MS          |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15     |    |
| Sample Wt/Vol:     | 30.03               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059381.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 105   | E         | 1.21     | 4.71       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 37.8  |           | 1.12     | 2.35       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.3  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 35.9  |           | 40 - 140 | 72%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                  |
|-------------------|------------|--------------------|------------------|
| Lab Sample ID:    | N2487-02MS | Acq On:            | 23 Apr 2022 6:46 |
| Client Sample ID: | UST-1-NMS  | Operator:          | UA/NP            |
| Data file:        | FC059381.D | Misc:              |                  |
| Instrument:       | FID_C      | ALS Vial:          | 30               |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 26079778  | 204.745 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 52058225  | 377.634 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 52133960  | 348.988 | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 62590322  | 405.78  | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 56691949  | 482.338 | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 249554234 | 1820    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.098 | 11.098 | 5775074   | 35.94   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.542 | 12.542 | 4740758   | 36.3    |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 192862285 | 1340    | 1200             | ug/ml |



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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | UST-1-NMSD          |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | N2487-02MSD         |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15     |    |
| Sample Wt/Vol:     | 30.05               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/21/22 09:36 | 04/23/22 7:24   | PB144264      |

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) | Datafile   |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 39.3  |           | 1        | 1.12 | 2.35       | mg/kg             | FC059382.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 110   | E         | 1        | 1.21 | 4.69       | mg/kg             | FC059382.D |
| Total AliphaticEPH | Total AliphaticEPH | 149   |           |          | 2.33 | 7.04       | mg/kg             |            |
| Total EPH          | Total EPH          | 149   |           |          | 2.33 | 7.04       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution



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

## Report of Analysis

|                    |                     |          |                 |        |    |
|--------------------|---------------------|----------|-----------------|--------|----|
| Client:            | AEI Consultants     |          | Date Collected: |        |    |
| Project:           | 442890_Paterson, NJ |          | Date Received:  |        |    |
| Client Sample ID:  | UST-1-NMSD          |          | SDG No.:        | N2487  |    |
| Lab Sample ID:     | N2487-02MSD         |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH               |          | % Moisture:     | 15     |    |
| Sample Wt/Vol:     | 30.05               | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                     | uL       | Test:           | EPH_NF |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC059382.D | 1         | 04/21/22    | 04/23/22        | PB144264      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 110   | E         | 1.21     | 4.69       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 39.3  |           | 1.12     | 2.35       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 38.9  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 38.0  |           | 40 - 140 | 76%        | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                  |
|-------------------|-------------|--------------------|------------------|
| Lab Sample ID:    | N2487-02MSD | Acq On:            | 23 Apr 2022 7:24 |
| Client Sample ID: | UST-1-NMSD  | Operator:          | UA/NP            |
| Data file:        | FC059382.D  | Misc:              |                  |
| Instrument:       | FID_C       | ALS Vial:          | 31               |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00             |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 2.862  | 6.099  | 27597527  | 216.66  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.100  | 9.471  | 53797039  | 390.248 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.472  | 12.813 | 54974064  | 368     | 300              | ug/ml |
| Aliphatic C21-C28         | 12.814 | 16.454 | 66006313  | 427.926 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.455 | 21.124 | 58952765  | 501.573 | 600              | ug/ml |
| Aliphatic EPH             | 2.862  | 21.124 | 261327708 | 1900    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.098 | 11.098 | 6109433   | 38.02   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.542 | 12.542 | 5077122   | 38.88   |                  | ug/ml |
| Aliphatic C9-C28          | 2.862  | 16.454 | 202374943 | 1400    | 1200             | ug/ml |

# CALIBRATION SUMMARY

A

B

C

D

E

F

G

H

I

J



# Initial Calibration Report for SequenceID : FC042122AL

## AreaCount

| Parameter Range   | FC059341.D    | FC059342.D    | FC059343.D   | FC059344.D   | FC059345.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 39128828.000  | 19432659.000  | 7329400.000  | 3849131.000  | 1896656.000  |  |
| Aliphatic C12-C16 | 27725647.000  | 13753250.000  | 5254220.000  | 2809443.000  | 1412795.000  |  |
| Aliphatic C16-C21 | 43939351.000  | 21981521.000  | 8505407.000  | 4622834.000  | 2371074.000  |  |
| Aliphatic C21-C28 | 58476432.000  | 29974250.000  | 11773834.000 | 6426121.000  | 3346924.000  |  |
| Aliphatic C28-C40 | 62252173.000  | 33482711.000  | 13699504.000 | 7617316.000  | 3935943.000  |  |
| Aliphatic EPH     | 231522431.000 | 118624391.000 | 46562365.000 | 25324845.000 | 12963392.000 |  |

## AVG Response Factor

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 127377.0506662 | 2.575 |  |  |  |  |
| Aliphatic C12-C16 | 137853.577     | 2.845 |  |  |  |  |
| Aliphatic C16-C21 | 149386.165333  | 4.395 |  |  |  |  |
| Aliphatic C21-C28 | 154246.896     | 6.036 |  |  |  |  |
| Aliphatic C28-C40 | 117535.7116662 | 9.624 |  |  |  |  |
| Aliphatic EPH     | 134899.9253326 | 5.202 |  |  |  |  |

## Concentration

| Parameter Range   | FC059341.D | FC059342.D | FC059343.D | FC059344.D | FC059345.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

## Response Factor

| Parameter Range   | FC059341.D    | FC059342.D    | FC059343.D    | FC059344.D    | FC059345.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 130429.426666 | 129551.060000 | 122156.666666 | 128304.366666 | 126443.733333 |  |
| Aliphatic C12-C16 | 138628.235000 | 137532.500000 | 131355.500000 | 140472.150000 | 141279.500000 |  |
| Aliphatic C16-C21 | 146464.503333 | 146543.473333 | 141756.783333 | 154094.466666 | 158071.600000 |  |
| Aliphatic C21-C28 | 146191.080000 | 149871.250000 | 147172.925000 | 160653.025000 | 167346.200000 |  |
| Aliphatic C28-C40 | 103753.621666 | 111609.036666 | 114162.533333 | 126955.266666 | 131198.100000 |  |



Initial Calibration Report for SequenceID : FC042122AL

|               |               |               |               |               |               |  |
|---------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic EPH | 128623.572777 | 131804.878888 | 129339.902777 | 140693.583333 | 144037.688888 |  |
|---------------|---------------|---------------|---------------|---------------|---------------|--|

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC042222AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FC059373.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7416761.000  | 60.000  | 2.862  | 6.099  | 123612.683 | 127377.051 | 2.955  |
| Aliphatic C12-C16 | 5347385.000  | 40.000  | 6.100  | 9.471  | 133684.625 | 137853.577 | 3.024  |
| Aliphatic C16-C21 | 8570500.000  | 60.000  | 9.472  | 12.813 | 142841.667 | 149386.165 | 4.381  |
| Aliphatic C21-C28 | 11228095.000 | 80.000  | 12.814 | 16.454 | 140351.188 | 154246.896 | 9.009  |
| Aliphatic C28-C40 | 11827992.000 | 120.000 | 16.455 | 21.124 | 98566.600  | 117535.712 | 16.139 |
| Aliphatic EPH     | 44390733.000 | 360.000 | 2.862  | 21.124 | 123307.592 | 134899.925 | 8.593  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 23 Apr 2022 00:25 |
| Client Sample ID: |                       | Operator:          | UA/NP             |
| Data file:        | FC059373.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 2.862  | 6.099  | 7416761.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.100  | 9.471  | 5347385.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.472  | 12.813 | 8570500.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 12.814 | 16.454 | 11228095.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 16.455 | 21.124 | 11827992.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 2.862  | 21.124 | 44390733.000 | 360.000 | ug/ml |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC042222AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FC059395.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7720386.000  | 60.000  | 2.862  | 6.099  | 128673.100 | 127377.051 | -1.017 |
| Aliphatic C12-C16 | 5634325.000  | 40.000  | 6.100  | 9.471  | 140858.125 | 137853.577 | -2.180 |
| Aliphatic C16-C21 | 8826621.000  | 60.000  | 9.472  | 12.813 | 147110.350 | 149386.165 | 1.523  |
| Aliphatic C21-C28 | 11056145.000 | 80.000  | 12.814 | 16.454 | 138201.813 | 154246.896 | 10.402 |
| Aliphatic C28-C40 | 11972270.000 | 120.000 | 16.455 | 21.124 | 99768.917  | 117535.712 | 15.116 |
| Aliphatic EPH     | 45209747.000 | 360.000 | 2.862  | 21.124 | 125582.631 | 134899.925 | 6.907  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 23 Apr 2022 15:31 |
| Client Sample ID: |                       | Operator:          | UA/NP             |
| Data file:        | FC059395.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 2.862  | 6.099  | 7720386.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.100  | 9.471  | 5634325.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.472  | 12.813 | 8826621.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 12.814 | 16.454 | 11056145.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 16.455 | 21.124 | 11972270.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 2.862  | 21.124 | 45209747.000 | 360.000 | ug/ml |

SAMPLE  
RAW  
DATA

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059378.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 4:54  
 Operator : UA/NP  
 Sample : N2487-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 UST-1-PB

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 23 05:20:40 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.097 | 6199146  | 38.578 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 77.16%     |
| 12) S 1-chlorooctadecane (S... | 12.542 | 4937369  | 37.810 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 75.62%     |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

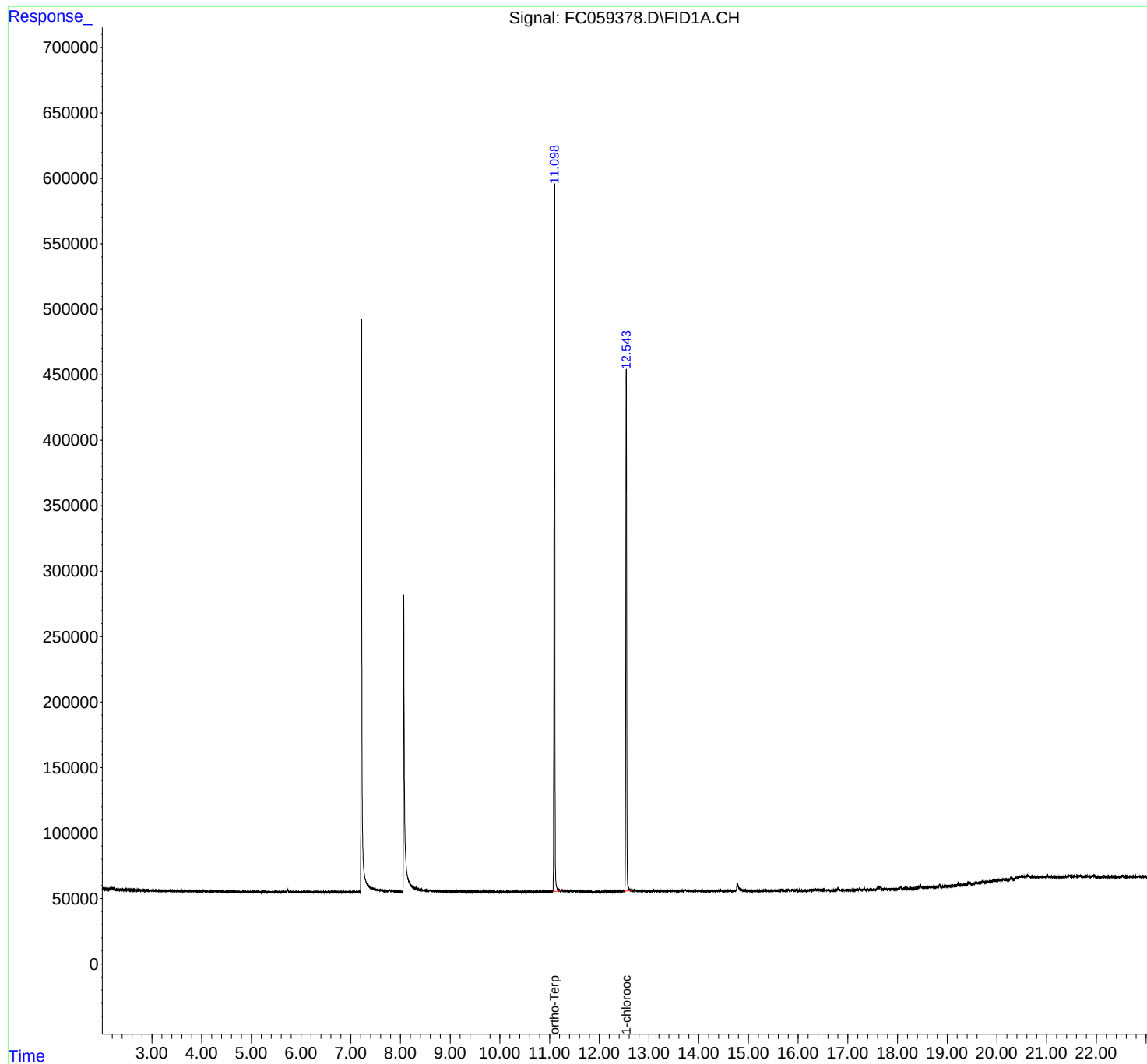


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059378.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 4:54  
Operator : UA/NP  
Sample : N2487-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-PB

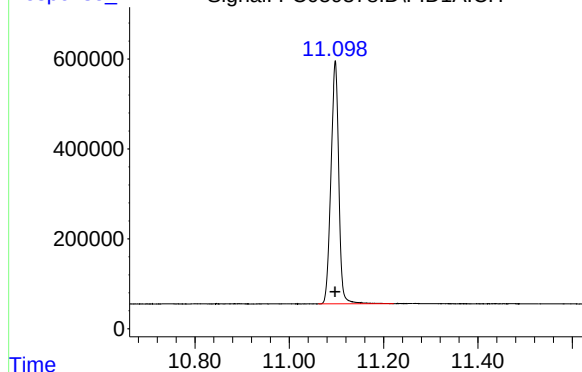
Integration File: sample.E  
Quant Time: Apr 23 05:20:40 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



Signal: FC059378.D\FID1A.CH

#9 ortho-Terphenyl (SURR)

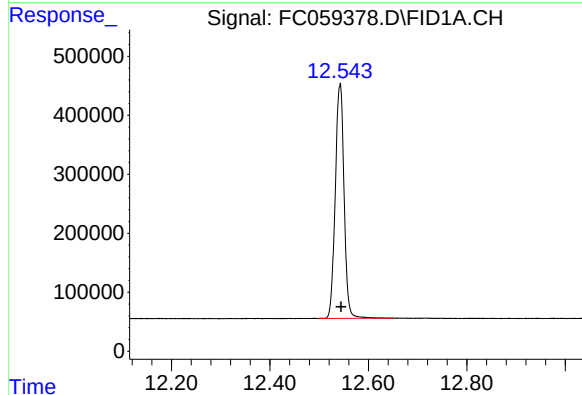


R.T.: 11.097 min  
Delta R.T.: 0.000 min  
Response: 6199146  
Conc: 38.58 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-PB

Signal: FC059378.D\FID1A.CH

#12 1-chlorooctadecane (SURR)



R.T.: 12.542 min  
Delta R.T.: -0.002 min  
Response: 4937369  
Conc: 37.81 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059378.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 4:54  
 Sample : N2487-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.933       | 2.905        | 2.958      | BV       | 118            | 1535         | 0.02%          | 0.006%        |
| 2         | 2.968       | 2.958        | 3.061      | VV       | 97             | 2705         | 0.04%          | 0.011%        |
| 3         | 3.098       | 3.061        | 3.110      | PV       | 116            | 2120         | 0.03%          | 0.008%        |
| 4         | 3.122       | 3.110        | 3.178      | VV       | 146            | 4975         | 0.08%          | 0.020%        |
| 5         | 3.191       | 3.178        | 3.202      | VV       | 124            | 1573         | 0.03%          | 0.006%        |
| 6         | 3.231       | 3.202        | 3.244      | VV       | 170            | 2558         | 0.04%          | 0.010%        |
| 7         | 3.259       | 3.244        | 3.278      | VV       | 158            | 1942         | 0.03%          | 0.008%        |
| 8         | 3.299       | 3.278        | 3.331      | VV       | 132            | 2012         | 0.03%          | 0.008%        |
| 9         | 3.343       | 3.331        | 3.352      | PV       | 58             | 474          | 0.01%          | 0.002%        |
| 10        | 3.372       | 3.352        | 3.390      | VV       | 135            | 1677         | 0.03%          | 0.007%        |
| 11        | 3.401       | 3.390        | 3.441      | VV       | 190            | 3263         | 0.05%          | 0.013%        |
| 12        | 3.446       | 3.441        | 3.455      | VV       | 168            | 1029         | 0.02%          | 0.004%        |
| 13        | 3.470       | 3.455        | 3.515      | VV       | 234            | 5712         | 0.09%          | 0.022%        |
| 14        | 3.535       | 3.515        | 3.555      | VV       | 214            | 2611         | 0.04%          | 0.010%        |
| 15        | 3.604       | 3.555        | 3.645      | PV       | 392            | 10023        | 0.16%          | 0.039%        |
| 16        | 3.654       | 3.645        | 3.685      | VV       | 172            | 1798         | 0.03%          | 0.007%        |
| 17        | 3.741       | 3.685        | 3.752      | PV       | 239            | 5307         | 0.08%          | 0.021%        |
| 18        | 3.761       | 3.752        | 3.807      | VV       | 192            | 4517         | 0.07%          | 0.018%        |
| 19        | 3.830       | 3.807        | 3.898      | VV       | 252            | 7078         | 0.11%          | 0.028%        |
| 20        | 3.918       | 3.898        | 3.931      | VV       | 195            | 2894         | 0.05%          | 0.011%        |
| 21        | 3.944       | 3.931        | 3.987      | VV       | 205            | 4198         | 0.07%          | 0.017%        |
| 22        | 4.007       | 3.987        | 4.026      | VV       | 234            | 4086         | 0.07%          | 0.016%        |
| 23        | 4.032       | 4.026        | 4.041      | VV       | 203            | 1444         | 0.02%          | 0.006%        |
| 24        | 4.046       | 4.041        | 4.082      | VV       | 208            | 3523         | 0.06%          | 0.014%        |
| 25        | 4.112       | 4.082        | 4.136      | VV       | 199            | 3916         | 0.06%          | 0.015%        |
| 26        | 4.175       | 4.136        | 4.187      | VV       | 288            | 4678         | 0.07%          | 0.018%        |
| 27        | 4.201       | 4.187        | 4.251      | VV       | 324            | 8593         | 0.14%          | 0.034%        |
| 28        | 4.277       | 4.251        | 4.324      | VV       | 402            | 9741         | 0.16%          | 0.038%        |
| 29        | 4.342       | 4.324        | 4.368      | VV       | 306            | 4447         | 0.07%          | 0.017%        |
| 30        | 4.392       | 4.368        | 4.413      | VV       | 341            | 4769         | 0.08%          | 0.019%        |
| 31        | 4.426       | 4.413        | 4.452      | VV       | 265            | 3550         | 0.06%          | 0.014%        |
| 32        | 4.463       | 4.452        | 4.509      | PV       | 176            | 3809         | 0.06%          | 0.015%        |
| 33        | 4.524       | 4.509        | 4.545      | VV       | 235            | 3552         | 0.06%          | 0.014%        |
| 34        | 4.558       | 4.545        | 4.589      | VV       | 293            | 4889         | 0.08%          | 0.019%        |
| 35        | 4.601       | 4.589        | 4.622      | VV       | 251            | 2939         | 0.05%          | 0.012%        |
| 36        | 4.665       | 4.622        | 4.705      | VV       | 251            | 8266         | 0.13%          | 0.032%        |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 4.731 | 4.705 | 4.762 | VV | 179    | 2764    | 0.04%  | 0.011%  |
| 38 | 4.780 | 4.762 | 4.838 | VV | 203    | 3800    | 0.06%  | 0.015%  |
| 39 | 4.857 | 4.838 | 4.871 | VV | 158    | 2628    | 0.04%  | 0.010%  |
| 40 | 4.893 | 4.871 | 4.971 | VV | 318    | 8259    | 0.13%  | 0.032%  |
| 41 | 4.979 | 4.971 | 5.007 | VV | 143    | 2013    | 0.03%  | 0.008%  |
| 42 | 5.024 | 5.007 | 5.061 | VV | 204    | 5257    | 0.08%  | 0.021%  |
| 43 | 5.102 | 5.061 | 5.198 | VV | 305    | 16652   | 0.27%  | 0.065%  |
| 44 | 5.204 | 5.198 | 5.213 | VV | 45     | 604     | 0.01%  | 0.002%  |
| 45 | 5.233 | 5.213 | 5.308 | VV | 172    | 4697    | 0.07%  | 0.018%  |
| 46 | 5.339 | 5.308 | 5.349 | VV | 189    | 2505    | 0.04%  | 0.010%  |
| 47 | 5.362 | 5.349 | 5.379 | VV | 196    | 2235    | 0.04%  | 0.009%  |
| 48 | 5.413 | 5.379 | 5.425 | PV | 120    | 1727    | 0.03%  | 0.007%  |
| 49 | 5.476 | 5.425 | 5.508 | VV | 280    | 7158    | 0.11%  | 0.028%  |
| 50 | 5.564 | 5.508 | 5.605 | VV | 336    | 9760    | 0.16%  | 0.038%  |
| 51 | 5.613 | 5.605 | 5.625 | VV | 153    | 2111    | 0.03%  | 0.008%  |
| 52 | 5.638 | 5.625 | 5.647 | VV | 270    | 2350    | 0.04%  | 0.009%  |
| 53 | 5.658 | 5.647 | 5.686 | VV | 231    | 3835    | 0.06%  | 0.015%  |
| 54 | 5.733 | 5.686 | 5.758 | VV | 1944   | 26065   | 0.41%  | 0.102%  |
| 55 | 5.773 | 5.758 | 5.803 | VV | 333    | 6516    | 0.10%  | 0.026%  |
| 56 | 5.820 | 5.803 | 5.835 | VV | 248    | 3036    | 0.05%  | 0.012%  |
| 57 | 5.844 | 5.835 | 5.880 | VV | 198    | 3861    | 0.06%  | 0.015%  |
| 58 | 5.915 | 5.880 | 5.989 | VV | 387    | 13385   | 0.21%  | 0.053%  |
| 59 | 6.025 | 5.989 | 6.038 | VV | 287    | 5708    | 0.09%  | 0.022%  |
| 60 | 6.054 | 6.038 | 6.071 | VV | 262    | 3594    | 0.06%  | 0.014%  |
| 61 | 6.085 | 6.071 | 6.101 | VV | 229    | 2932    | 0.05%  | 0.012%  |
| 62 | 6.115 | 6.101 | 6.130 | VV | 200    | 2347    | 0.04%  | 0.009%  |
| 63 | 6.147 | 6.130 | 6.181 | VV | 245    | 5578    | 0.09%  | 0.022%  |
| 64 | 6.194 | 6.181 | 6.263 | VV | 202    | 7155    | 0.11%  | 0.028%  |
| 65 | 6.305 | 6.263 | 6.330 | VV | 297    | 7876    | 0.13%  | 0.031%  |
| 66 | 6.342 | 6.330 | 6.361 | PV | 203    | 1725    | 0.03%  | 0.007%  |
| 67 | 6.382 | 6.361 | 6.416 | PV | 214    | 4227    | 0.07%  | 0.017%  |
| 68 | 6.451 | 6.416 | 6.465 | VV | 288    | 5371    | 0.09%  | 0.021%  |
| 69 | 6.505 | 6.465 | 6.635 | VV | 331    | 16796   | 0.27%  | 0.066%  |
| 70 | 6.683 | 6.635 | 6.745 | VV | 231    | 6899    | 0.11%  | 0.027%  |
| 71 | 6.769 | 6.745 | 6.831 | PV | 192    | 4050    | 0.06%  | 0.016%  |
| 72 | 6.858 | 6.831 | 6.895 | VV | 219    | 2829    | 0.05%  | 0.011%  |
| 73 | 6.926 | 6.895 | 6.985 | PV | 339    | 10891   | 0.17%  | 0.043%  |
| 74 | 6.995 | 6.985 | 7.099 | VV | 264    | 12459   | 0.20%  | 0.049%  |
| 75 | 7.131 | 7.099 | 7.158 | VV | 412    | 9170    | 0.15%  | 0.036%  |
| 76 | 7.213 | 7.158 | 7.585 | VV | 424654 | 5971775 | 95.07% | 23.477% |
| 77 | 7.597 | 7.585 | 7.675 | VV | 1483   | 62587   | 1.00%  | 0.246%  |
| 78 | 7.688 | 7.675 | 7.757 | VV | 1034   | 45348   | 0.72%  | 0.178%  |
| 79 | 7.785 | 7.757 | 7.911 | VV | 1679   | 75808   | 1.21%  | 0.298%  |
| 80 | 7.938 | 7.911 | 7.995 | VV | 629    | 22145   | 0.35%  | 0.087%  |
| 81 | 8.019 | 7.995 | 8.041 | VV | 485    | 11268   | 0.18%  | 0.044%  |
| 82 | 8.066 | 8.041 | 8.565 | VV | 220621 | 4098176 | 65.24% | 16.111% |
| 83 | 8.609 | 8.565 | 8.775 | VV | 1306   | 112454  | 1.79%  | 0.442%  |
| 84 | 8.793 | 8.775 | 8.847 | VV | 714    | 26538   | 0.42%  | 0.104%  |
| 85 | 8.886 | 8.847 | 8.933 | VV | 602    | 26176   | 0.42%  | 0.103%  |
| 86 | 8.950 | 8.933 | 8.989 | VV | 572    | 17095   | 0.27%  | 0.067%  |
| 87 | 9.031 | 8.989 | 9.113 | VV | 575    | 36256   | 0.58%  | 0.143%  |
| 88 | 9.135 | 9.113 | 9.161 | VV | 499    | 11762   | 0.19%  | 0.046%  |
| 89 | 9.191 | 9.161 | 9.251 | VV | 699    | 24965   | 0.40%  | 0.098%  |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 90  | 9.283  | 9.251  | 9.301  | VV | 610    | 12839   | 0.20%   | 0.050%  |
| 91  | 9.316  | 9.301  | 9.345  | VV | 449    | 10403   | 0.17%   | 0.041%  |
| 92  | 9.385  | 9.345  | 9.484  | VV | 581    | 33951   | 0.54%   | 0.133%  |
| 93  | 9.506  | 9.484  | 9.548  | VV | 397    | 11026   | 0.18%   | 0.043%  |
| 94  | 9.559  | 9.548  | 9.595  | VV | 646    | 5791    | 0.09%   | 0.023%  |
| 95  | 9.616  | 9.595  | 9.637  | VV | 301    | 4849    | 0.08%   | 0.019%  |
| 96  | 9.674  | 9.637  | 9.697  | VV | 375    | 8300    | 0.13%   | 0.033%  |
| 97  | 9.717  | 9.697  | 9.778  | VV | 340    | 11834   | 0.19%   | 0.047%  |
| 98  | 9.887  | 9.778  | 9.917  | VV | 388    | 22917   | 0.36%   | 0.090%  |
| 99  | 9.961  | 9.917  | 9.981  | VV | 341    | 8875    | 0.14%   | 0.035%  |
| 100 | 10.014 | 9.981  | 10.065 | VV | 354    | 12881   | 0.21%   | 0.051%  |
| 101 | 10.111 | 10.065 | 10.153 | VV | 520    | 15674   | 0.25%   | 0.062%  |
| 102 | 10.175 | 10.153 | 10.198 | VV | 448    | 7693    | 0.12%   | 0.030%  |
| 103 | 10.221 | 10.198 | 10.265 | VV | 363    | 9931    | 0.16%   | 0.039%  |
| 104 | 10.316 | 10.265 | 10.401 | VV | 350    | 18699   | 0.30%   | 0.074%  |
| 105 | 10.414 | 10.401 | 10.511 | VV | 265    | 14386   | 0.23%   | 0.057%  |
| 106 | 10.550 | 10.511 | 10.611 | VV | 406    | 15883   | 0.25%   | 0.062%  |
| 107 | 10.618 | 10.611 | 10.725 | VV | 382    | 17484   | 0.28%   | 0.069%  |
| 108 | 10.742 | 10.725 | 10.788 | VV | 448    | 12608   | 0.20%   | 0.050%  |
| 109 | 10.810 | 10.788 | 10.853 | VV | 583    | 16096   | 0.26%   | 0.063%  |
| 110 | 10.891 | 10.853 | 10.921 | VV | 672    | 17700   | 0.28%   | 0.070%  |
| 111 | 10.963 | 10.921 | 11.025 | VV | 494    | 22602   | 0.36%   | 0.089%  |
| 112 | 11.097 | 11.025 | 11.248 | VV | 546544 | 6281573 | 100.00% | 24.695% |
| 113 | 11.263 | 11.248 | 11.415 | VV | 1233   | 77313   | 1.23%   | 0.304%  |
| 114 | 11.433 | 11.415 | 11.458 | VV | 688    | 16652   | 0.27%   | 0.065%  |
| 115 | 11.473 | 11.458 | 11.535 | VV | 788    | 25451   | 0.41%   | 0.100%  |
| 116 | 11.563 | 11.535 | 11.658 | VV | 512    | 25298   | 0.40%   | 0.099%  |
| 117 | 11.687 | 11.658 | 11.748 | VV | 221    | 8275    | 0.13%   | 0.033%  |
| 118 | 11.762 | 11.748 | 11.776 | VV | 222    | 2495    | 0.04%   | 0.010%  |
| 119 | 11.795 | 11.776 | 11.820 | VV | 212    | 4122    | 0.07%   | 0.016%  |
| 120 | 11.838 | 11.820 | 11.873 | VV | 207    | 4424    | 0.07%   | 0.017%  |
| 121 | 11.891 | 11.873 | 11.909 | PV | 211    | 2615    | 0.04%   | 0.010%  |
| 122 | 11.937 | 11.909 | 11.968 | VV | 171    | 4651    | 0.07%   | 0.018%  |
| 123 | 12.007 | 11.968 | 12.027 | VV | 194    | 3672    | 0.06%   | 0.014%  |
| 124 | 12.104 | 12.027 | 12.159 | VV | 441    | 19809   | 0.32%   | 0.078%  |
| 125 | 12.177 | 12.159 | 12.305 | VV | 385    | 20246   | 0.32%   | 0.080%  |
| 126 | 12.374 | 12.305 | 12.412 | VV | 473    | 19448   | 0.31%   | 0.076%  |
| 127 | 12.542 | 12.412 | 12.694 | VV | 396607 | 5039698 | 80.23%  | 19.813% |
| 128 | 12.715 | 12.694 | 12.791 | VV | 860    | 35807   | 0.57%   | 0.141%  |
| 129 | 12.824 | 12.791 | 12.905 | VV | 540    | 29639   | 0.47%   | 0.117%  |
| 130 | 12.941 | 12.905 | 12.958 | VV | 524    | 12502   | 0.20%   | 0.049%  |
| 131 | 13.053 | 12.958 | 13.074 | VV | 518    | 28901   | 0.46%   | 0.114%  |
| 132 | 13.109 | 13.074 | 13.188 | VV | 726    | 36694   | 0.58%   | 0.144%  |
| 133 | 13.293 | 13.188 | 13.345 | VV | 517    | 38905   | 0.62%   | 0.153%  |
| 134 | 13.361 | 13.345 | 13.411 | VV | 431    | 14838   | 0.24%   | 0.058%  |
| 135 | 13.421 | 13.411 | 13.494 | VV | 480    | 18784   | 0.30%   | 0.074%  |
| 136 | 13.539 | 13.494 | 13.601 | VV | 441    | 20781   | 0.33%   | 0.082%  |
| 137 | 13.734 | 13.601 | 13.803 | VV | 1128   | 59793   | 0.95%   | 0.235%  |
| 138 | 13.844 | 13.803 | 13.897 | VV | 483    | 21884   | 0.35%   | 0.086%  |
| 139 | 13.954 | 13.897 | 14.055 | VV | 554    | 33736   | 0.54%   | 0.133%  |
| 140 | 14.071 | 14.055 | 14.107 | VV | 340    | 7632    | 0.12%   | 0.030%  |
| 141 | 14.123 | 14.107 | 14.150 | VV | 272    | 5215    | 0.08%   | 0.021%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 142 | 14.171 | 14.150 | 14.195 | VV | 269    | 5639   | 0.09% | 0.022% |
| 143 | 14.209 | 14.195 | 14.242 | VV | 381    | 8636   | 0.14% | 0.034% |
| 144 | 14.259 | 14.242 | 14.281 | VV | 350    | 6976   | 0.11% | 0.027% |
| 145 | 14.296 | 14.281 | 14.328 | VV | 367    | 7525   | 0.12% | 0.030% |
|     |        |        |        |    |        |        |       |        |
| 146 | 14.369 | 14.328 | 14.428 | VV | 444    | 16053  | 0.26% | 0.063% |
| 147 | 14.448 | 14.428 | 14.561 | VV | 731    | 23019  | 0.37% | 0.090% |
| 148 | 14.590 | 14.561 | 14.658 | PV | 340    | 9936   | 0.16% | 0.039% |
| 149 | 14.675 | 14.658 | 14.697 | VV | 249    | 3752   | 0.06% | 0.015% |
| 150 | 14.776 | 14.697 | 14.891 | VV | 5950   | 193189 | 3.08% | 0.759% |
|     |        |        |        |    |        |        |       |        |
| 151 | 14.907 | 14.891 | 14.996 | VV | 648    | 26931  | 0.43% | 0.106% |
| 152 | 15.011 | 14.996 | 15.058 | VV | 303    | 5808   | 0.09% | 0.023% |
| 153 | 15.176 | 15.058 | 15.246 | VV | 310    | 18680  | 0.30% | 0.073% |
| 154 | 15.411 | 15.246 | 15.429 | PV | 473    | 20486  | 0.33% | 0.081% |
| 155 | 15.441 | 15.429 | 15.455 | VV | 233    | 3336   | 0.05% | 0.013% |
|     |        |        |        |    |        |        |       |        |
| 156 | 15.494 | 15.455 | 15.521 | VV | 390    | 10204  | 0.16% | 0.040% |
| 157 | 15.542 | 15.521 | 15.575 | VV | 371    | 8481   | 0.14% | 0.033% |
| 158 | 15.592 | 15.575 | 15.625 | VV | 423    | 7569   | 0.12% | 0.030% |
| 159 | 15.663 | 15.625 | 15.705 | VV | 377    | 14684  | 0.23% | 0.058% |
| 160 | 15.719 | 15.705 | 15.761 | VV | 505    | 9499   | 0.15% | 0.037% |
|     |        |        |        |    |        |        |       |        |
| 161 | 15.806 | 15.761 | 15.858 | VV | 643    | 24467  | 0.39% | 0.096% |
| 162 | 15.886 | 15.858 | 15.942 | VV | 665    | 23076  | 0.37% | 0.091% |
| 163 | 15.973 | 15.942 | 16.011 | VV | 561    | 16081  | 0.26% | 0.063% |
| 164 | 16.023 | 16.011 | 16.051 | VV | 288    | 4699   | 0.07% | 0.018% |
| 165 | 16.068 | 16.051 | 16.125 | VV | 127    | 4247   | 0.07% | 0.017% |
|     |        |        |        |    |        |        |       |        |
| 166 | 16.144 | 16.125 | 16.160 | VV | 218    | 2223   | 0.04% | 0.009% |
| 167 | 16.353 | 16.160 | 16.415 | VV | 1055   | 65992  | 1.05% | 0.259% |
| 168 | 16.433 | 16.415 | 16.458 | VV | 675    | 14751  | 0.23% | 0.058% |
| 169 | 16.475 | 16.458 | 16.515 | VV | 498    | 14687  | 0.23% | 0.058% |
| 170 | 16.530 | 16.515 | 16.571 | VV | 493    | 11705  | 0.19% | 0.046% |
|     |        |        |        |    |        |        |       |        |
| 171 | 16.599 | 16.571 | 16.621 | VV | 331    | 7735   | 0.12% | 0.030% |
| 172 | 16.627 | 16.621 | 16.705 | VV | 394    | 6731   | 0.11% | 0.026% |
| 173 | 16.743 | 16.705 | 16.758 | PV | 406    | 7430   | 0.12% | 0.029% |
| 174 | 16.800 | 16.758 | 16.856 | VV | 1456   | 30736  | 0.49% | 0.121% |
| 175 | 16.889 | 16.856 | 16.935 | VV | 331    | 9040   | 0.14% | 0.036% |
|     |        |        |        |    |        |        |       |        |
| 176 | 16.968 | 16.935 | 16.988 | VV | 294    | 6334   | 0.10% | 0.025% |
| 177 | 17.040 | 16.988 | 17.071 | VV | 285    | 7048   | 0.11% | 0.028% |
| 178 | 17.113 | 17.071 | 17.165 | PV | 146    | 4515   | 0.07% | 0.018% |
| 179 | 17.236 | 17.165 | 17.297 | VV | 1433   | 29777  | 0.47% | 0.117% |
| 180 | 17.328 | 17.297 | 17.371 | PV | 1518   | 25637  | 0.41% | 0.101% |
|     |        |        |        |    |        |        |       |        |
| 181 | 17.392 | 17.371 | 17.411 | VV | 270    | 4109   | 0.07% | 0.016% |
| 182 | 17.452 | 17.411 | 17.485 | VV | 240    | 5351   | 0.09% | 0.021% |
| 183 | 17.510 | 17.485 | 17.535 | VV | 132    | 3617   | 0.06% | 0.014% |
| 184 | 17.605 | 17.535 | 17.628 | VV | 1719   | 44835  | 0.71% | 0.176% |
| 185 | 17.654 | 17.628 | 17.705 | VV | 2454   | 55659  | 0.89% | 0.219% |
|     |        |        |        |    |        |        |       |        |
| 186 | 17.755 | 17.705 | 17.794 | VV | 412    | 12134  | 0.19% | 0.048% |
| 187 | 17.815 | 17.794 | 17.835 | VV | 155    | 2475   | 0.04% | 0.010% |
| 188 | 17.855 | 17.835 | 17.888 | PV | 211    | 4565   | 0.07% | 0.018% |
| 189 | 17.912 | 17.888 | 17.960 | VV | 444    | 8251   | 0.13% | 0.032% |
| 190 | 18.064 | 17.960 | 18.111 | PV | 1905   | 39528  | 0.63% | 0.155% |
|     |        |        |        |    |        |        |       |        |
| 191 | 18.166 | 18.111 | 18.228 | VV | 1275   | 31176  | 0.50% | 0.123% |
| 192 | 18.256 | 18.228 | 18.285 | VV | 269    | 3881   | 0.06% | 0.015% |
| 193 | 18.312 | 18.285 | 18.348 | PV | 223    | 3329   | 0.05% | 0.013% |
| 194 | 18.458 | 18.348 | 18.541 | PV | 2016   | 78719  | 1.25% | 0.309% |

|                         |        |        |        |    | rteres   |        |       |        |
|-------------------------|--------|--------|--------|----|----------|--------|-------|--------|
| 195                     | 18.582 | 18.541 | 18.605 | VV | 456      | 13246  | 0.21% | 0.052% |
| 196                     | 18.641 | 18.605 | 18.681 | VV | 679      | 16909  | 0.27% | 0.066% |
| 197                     | 18.715 | 18.681 | 18.795 | VV | 328      | 10980  | 0.17% | 0.043% |
| 198                     | 18.845 | 18.795 | 18.915 | VV | 1560     | 36570  | 0.58% | 0.144% |
| 199                     | 18.954 | 18.915 | 19.005 | VV | 509      | 13996  | 0.22% | 0.055% |
| 200                     | 19.036 | 19.005 | 19.058 | VV | 218      | 4615   | 0.07% | 0.018% |
| 201                     | 19.149 | 19.058 | 19.172 | PV | 248      | 10676  | 0.17% | 0.042% |
| 202                     | 19.217 | 19.172 | 19.296 | PV | 1464     | 32107  | 0.51% | 0.126% |
| 203                     | 19.430 | 19.296 | 19.465 | VV | 1265     | 54919  | 0.87% | 0.216% |
| 204                     | 19.480 | 19.465 | 19.501 | VV | 540      | 10666  | 0.17% | 0.042% |
| 205                     | 19.581 | 19.501 | 19.611 | VV | 1503     | 42410  | 0.68% | 0.167% |
| 206                     | 19.644 | 19.611 | 19.666 | VV | 593      | 17210  | 0.27% | 0.068% |
| 207                     | 19.713 | 19.666 | 19.757 | VV | 1658     | 44791  | 0.71% | 0.176% |
| 208                     | 19.935 | 19.757 | 19.965 | VV | 1854     | 112186 | 1.79% | 0.441% |
| 209                     | 20.179 | 19.965 | 20.221 | VV | 1262     | 183305 | 2.92% | 0.721% |
| 210                     | 20.278 | 20.221 | 20.305 | VV | 1908     | 59090  | 0.94% | 0.232% |
| 211                     | 20.545 | 20.305 | 20.572 | VV | 2253     | 290261 | 4.62% | 1.141% |
| 212                     | 20.624 | 20.572 | 20.675 | VV | 2752     | 129700 | 2.06% | 0.510% |
| 213                     | 20.697 | 20.675 | 20.725 | VV | 1592     | 41697  | 0.66% | 0.164% |
| 214                     | 20.747 | 20.725 | 20.824 | VV | 1186     | 58635  | 0.93% | 0.231% |
| 215                     | 20.855 | 20.824 | 20.878 | VV | 723      | 23038  | 0.37% | 0.091% |
| 216                     | 20.931 | 20.878 | 20.975 | VV | 529      | 27125  | 0.43% | 0.107% |
| 217                     | 21.016 | 20.975 | 21.061 | VV | 1062     | 28902  | 0.46% | 0.114% |
| Sum of corrected areas: |        |        |        |    | 25436638 |        |       |        |

Aliphatic EPH 042122.M Mon Apr 25 11:32:45 2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059379.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 5:32  
 Operator : UA/NP  
 Sample : N2487-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 UST-1-N

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 23 06:55:29 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 9) S ortho-Terphenyl (SURR)    | 11.098 | 7130787    | 44.376 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 88.75%       |
| 12) S 1-chlorooctadecane (S... | 12.543 | 5705295    | 43.691 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 87.38%       |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

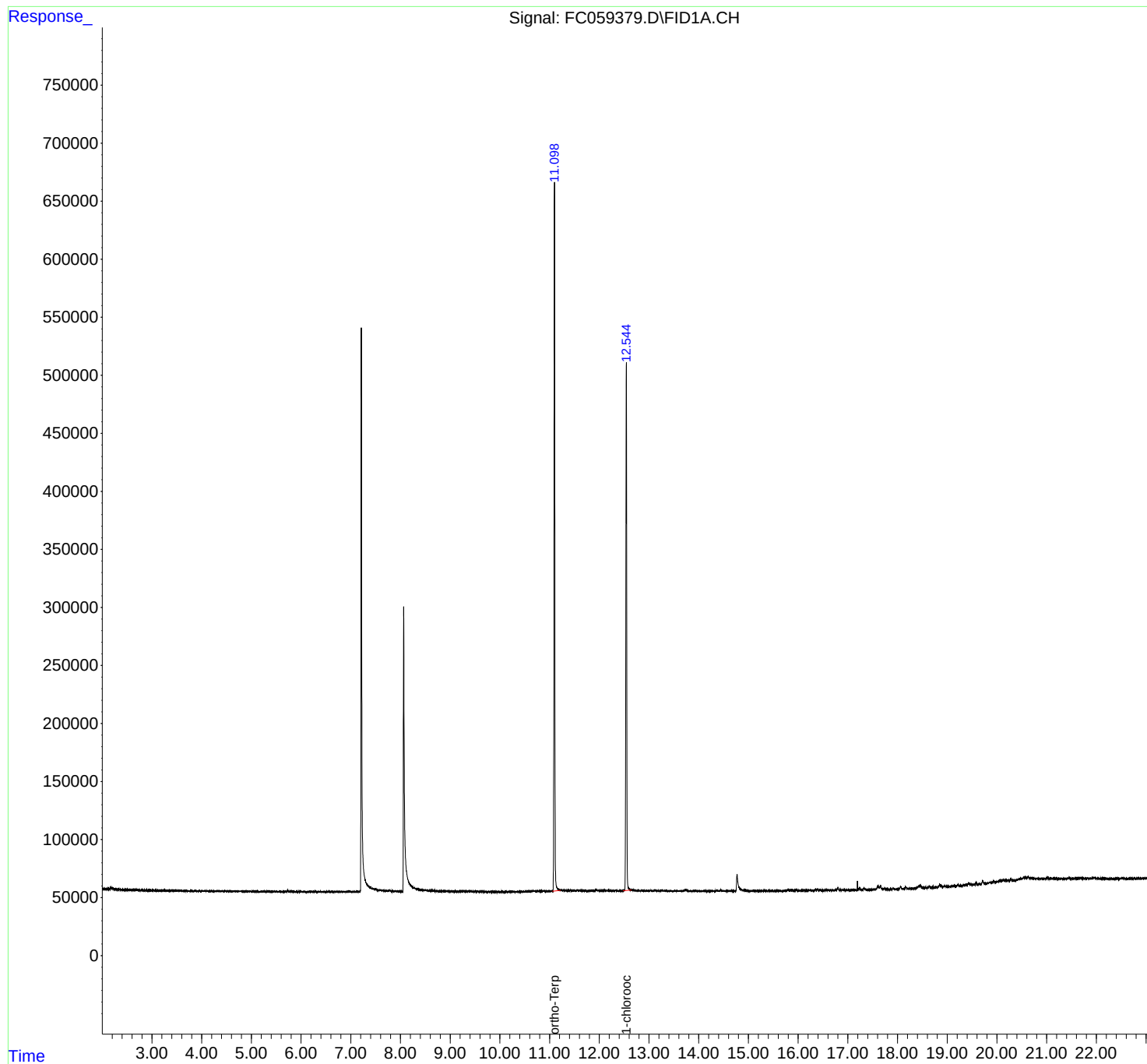


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059379.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 5:32  
Operator : UA/NP  
Sample : N2487-02  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-N

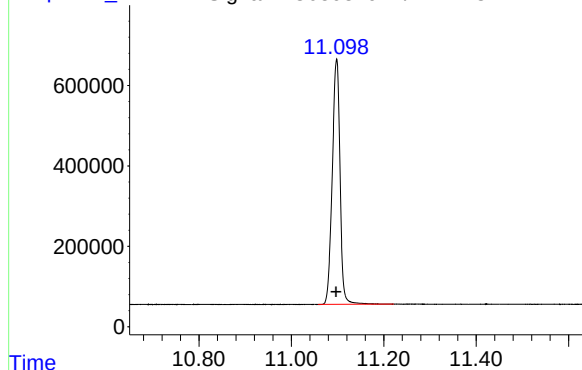
Integration File: sample.E  
Quant Time: Apr 23 06:55:29 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



Signal: FC059379.D\FID1A.CH

#9 ortho-Terphenyl (SURR)

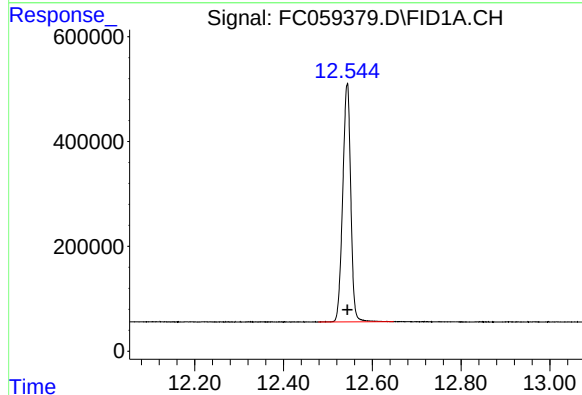


R.T.: 11.098 min  
Delta R.T.: 0.000 min  
Response: 7130787  
Conc: 44.38 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-N

Signal: FC059379.D\FID1A.CH

#12 1-chlorooctadecane (SURR)



R.T.: 12.543 min  
Delta R.T.: -0.001 min  
Response: 5705295  
Conc: 43.69 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059379.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 5:32  
 Sample : N2487-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.996       | 2.976        | 3.016      | PV       | 161            | 2613         | 0.04%          | 0.009%        |
| 2         | 3.023       | 3.016        | 3.057      | VV       | 267            | 3750         | 0.05%          | 0.013%        |
| 3         | 3.065       | 3.057        | 3.096      | VV       | 175            | 2617         | 0.04%          | 0.009%        |
| 4         | 3.131       | 3.096        | 3.191      | PV       | 260            | 9351         | 0.13%          | 0.032%        |
| 5         | 3.197       | 3.191        | 3.243      | VV       | 235            | 5049         | 0.07%          | 0.017%        |
| 6         | 3.258       | 3.243        | 3.282      | VV       | 191            | 3279         | 0.05%          | 0.011%        |
| 7         | 3.306       | 3.282        | 3.365      | VV       | 195            | 5567         | 0.08%          | 0.019%        |
| 8         | 3.388       | 3.365        | 3.464      | VV       | 235            | 11595        | 0.16%          | 0.040%        |
| 9         | 3.473       | 3.464        | 3.495      | VV       | 237            | 4010         | 0.06%          | 0.014%        |
| 10        | 3.532       | 3.495        | 3.592      | VV       | 356            | 12572        | 0.17%          | 0.043%        |
| 11        | 3.607       | 3.592        | 3.648      | VV       | 383            | 6160         | 0.09%          | 0.021%        |
| 12        | 3.678       | 3.648        | 3.687      | VV       | 420            | 4068         | 0.06%          | 0.014%        |
| 13        | 3.703       | 3.687        | 3.762      | VV       | 261            | 7774         | 0.11%          | 0.027%        |
| 14        | 3.784       | 3.762        | 3.813      | VV       | 250            | 5620         | 0.08%          | 0.019%        |
| 15        | 3.825       | 3.813        | 3.842      | VV       | 279            | 3339         | 0.05%          | 0.012%        |
| 16        | 3.875       | 3.842        | 3.893      | PV       | 237            | 4984         | 0.07%          | 0.017%        |
| 17        | 3.905       | 3.893        | 3.931      | VV       | 234            | 3562         | 0.05%          | 0.012%        |
| 18        | 3.950       | 3.931        | 3.986      | VV       | 295            | 5534         | 0.08%          | 0.019%        |
| 19        | 4.030       | 3.986        | 4.084      | VV       | 276            | 8971         | 0.12%          | 0.031%        |
| 20        | 4.096       | 4.084        | 4.138      | VV       | 230            | 5031         | 0.07%          | 0.017%        |
| 21        | 4.155       | 4.138        | 4.165      | VV       | 188            | 2136         | 0.03%          | 0.007%        |
| 22        | 4.198       | 4.165        | 4.243      | VV       | 336            | 8897         | 0.12%          | 0.031%        |
| 23        | 4.281       | 4.243        | 4.298      | VV       | 385            | 8211         | 0.11%          | 0.028%        |
| 24        | 4.310       | 4.298        | 4.332      | VV       | 316            | 5235         | 0.07%          | 0.018%        |
| 25        | 4.367       | 4.332        | 4.435      | VV       | 306            | 11347        | 0.16%          | 0.039%        |
| 26        | 4.468       | 4.435        | 4.494      | VV       | 291            | 6694         | 0.09%          | 0.023%        |
| 27        | 4.509       | 4.494        | 4.517      | VV       | 238            | 2820         | 0.04%          | 0.010%        |
| 28        | 4.528       | 4.517        | 4.561      | VV       | 314            | 4986         | 0.07%          | 0.017%        |
| 29        | 4.577       | 4.561        | 4.593      | VV       | 298            | 3316         | 0.05%          | 0.011%        |
| 30        | 4.613       | 4.593        | 4.627      | VV       | 190            | 3003         | 0.04%          | 0.010%        |
| 31        | 4.648       | 4.627        | 4.657      | VV       | 203            | 2858         | 0.04%          | 0.010%        |
| 32        | 4.668       | 4.657        | 4.703      | VV       | 274            | 5279         | 0.07%          | 0.018%        |
| 33        | 4.715       | 4.703        | 4.750      | VV       | 257            | 6124         | 0.08%          | 0.021%        |
| 34        | 4.794       | 4.750        | 4.825      | VV       | 355            | 10904        | 0.15%          | 0.038%        |
| 35        | 4.845       | 4.825        | 4.892      | VV       | 264            | 6207         | 0.09%          | 0.021%        |
| 36        | 4.923       | 4.892        | 4.959      | VV       | 284            | 8903         | 0.12%          | 0.031%        |

|    |        |        |        |    | rteres |         |        |         |
|----|--------|--------|--------|----|--------|---------|--------|---------|
| 37 | 4.969  | 4.959  | 5.024  | VV | 303    | 8293    | 0.11%  | 0.029%  |
| 38 | 5.035  | 5.024  | 5.054  | VV | 183    | 2376    | 0.03%  | 0.008%  |
| 39 | 5.079  | 5.054  | 5.093  | VV | 199    | 3504    | 0.05%  | 0.012%  |
| 40 | 5.111  | 5.093  | 5.154  | VV | 197    | 4223    | 0.06%  | 0.015%  |
| 41 | 5.231  | 5.154  | 5.295  | PV | 364    | 13653   | 0.19%  | 0.047%  |
| 42 | 5.316  | 5.295  | 5.335  | VV | 275    | 4948    | 0.07%  | 0.017%  |
| 43 | 5.350  | 5.335  | 5.410  | VV | 364    | 10838   | 0.15%  | 0.037%  |
| 44 | 5.430  | 5.410  | 5.451  | VV | 268    | 5921    | 0.08%  | 0.020%  |
| 45 | 5.463  | 5.451  | 5.548  | VV | 384    | 13963   | 0.19%  | 0.048%  |
| 46 | 5.599  | 5.548  | 5.618  | VV | 306    | 8973    | 0.12%  | 0.031%  |
| 47 | 5.647  | 5.618  | 5.705  | VV | 428    | 13278   | 0.18%  | 0.046%  |
| 48 | 5.734  | 5.705  | 5.761  | VV | 1494   | 22123   | 0.31%  | 0.076%  |
| 49 | 5.783  | 5.761  | 5.901  | VV | 340    | 21256   | 0.29%  | 0.073%  |
| 50 | 6.004  | 5.901  | 6.062  | VV | 399    | 25888   | 0.36%  | 0.089%  |
| 51 | 6.077  | 6.062  | 6.115  | VV | 279    | 5777    | 0.08%  | 0.020%  |
| 52 | 6.153  | 6.115  | 6.184  | PV | 327    | 9559    | 0.13%  | 0.033%  |
| 53 | 6.215  | 6.184  | 6.235  | VV | 343    | 8247    | 0.11%  | 0.028%  |
| 54 | 6.293  | 6.235  | 6.342  | VV | 415    | 19253   | 0.27%  | 0.066%  |
| 55 | 6.389  | 6.342  | 6.412  | VV | 400    | 12345   | 0.17%  | 0.043%  |
| 56 | 6.427  | 6.412  | 6.455  | VV | 360    | 5529    | 0.08%  | 0.019%  |
| 57 | 6.471  | 6.455  | 6.488  | VV | 317    | 4092    | 0.06%  | 0.014%  |
| 58 | 6.557  | 6.488  | 6.599  | VV | 304    | 16584   | 0.23%  | 0.057%  |
| 59 | 6.611  | 6.599  | 6.658  | VV | 338    | 7592    | 0.10%  | 0.026%  |
| 60 | 6.688  | 6.658  | 6.709  | VV | 357    | 8433    | 0.12%  | 0.029%  |
| 61 | 6.737  | 6.709  | 6.828  | VV | 350    | 15733   | 0.22%  | 0.054%  |
| 62 | 6.850  | 6.828  | 6.886  | VV | 294    | 6881    | 0.10%  | 0.024%  |
| 63 | 6.940  | 6.886  | 7.003  | VV | 363    | 22424   | 0.31%  | 0.077%  |
| 64 | 7.033  | 7.003  | 7.108  | VV | 317    | 17997   | 0.25%  | 0.062%  |
| 65 | 7.128  | 7.108  | 7.143  | VV | 462    | 7441    | 0.10%  | 0.026%  |
| 66 | 7.213  | 7.143  | 7.666  | VV | 478906 | 6419711 | 88.72% | 22.145% |
| 67 | 7.680  | 7.666  | 7.731  | VV | 1054   | 38531   | 0.53%  | 0.133%  |
| 68 | 7.784  | 7.731  | 7.931  | VV | 1549   | 104208  | 1.44%  | 0.359%  |
| 69 | 7.946  | 7.931  | 7.991  | VV | 680    | 19756   | 0.27%  | 0.068%  |
| 70 | 8.015  | 7.991  | 8.038  | VV | 527    | 12839   | 0.18%  | 0.044%  |
| 71 | 8.065  | 8.038  | 8.464  | VV | 238518 | 4291839 | 59.31% | 14.805% |
| 72 | 8.507  | 8.464  | 8.581  | VV | 1613   | 99413   | 1.37%  | 0.343%  |
| 73 | 8.600  | 8.581  | 8.780  | VV | 1301   | 125826  | 1.74%  | 0.434%  |
| 74 | 8.797  | 8.780  | 8.878  | VV | 812    | 44579   | 0.62%  | 0.154%  |
| 75 | 8.895  | 8.878  | 8.975  | VV | 742    | 37874   | 0.52%  | 0.131%  |
| 76 | 8.977  | 8.975  | 9.026  | VV | 724    | 17133   | 0.24%  | 0.059%  |
| 77 | 9.055  | 9.026  | 9.105  | VV | 720    | 27393   | 0.38%  | 0.094%  |
| 78 | 9.137  | 9.105  | 9.175  | VV | 618    | 22107   | 0.31%  | 0.076%  |
| 79 | 9.193  | 9.175  | 9.261  | VV | 733    | 31477   | 0.44%  | 0.109%  |
| 80 | 9.276  | 9.261  | 9.355  | VV | 705    | 30747   | 0.42%  | 0.106%  |
| 81 | 9.376  | 9.355  | 9.439  | VV | 718    | 29003   | 0.40%  | 0.100%  |
| 82 | 9.457  | 9.439  | 9.601  | VV | 559    | 41685   | 0.58%  | 0.144%  |
| 83 | 9.615  | 9.601  | 9.647  | VV | 415    | 8204    | 0.11%  | 0.028%  |
| 84 | 9.714  | 9.647  | 9.827  | VV | 355    | 19774   | 0.27%  | 0.068%  |
| 85 | 9.863  | 9.827  | 9.925  | PV | 199    | 8452    | 0.12%  | 0.029%  |
| 86 | 9.962  | 9.925  | 9.987  | VV | 242    | 5918    | 0.08%  | 0.020%  |
| 87 | 10.023 | 9.987  | 10.069 | VV | 294    | 10086   | 0.14%  | 0.035%  |
| 88 | 10.111 | 10.069 | 10.135 | VV | 289    | 6405    | 0.09%  | 0.022%  |
| 89 | 10.170 | 10.135 | 10.241 | PV | 261    | 9566    | 0.13%  | 0.033%  |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 90  | 10.248 | 10.241 | 10.294 | VV | 228    | 3135    | 0.04%   | 0.011%  |
| 91  | 10.321 | 10.294 | 10.408 | VV | 318    | 10855   | 0.15%   | 0.037%  |
| 92  | 10.475 | 10.408 | 10.497 | VV | 318    | 13058   | 0.18%   | 0.045%  |
| 93  | 10.528 | 10.497 | 10.563 | VV | 470    | 15683   | 0.22%   | 0.054%  |
| 94  | 10.679 | 10.563 | 10.703 | VV | 782    | 43816   | 0.61%   | 0.151%  |
| 95  | 10.758 | 10.703 | 10.781 | VV | 677    | 25134   | 0.35%   | 0.087%  |
| 96  | 10.813 | 10.781 | 10.861 | VV | 783    | 26841   | 0.37%   | 0.093%  |
| 97  | 10.890 | 10.861 | 10.935 | VV | 758    | 24040   | 0.33%   | 0.083%  |
| 98  | 10.951 | 10.935 | 10.980 | VV | 576    | 13898   | 0.19%   | 0.048%  |
| 99  | 11.000 | 10.980 | 11.053 | VV | 672    | 23848   | 0.33%   | 0.082%  |
| 100 | 11.097 | 11.053 | 11.241 | VV | 614759 | 7235860 | 100.00% | 24.960% |
| 101 | 11.271 | 11.241 | 11.316 | VV | 1338   | 53204   | 0.74%   | 0.184%  |
| 102 | 11.361 | 11.316 | 11.398 | VV | 1145   | 51679   | 0.71%   | 0.178%  |
| 103 | 11.422 | 11.398 | 11.524 | VV | 1272   | 77255   | 1.07%   | 0.266%  |
| 104 | 11.565 | 11.524 | 11.613 | VV | 1078   | 50320   | 0.70%   | 0.174%  |
| 105 | 11.680 | 11.613 | 11.781 | VV | 975    | 84794   | 1.17%   | 0.292%  |
| 106 | 11.798 | 11.781 | 11.812 | VV | 923    | 15358   | 0.21%   | 0.053%  |
| 107 | 11.838 | 11.812 | 11.910 | VV | 943    | 49539   | 0.68%   | 0.171%  |
| 108 | 11.925 | 11.910 | 11.965 | VV | 1123   | 32568   | 0.45%   | 0.112%  |
| 109 | 11.984 | 11.965 | 12.016 | VV | 1046   | 27949   | 0.39%   | 0.096%  |
| 110 | 12.111 | 12.016 | 12.170 | VV | 1083   | 83834   | 1.16%   | 0.289%  |
| 111 | 12.187 | 12.170 | 12.411 | VV | 925    | 112335  | 1.55%   | 0.387%  |
| 112 | 12.429 | 12.411 | 12.473 | VV | 731    | 27417   | 0.38%   | 0.095%  |
| 113 | 12.543 | 12.473 | 12.823 | VV | 456457 | 5911111 | 81.69%  | 20.390% |
| 114 | 12.844 | 12.823 | 12.887 | VV | 759    | 25594   | 0.35%   | 0.088%  |
| 115 | 12.908 | 12.887 | 12.950 | VV | 792    | 24931   | 0.34%   | 0.086%  |
| 116 | 12.964 | 12.950 | 13.002 | VV | 728    | 20264   | 0.28%   | 0.070%  |
| 117 | 13.016 | 13.002 | 13.068 | VV | 728    | 24661   | 0.34%   | 0.085%  |
| 118 | 13.110 | 13.068 | 13.152 | VV | 827    | 35445   | 0.49%   | 0.122%  |
| 119 | 13.169 | 13.152 | 13.198 | VV | 622    | 16260   | 0.22%   | 0.056%  |
| 120 | 13.263 | 13.198 | 13.390 | VV | 694    | 61222   | 0.85%   | 0.211%  |
| 121 | 13.433 | 13.390 | 13.481 | VV | 467    | 20944   | 0.29%   | 0.072%  |
| 122 | 13.516 | 13.481 | 13.538 | VV | 445    | 12911   | 0.18%   | 0.045%  |
| 123 | 13.558 | 13.538 | 13.603 | VV | 449    | 15004   | 0.21%   | 0.052%  |
| 124 | 13.642 | 13.603 | 13.667 | VV | 498    | 15772   | 0.22%   | 0.054%  |
| 125 | 13.730 | 13.667 | 13.845 | VV | 1448   | 70706   | 0.98%   | 0.244%  |
| 126 | 13.862 | 13.845 | 13.882 | VV | 350    | 7323    | 0.10%   | 0.025%  |
| 127 | 13.911 | 13.882 | 14.061 | VV | 411    | 32361   | 0.45%   | 0.112%  |
| 128 | 14.094 | 14.061 | 14.152 | VV | 361    | 13334   | 0.18%   | 0.046%  |
| 129 | 14.168 | 14.152 | 14.230 | VV | 208    | 7511    | 0.10%   | 0.026%  |
| 130 | 14.280 | 14.230 | 14.336 | VV | 318    | 13675   | 0.19%   | 0.047%  |
| 131 | 14.363 | 14.336 | 14.416 | VV | 523    | 15824   | 0.22%   | 0.055%  |
| 132 | 14.445 | 14.416 | 14.496 | VV | 1133   | 24766   | 0.34%   | 0.085%  |
| 133 | 14.518 | 14.496 | 14.554 | VV | 250    | 6095    | 0.08%   | 0.021%  |
| 134 | 14.618 | 14.554 | 14.704 | VV | 374    | 17518   | 0.24%   | 0.060%  |
| 135 | 14.772 | 14.704 | 14.903 | VV | 14362  | 362879  | 5.02%   | 1.252%  |
| 136 | 14.921 | 14.903 | 14.999 | VV | 888    | 31802   | 0.44%   | 0.110%  |
| 137 | 15.024 | 14.999 | 15.065 | VV | 249    | 7486    | 0.10%   | 0.026%  |
| 138 | 15.082 | 15.065 | 15.209 | VV | 307    | 11639   | 0.16%   | 0.040%  |
| 139 | 15.230 | 15.209 | 15.275 | VV | 134    | 3277    | 0.05%   | 0.011%  |
| 140 | 15.309 | 15.275 | 15.368 | VV | 299    | 9751    | 0.13%   | 0.034%  |
| 141 | 15.409 | 15.368 | 15.454 | VV | 422    | 12243   | 0.17%   | 0.042%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 142 | 15.476 | 15.454 | 15.536 | VV | 244    | 8650   | 0.12% | 0.030% |
| 143 | 15.573 | 15.536 | 15.679 | VV | 273    | 11213  | 0.15% | 0.039% |
| 144 | 15.722 | 15.679 | 15.744 | PV | 238    | 5652   | 0.08% | 0.019% |
| 145 | 15.801 | 15.744 | 15.863 | VV | 986    | 37471  | 0.52% | 0.129% |
| 146 | 15.887 | 15.863 | 15.928 | VV | 679    | 17061  | 0.24% | 0.059% |
| 147 | 15.966 | 15.928 | 16.023 | VV | 729    | 19829  | 0.27% | 0.068% |
| 148 | 16.087 | 16.023 | 16.117 | VV | 248    | 9481   | 0.13% | 0.033% |
| 149 | 16.137 | 16.117 | 16.162 | VV | 292    | 4935   | 0.07% | 0.017% |
| 150 | 16.230 | 16.162 | 16.311 | VV | 378    | 21150  | 0.29% | 0.073% |
| 151 | 16.351 | 16.311 | 16.371 | VV | 937    | 17510  | 0.24% | 0.060% |
| 152 | 16.393 | 16.371 | 16.522 | VV | 1085   | 35712  | 0.49% | 0.123% |
| 153 | 16.545 | 16.522 | 16.567 | VV | 240    | 5584   | 0.08% | 0.019% |
| 154 | 16.610 | 16.567 | 16.697 | VV | 303    | 14342  | 0.20% | 0.049% |
| 155 | 16.737 | 16.697 | 16.770 | PV | 359    | 10137  | 0.14% | 0.035% |
| 156 | 16.800 | 16.770 | 16.859 | VV | 2272   | 42311  | 0.58% | 0.146% |
| 157 | 16.893 | 16.859 | 16.947 | VV | 459    | 13583  | 0.19% | 0.047% |
| 158 | 16.978 | 16.947 | 17.001 | VV | 155    | 2359   | 0.03% | 0.008% |
| 159 | 17.059 | 17.001 | 17.096 | VV | 164    | 5417   | 0.07% | 0.019% |
| 160 | 17.192 | 17.096 | 17.207 | VV | 1286   | 14642  | 0.20% | 0.051% |
| 161 | 17.234 | 17.207 | 17.296 | VV | 1868   | 33718  | 0.47% | 0.116% |
| 162 | 17.326 | 17.296 | 17.390 | VV | 1810   | 35849  | 0.50% | 0.124% |
| 163 | 17.421 | 17.390 | 17.476 | VV | 293    | 6079   | 0.08% | 0.021% |
| 164 | 17.517 | 17.476 | 17.534 | PV | 378    | 7481   | 0.10% | 0.026% |
| 165 | 17.601 | 17.534 | 17.632 | VV | 3142   | 87296  | 1.21% | 0.301% |
| 166 | 17.655 | 17.632 | 17.716 | VV | 3171   | 73126  | 1.01% | 0.252% |
| 167 | 17.742 | 17.716 | 17.815 | VV | 693    | 20339  | 0.28% | 0.070% |
| 168 | 17.912 | 17.815 | 17.990 | VV | 851    | 18623  | 0.26% | 0.064% |
| 169 | 18.063 | 17.990 | 18.106 | VV | 2402   | 45797  | 0.63% | 0.158% |
| 170 | 18.164 | 18.106 | 18.241 | VV | 1792   | 45427  | 0.63% | 0.157% |
| 171 | 18.456 | 18.241 | 18.571 | PV | 2739   | 136532 | 1.89% | 0.471% |
| 172 | 18.642 | 18.571 | 18.683 | VV | 1234   | 27405  | 0.38% | 0.095% |
| 173 | 18.847 | 18.683 | 18.910 | VV | 1671   | 61771  | 0.85% | 0.213% |
| 174 | 18.952 | 18.910 | 19.010 | VV | 777    | 24539  | 0.34% | 0.085% |
| 175 | 19.092 | 19.010 | 19.110 | VV | 284    | 6057   | 0.08% | 0.021% |
| 176 | 19.142 | 19.110 | 19.172 | VV | 515    | 8863   | 0.12% | 0.031% |
| 177 | 19.216 | 19.172 | 19.287 | PV | 1356   | 26573  | 0.37% | 0.092% |
| 178 | 19.433 | 19.287 | 19.466 | VV | 1478   | 51852  | 0.72% | 0.179% |
| 179 | 19.501 | 19.466 | 19.531 | VV | 332    | 10755  | 0.15% | 0.037% |
| 180 | 19.581 | 19.531 | 19.617 | VV | 1410   | 25011  | 0.35% | 0.086% |
| 181 | 19.652 | 19.617 | 19.674 | VV | 357    | 7168   | 0.10% | 0.025% |
| 182 | 19.713 | 19.674 | 19.776 | VV | 2881   | 57968  | 0.80% | 0.200% |
| 183 | 19.864 | 19.776 | 19.886 | VV | 779    | 36991  | 0.51% | 0.128% |
| 184 | 19.934 | 19.886 | 19.963 | VV | 1713   | 45762  | 0.63% | 0.158% |
| 185 | 20.115 | 19.963 | 20.143 | VV | 1795   | 147015 | 2.03% | 0.507% |
| 186 | 20.183 | 20.143 | 20.250 | VV | 1654   | 93019  | 1.29% | 0.321% |
| 187 | 20.278 | 20.250 | 20.325 | VV | 2297   | 65795  | 0.91% | 0.227% |
| 188 | 20.473 | 20.325 | 20.488 | VV | 2063   | 133625 | 1.85% | 0.461% |
| 189 | 20.565 | 20.488 | 20.594 | VV | 2556   | 143739 | 1.99% | 0.496% |
| 190 | 20.625 | 20.594 | 20.758 | VV | 3065   | 176130 | 2.43% | 0.608% |
| 191 | 20.786 | 20.758 | 20.803 | VV | 1050   | 25433  | 0.35% | 0.088% |
| 192 | 20.828 | 20.803 | 20.869 | VV | 827    | 27769  | 0.38% | 0.096% |
| 193 | 20.890 | 20.869 | 20.968 | VV | 573    | 21079  | 0.29% | 0.073% |
| 194 | 21.017 | 20.968 | 21.052 | VV | 959    | 21239  | 0.29% | 0.073% |

Sum of corrected areas: 28989611

Aliphatic EPH 042122.M Mon Apr 25 11:33:11 2022

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059383.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 8:01  
 Operator : UA/NP  
 Sample : N2487-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 UST-1-E

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 25 01:31:42 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 9) S ortho-Terphenyl (SURR)    | 11.096 | 5961268    | 37.098 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 74.20%       |
| 12) S 1-chlorooctadecane (S... | 12.541 | 4662981    | 35.709 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 71.42%       |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

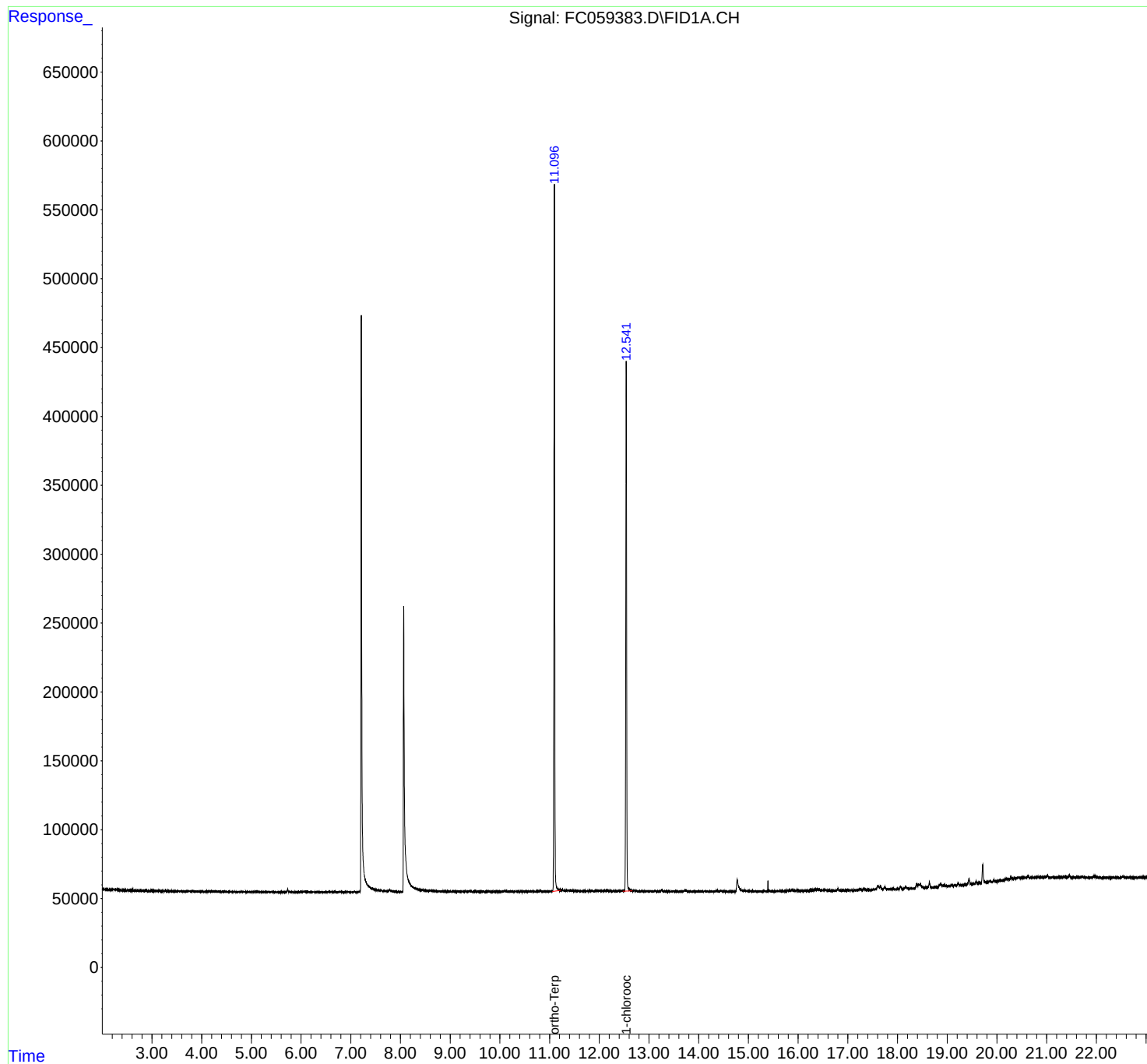


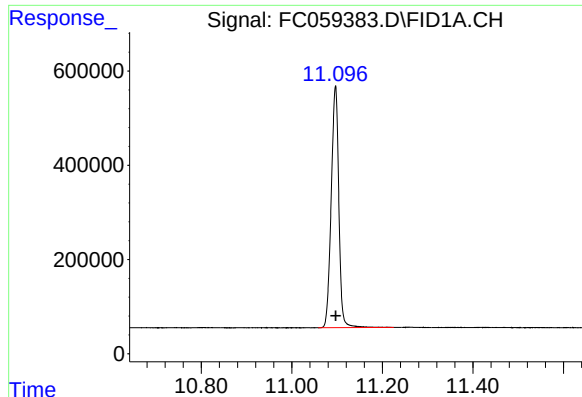
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059383.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 8:01  
Operator : UA/NP  
Sample : N2487-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-E

Integration File: sample.E  
Quant Time: Apr 25 01:31:42 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

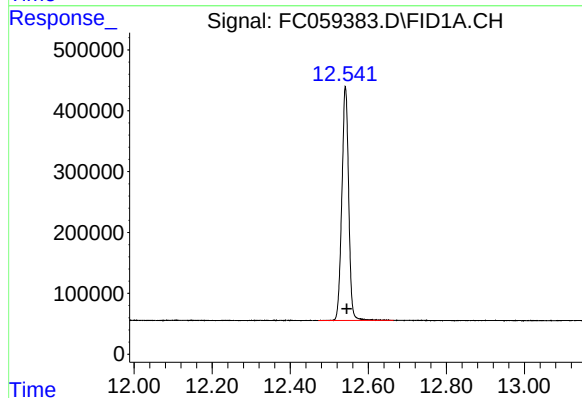




#9 ortho-Terphenyl (SURR)

R.T.: 11.096 min  
Delta R.T.: 0.000 min  
Response: 5961268  
Conc: 37.10 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-E



#12 1-chlorooctadecane (SURR)

R.T.: 12.541 min  
Delta R.T.: -0.003 min  
Response: 4662981  
Conc: 35.71 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059383.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 8:01  
 Sample : N2487-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.949       | 2.905        | 2.976      | BV       | 55             | -1078        | -0.02%         | -0.004%       |
| 2         | 2.988       | 2.976        | 3.061      | PV       | 153            | 2624         | 0.04%          | 0.010%        |
| 3         | 3.086       | 3.061        | 3.122      | PV       | 196            | 4033         | 0.07%          | 0.016%        |
| 4         | 3.134       | 3.122        | 3.151      | PV       | 212            | 1691         | 0.03%          | 0.007%        |
| 5         | 3.175       | 3.151        | 3.193      | VV       | 151            | 2487         | 0.04%          | 0.010%        |
| 6         | 3.207       | 3.193        | 3.230      | VV       | 222            | 2652         | 0.04%          | 0.010%        |
| 7         | 3.238       | 3.230        | 3.270      | VV       | 111            | 2546         | 0.04%          | 0.010%        |
| 8         | 3.285       | 3.270        | 3.312      | VV       | 163            | 1841         | 0.03%          | 0.007%        |
| 9         | 3.327       | 3.312        | 3.345      | VV       | 125            | 1510         | 0.03%          | 0.006%        |
| 10        | 3.357       | 3.345        | 3.386      | VV       | 149            | 1190         | 0.02%          | 0.005%        |
| 11        | 3.412       | 3.386        | 3.425      | VV       | 163            | 2478         | 0.04%          | 0.010%        |
| 12        | 3.437       | 3.425        | 3.480      | PV       | 174            | 2293         | 0.04%          | 0.009%        |
| 13        | 3.534       | 3.480        | 3.546      | VV       | 260            | 5964         | 0.10%          | 0.023%        |
| 14        | 3.579       | 3.546        | 3.594      | VV       | 273            | 5060         | 0.08%          | 0.020%        |
| 15        | 3.608       | 3.594        | 3.632      | VV       | 373            | 5552         | 0.09%          | 0.022%        |
| 16        | 3.637       | 3.632        | 3.654      | VV       | 238            | 1718         | 0.03%          | 0.007%        |
| 17        | 3.683       | 3.654        | 3.698      | VV       | 175            | 2892         | 0.05%          | 0.011%        |
| 18        | 3.735       | 3.698        | 3.800      | VV       | 286            | 9947         | 0.17%          | 0.039%        |
| 19        | 3.822       | 3.800        | 3.840      | VV       | 264            | 4212         | 0.07%          | 0.017%        |
| 20        | 3.850       | 3.840        | 3.858      | VV       | 189            | 1207         | 0.02%          | 0.005%        |
| 21        | 3.867       | 3.858        | 3.928      | VV       | 240            | 6466         | 0.11%          | 0.025%        |
| 22        | 3.936       | 3.928        | 3.986      | VV       | 214            | 4710         | 0.08%          | 0.018%        |
| 23        | 4.026       | 3.986        | 4.048      | PV       | 274            | 5746         | 0.10%          | 0.023%        |
| 24        | 4.062       | 4.048        | 4.085      | VV       | 235            | 3113         | 0.05%          | 0.012%        |
| 25        | 4.131       | 4.085        | 4.158      | VV       | 358            | 10035        | 0.17%          | 0.039%        |
| 26        | 4.180       | 4.158        | 4.223      | VV       | 396            | 12139        | 0.20%          | 0.048%        |
| 27        | 4.277       | 4.223        | 4.318      | VV       | 503            | 16169        | 0.27%          | 0.063%        |
| 28        | 4.326       | 4.318        | 4.333      | VV       | 261            | 1866         | 0.03%          | 0.007%        |
| 29        | 4.338       | 4.333        | 4.345      | VV       | 209            | 1466         | 0.02%          | 0.006%        |
| 30        | 4.362       | 4.345        | 4.381      | VV       | 424            | 5536         | 0.09%          | 0.022%        |
| 31        | 4.406       | 4.381        | 4.411      | VV       | 185            | 2158         | 0.04%          | 0.008%        |
| 32        | 4.425       | 4.411        | 4.431      | VV       | 197            | 2266         | 0.04%          | 0.009%        |
| 33        | 4.461       | 4.431        | 4.492      | VV       | 272            | 7066         | 0.12%          | 0.028%        |
| 34        | 4.498       | 4.492        | 4.506      | VV       | 193            | 1394         | 0.02%          | 0.005%        |
| 35        | 4.511       | 4.506        | 4.539      | VV       | 185            | 3184         | 0.05%          | 0.012%        |
| 36        | 4.571       | 4.539        | 4.638      | VV       | 404            | 12207        | 0.20%          | 0.048%        |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 4.672 | 4.638 | 4.695 | VV | 307    | 5747    | 0.10%  | 0.023%  |
| 38 | 4.717 | 4.695 | 4.732 | VV | 194    | 2734    | 0.05%  | 0.011%  |
| 39 | 4.752 | 4.732 | 4.763 | VV | 225    | 3047    | 0.05%  | 0.012%  |
| 40 | 4.785 | 4.763 | 4.810 | VV | 254    | 5516    | 0.09%  | 0.022%  |
| 41 | 4.825 | 4.810 | 4.855 | VV | 151    | 2658    | 0.04%  | 0.010%  |
| 42 | 4.881 | 4.855 | 4.913 | PV | 254    | 5324    | 0.09%  | 0.021%  |
| 43 | 4.926 | 4.913 | 4.955 | VV | 223    | 4264    | 0.07%  | 0.017%  |
| 44 | 4.964 | 4.955 | 5.021 | VV | 240    | 7233    | 0.12%  | 0.028%  |
| 45 | 5.047 | 5.021 | 5.067 | VV | 323    | 5531    | 0.09%  | 0.022%  |
| 46 | 5.102 | 5.067 | 5.125 | VV | 284    | 7715    | 0.13%  | 0.030%  |
| 47 | 5.147 | 5.125 | 5.173 | VV | 256    | 5840    | 0.10%  | 0.023%  |
| 48 | 5.200 | 5.173 | 5.224 | VV | 333    | 6382    | 0.11%  | 0.025%  |
| 49 | 5.238 | 5.224 | 5.278 | VV | 350    | 6832    | 0.11%  | 0.027%  |
| 50 | 5.307 | 5.278 | 5.342 | VV | 290    | 6761    | 0.11%  | 0.026%  |
| 51 | 5.347 | 5.342 | 5.398 | VV | 215    | 5740    | 0.10%  | 0.022%  |
| 52 | 5.410 | 5.398 | 5.439 | VV | 246    | 3600    | 0.06%  | 0.014%  |
| 53 | 5.455 | 5.439 | 5.468 | PV | 184    | 2257    | 0.04%  | 0.009%  |
| 54 | 5.479 | 5.468 | 5.510 | VV | 179    | 3103    | 0.05%  | 0.012%  |
| 55 | 5.523 | 5.510 | 5.549 | VV | 203    | 2772    | 0.05%  | 0.011%  |
| 56 | 5.589 | 5.549 | 5.606 | VV | 207    | 4175    | 0.07%  | 0.016%  |
| 57 | 5.614 | 5.606 | 5.638 | VV | 121    | 1034    | 0.02%  | 0.004%  |
| 58 | 5.672 | 5.638 | 5.692 | VV | 164    | 3134    | 0.05%  | 0.012%  |
| 59 | 5.732 | 5.692 | 5.779 | VV | 2267   | 29439   | 0.49%  | 0.115%  |
| 60 | 5.803 | 5.779 | 5.814 | VV | 296    | 3539    | 0.06%  | 0.014%  |
| 61 | 5.828 | 5.814 | 5.872 | VV | 258    | 5236    | 0.09%  | 0.021%  |
| 62 | 5.888 | 5.872 | 5.928 | VV | 199    | 4587    | 0.08%  | 0.018%  |
| 63 | 5.934 | 5.928 | 5.964 | VV | 193    | 3067    | 0.05%  | 0.012%  |
| 64 | 6.057 | 5.964 | 6.100 | VV | 412    | 20617   | 0.34%  | 0.081%  |
| 65 | 6.133 | 6.100 | 6.162 | VV | 381    | 8884    | 0.15%  | 0.035%  |
| 66 | 6.170 | 6.162 | 6.197 | VV | 278    | 3157    | 0.05%  | 0.012%  |
| 67 | 6.212 | 6.197 | 6.256 | VV | 242    | 5550    | 0.09%  | 0.022%  |
| 68 | 6.273 | 6.256 | 6.288 | VV | 234    | 2738    | 0.05%  | 0.011%  |
| 69 | 6.296 | 6.288 | 6.308 | VV | 125    | 1128    | 0.02%  | 0.004%  |
| 70 | 6.332 | 6.308 | 6.365 | VV | 175    | 3884    | 0.06%  | 0.015%  |
| 71 | 6.414 | 6.365 | 6.455 | VV | 244    | 6712    | 0.11%  | 0.026%  |
| 72 | 6.481 | 6.455 | 6.491 | VV | 193    | 3434    | 0.06%  | 0.013%  |
| 73 | 6.529 | 6.491 | 6.542 | VV | 304    | 6922    | 0.11%  | 0.027%  |
| 74 | 6.550 | 6.542 | 6.588 | VV | 257    | 6013    | 0.10%  | 0.024%  |
| 75 | 6.595 | 6.588 | 6.628 | VV | 296    | 4790    | 0.08%  | 0.019%  |
| 76 | 6.639 | 6.628 | 6.675 | VV | 156    | 3058    | 0.05%  | 0.012%  |
| 77 | 6.689 | 6.675 | 6.722 | VV | 294    | 4757    | 0.08%  | 0.019%  |
| 78 | 6.743 | 6.722 | 6.772 | VV | 231    | 4949    | 0.08%  | 0.019%  |
| 79 | 6.773 | 6.772 | 6.848 | VV | 230    | 4734    | 0.08%  | 0.019%  |
| 80 | 6.873 | 6.848 | 6.897 | VV | 165    | 2297    | 0.04%  | 0.009%  |
| 81 | 6.924 | 6.897 | 6.997 | VV | 593    | 15217   | 0.25%  | 0.060%  |
| 82 | 7.010 | 6.997 | 7.022 | VV | 162    | 1269    | 0.02%  | 0.005%  |
| 83 | 7.029 | 7.022 | 7.036 | PV | 132    | 479     | 0.01%  | 0.002%  |
| 84 | 7.075 | 7.036 | 7.105 | PV | 302    | 5324    | 0.09%  | 0.021%  |
| 85 | 7.119 | 7.105 | 7.131 | VV | 113    | 1409    | 0.02%  | 0.006%  |
| 86 | 7.212 | 7.131 | 7.583 | VV | 418698 | 5668693 | 94.14% | 22.209% |
| 87 | 7.597 | 7.583 | 7.651 | VV | 1382   | 46474   | 0.77%  | 0.182%  |
| 88 | 7.663 | 7.651 | 7.728 | VV | 1002   | 42035   | 0.70%  | 0.165%  |
| 89 | 7.783 | 7.728 | 7.901 | VV | 1946   | 93693   | 1.56%  | 0.367%  |

|     |        |        |        |    | rt     | Area    | Height | %Area   | %Height |
|-----|--------|--------|--------|----|--------|---------|--------|---------|---------|
| 90  | 7.919  | 7.901  | 7.957  | VV | 421    | 13159   | 0.22%  | 0.052%  |         |
| 91  | 7.969  | 7.957  | 8.004  | VV | 391    | 8688    | 0.14%  | 0.034%  |         |
| 92  | 8.014  | 8.004  | 8.034  | VV | 352    | 4687    | 0.08%  | 0.018%  |         |
| 93  | 8.065  | 8.034  | 8.408  | VV | 206688 | 3779467 | 62.77% | 14.807% |         |
| 94  | 8.418  | 8.408  | 8.535  | VV | 1658   | 103461  | 1.72%  | 0.405%  |         |
| 95  | 8.548  | 8.535  | 8.576  | VV | 1261   | 25428   | 0.42%  | 0.100%  |         |
| 96  | 8.610  | 8.576  | 8.704  | VV | 1173   | 71034   | 1.18%  | 0.278%  |         |
| 97  | 8.730  | 8.704  | 8.754  | VV | 854    | 21383   | 0.36%  | 0.084%  |         |
| 98  | 8.770  | 8.754  | 8.795  | VV | 709    | 15541   | 0.26%  | 0.061%  |         |
| 99  | 8.801  | 8.795  | 8.811  | VV | 594    | 5239    | 0.09%  | 0.021%  |         |
| 100 | 8.822  | 8.811  | 8.845  | VV | 708    | 11750   | 0.20%  | 0.046%  |         |
| 101 | 8.852  | 8.845  | 8.879  | VV | 538    | 9852    | 0.16%  | 0.039%  |         |
| 102 | 8.914  | 8.879  | 8.949  | VV | 554    | 19649   | 0.33%  | 0.077%  |         |
| 103 | 8.960  | 8.949  | 8.978  | VV | 492    | 7426    | 0.12%  | 0.029%  |         |
| 104 | 9.057  | 8.978  | 9.095  | VV | 699    | 36930   | 0.61%  | 0.145%  |         |
| 105 | 9.103  | 9.095  | 9.139  | VV | 554    | 10256   | 0.17%  | 0.040%  |         |
| 106 | 9.188  | 9.139  | 9.232  | VV | 612    | 24155   | 0.40%  | 0.095%  |         |
| 107 | 9.248  | 9.232  | 9.265  | VV | 558    | 9553    | 0.16%  | 0.037%  |         |
| 108 | 9.305  | 9.265  | 9.321  | VV | 560    | 16000   | 0.27%  | 0.063%  |         |
| 109 | 9.381  | 9.321  | 9.405  | VV | 628    | 25011   | 0.42%  | 0.098%  |         |
| 110 | 9.416  | 9.405  | 9.439  | VV | 632    | 10918   | 0.18%  | 0.043%  |         |
| 111 | 9.449  | 9.439  | 9.468  | VV | 434    | 7031    | 0.12%  | 0.028%  |         |
| 112 | 9.481  | 9.468  | 9.492  | VV | 541    | 6434    | 0.11%  | 0.025%  |         |
| 113 | 9.501  | 9.492  | 9.518  | VV | 510    | 6328    | 0.11%  | 0.025%  |         |
| 114 | 9.526  | 9.518  | 9.533  | VV | 425    | 3440    | 0.06%  | 0.013%  |         |
| 115 | 9.538  | 9.533  | 9.557  | VV | 405    | 4397    | 0.07%  | 0.017%  |         |
| 116 | 9.568  | 9.557  | 9.598  | VV | 389    | 7116    | 0.12%  | 0.028%  |         |
| 117 | 9.606  | 9.598  | 9.622  | VV | 323    | 3975    | 0.07%  | 0.016%  |         |
| 118 | 9.631  | 9.622  | 9.643  | VV | 270    | 3214    | 0.05%  | 0.013%  |         |
| 119 | 9.671  | 9.643  | 9.687  | VV | 507    | 9039    | 0.15%  | 0.035%  |         |
| 120 | 9.698  | 9.687  | 9.733  | VV | 411    | 9018    | 0.15%  | 0.035%  |         |
| 121 | 9.762  | 9.733  | 9.800  | VV | 468    | 13991   | 0.23%  | 0.055%  |         |
| 122 | 9.819  | 9.800  | 9.828  | VV | 371    | 5090    | 0.08%  | 0.020%  |         |
| 123 | 9.847  | 9.828  | 9.865  | VV | 375    | 7100    | 0.12%  | 0.028%  |         |
| 124 | 9.894  | 9.865  | 9.917  | VV | 483    | 11202   | 0.19%  | 0.044%  |         |
| 125 | 9.944  | 9.917  | 9.987  | VV | 457    | 16786   | 0.28%  | 0.066%  |         |
| 126 | 9.997  | 9.987  | 10.015 | VV | 477    | 6703    | 0.11%  | 0.026%  |         |
| 127 | 10.026 | 10.015 | 10.068 | VV | 421    | 12154   | 0.20%  | 0.048%  |         |
| 128 | 10.105 | 10.068 | 10.162 | VV | 715    | 25867   | 0.43%  | 0.101%  |         |
| 129 | 10.176 | 10.162 | 10.186 | VV | 520    | 6670    | 0.11%  | 0.026%  |         |
| 130 | 10.196 | 10.186 | 10.218 | VV | 570    | 9169    | 0.15%  | 0.036%  |         |
| 131 | 10.228 | 10.218 | 10.255 | VV | 511    | 8699    | 0.14%  | 0.034%  |         |
| 132 | 10.261 | 10.255 | 10.270 | VV | 355    | 2844    | 0.05%  | 0.011%  |         |
| 133 | 10.282 | 10.270 | 10.298 | VV | 350    | 5393    | 0.09%  | 0.021%  |         |
| 134 | 10.319 | 10.298 | 10.352 | VV | 482    | 11785   | 0.20%  | 0.046%  |         |
| 135 | 10.361 | 10.352 | 10.400 | VV | 392    | 8461    | 0.14%  | 0.033%  |         |
| 136 | 10.431 | 10.400 | 10.452 | VV | 385    | 9022    | 0.15%  | 0.035%  |         |
| 137 | 10.518 | 10.452 | 10.540 | VV | 454    | 18230   | 0.30%  | 0.071%  |         |
| 138 | 10.551 | 10.540 | 10.568 | VV | 368    | 5154    | 0.09%  | 0.020%  |         |
| 139 | 10.633 | 10.568 | 10.716 | VV | 641    | 40265   | 0.67%  | 0.158%  |         |
| 140 | 10.742 | 10.716 | 10.774 | VV | 606    | 16231   | 0.27%  | 0.064%  |         |
| 141 | 10.804 | 10.774 | 10.868 | VV | 736    | 28331   | 0.47%  | 0.111%  |         |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.886 | 10.868 | 10.903 | VV | 544    | 9008    | 0.15%   | 0.035%  |
| 143 | 10.912 | 10.903 | 10.970 | VV | 461    | 16635   | 0.28%   | 0.065%  |
| 144 | 10.982 | 10.970 | 11.020 | VV | 412    | 10880   | 0.18%   | 0.043%  |
| 145 | 11.035 | 11.020 | 11.057 | VV | 549    | 9026    | 0.15%   | 0.035%  |
| 146 | 11.096 | 11.057 | 11.202 | VV | 509185 | 6021373 | 100.00% | 23.591% |
| 147 | 11.212 | 11.202 | 11.237 | VV | 1350   | 25813   | 0.43%   | 0.101%  |
| 148 | 11.260 | 11.237 | 11.311 | VV | 1528   | 50923   | 0.85%   | 0.200%  |
| 149 | 11.354 | 11.311 | 11.398 | VV | 1026   | 47476   | 0.79%   | 0.186%  |
| 150 | 11.417 | 11.398 | 11.455 | VV | 1082   | 32394   | 0.54%   | 0.127%  |
| 151 | 11.469 | 11.455 | 11.507 | VV | 971    | 23829   | 0.40%   | 0.093%  |
| 152 | 11.536 | 11.507 | 11.544 | VV | 677    | 14543   | 0.24%   | 0.057%  |
| 153 | 11.554 | 11.544 | 11.568 | VV | 666    | 9148    | 0.15%   | 0.036%  |
| 154 | 11.573 | 11.568 | 11.619 | VV | 657    | 17933   | 0.30%   | 0.070%  |
| 155 | 11.624 | 11.619 | 11.655 | VV | 593    | 10856   | 0.18%   | 0.043%  |
| 156 | 11.682 | 11.655 | 11.693 | VV | 699    | 14008   | 0.23%   | 0.055%  |
| 157 | 11.700 | 11.693 | 11.712 | VV | 638    | 6735    | 0.11%   | 0.026%  |
| 158 | 11.718 | 11.712 | 11.774 | VV | 693    | 21284   | 0.35%   | 0.083%  |
| 159 | 11.795 | 11.774 | 11.818 | VV | 692    | 16646   | 0.28%   | 0.065%  |
| 160 | 11.840 | 11.818 | 11.872 | VV | 748    | 19048   | 0.32%   | 0.075%  |
| 161 | 11.881 | 11.872 | 11.891 | VV | 531    | 5688    | 0.09%   | 0.022%  |
| 162 | 11.914 | 11.891 | 11.932 | VV | 777    | 16786   | 0.28%   | 0.066%  |
| 163 | 11.941 | 11.932 | 11.986 | VV | 949    | 26424   | 0.44%   | 0.104%  |
| 164 | 11.999 | 11.986 | 12.038 | VV | 919    | 24691   | 0.41%   | 0.097%  |
| 165 | 12.044 | 12.038 | 12.060 | VV | 701    | 8893    | 0.15%   | 0.035%  |
| 166 | 12.109 | 12.060 | 12.122 | VV | 974    | 29546   | 0.49%   | 0.116%  |
| 167 | 12.132 | 12.122 | 12.209 | VV | 837    | 36278   | 0.60%   | 0.142%  |
| 168 | 12.240 | 12.209 | 12.270 | VV | 716    | 22200   | 0.37%   | 0.087%  |
| 169 | 12.322 | 12.270 | 12.347 | VV | 771    | 28628   | 0.48%   | 0.112%  |
| 170 | 12.376 | 12.347 | 12.428 | VV | 793    | 29804   | 0.49%   | 0.117%  |
| 171 | 12.465 | 12.428 | 12.472 | VV | 636    | 14317   | 0.24%   | 0.056%  |
| 172 | 12.541 | 12.472 | 12.665 | VV | 384014 | 4734527 | 78.63%  | 18.549% |
| 173 | 12.675 | 12.665 | 12.695 | VV | 852    | 14761   | 0.25%   | 0.058%  |
| 174 | 12.707 | 12.695 | 12.732 | VV | 823    | 16009   | 0.27%   | 0.063%  |
| 175 | 12.743 | 12.732 | 12.769 | VV | 752    | 13106   | 0.22%   | 0.051%  |
| 176 | 12.783 | 12.769 | 12.823 | VV | 523    | 14886   | 0.25%   | 0.058%  |
| 177 | 12.867 | 12.823 | 12.975 | VV | 591    | 42144   | 0.70%   | 0.165%  |
| 178 | 12.987 | 12.975 | 13.075 | VV | 417    | 19348   | 0.32%   | 0.076%  |
| 179 | 13.106 | 13.075 | 13.128 | VV | 534    | 12494   | 0.21%   | 0.049%  |
| 180 | 13.136 | 13.128 | 13.198 | VV | 442    | 16155   | 0.27%   | 0.063%  |
| 181 | 13.215 | 13.198 | 13.235 | VV | 408    | 8257    | 0.14%   | 0.032%  |
| 182 | 13.260 | 13.235 | 13.318 | VV | 1431   | 33895   | 0.56%   | 0.133%  |
| 183 | 13.330 | 13.318 | 13.382 | VV | 420    | 10158   | 0.17%   | 0.040%  |
| 184 | 13.400 | 13.382 | 13.427 | VV | 305    | 6394    | 0.11%   | 0.025%  |
| 185 | 13.502 | 13.427 | 13.548 | VV | 328    | 18676   | 0.31%   | 0.073%  |
| 186 | 13.560 | 13.548 | 13.625 | VV | 298    | 7507    | 0.12%   | 0.029%  |
| 187 | 13.731 | 13.625 | 13.811 | VV | 1124   | 44313   | 0.74%   | 0.174%  |
| 188 | 13.827 | 13.811 | 13.843 | VV | 335    | 3992    | 0.07%   | 0.016%  |
| 189 | 13.858 | 13.843 | 13.925 | VV | 285    | 8267    | 0.14%   | 0.032%  |
| 190 | 13.991 | 13.925 | 14.025 | VV | 289    | 12491   | 0.21%   | 0.049%  |
| 191 | 14.069 | 14.025 | 14.122 | VV | 211    | 9706    | 0.16%   | 0.038%  |
| 192 | 14.133 | 14.122 | 14.207 | VV | 261    | 10406   | 0.17%   | 0.041%  |
| 193 | 14.241 | 14.207 | 14.286 | VV | 271    | 8590    | 0.14%   | 0.034%  |
| 194 | 14.363 | 14.286 | 14.418 | VV | 868    | 26081   | 0.43%   | 0.102%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 195 | 14.445 | 14.418 | 14.568 | VV | 845    | 20890  | 0.35% | 0.082% |
| 196 | 14.585 | 14.568 | 14.607 | VV | 277    | 3146   | 0.05% | 0.012% |
| 197 | 14.623 | 14.607 | 14.671 | VV | 193    | 4176   | 0.07% | 0.016% |
| 198 | 14.690 | 14.671 | 14.717 | PV | 198    | 2777   | 0.05% | 0.011% |
| 199 | 14.775 | 14.717 | 14.892 | VV | 8808   | 262781 | 4.36% | 1.030% |
| 200 | 14.919 | 14.892 | 15.028 | VV | 987    | 34692  | 0.58% | 0.136% |
| 201 | 15.045 | 15.028 | 15.065 | VV | 287    | 5065   | 0.08% | 0.020% |
| 202 | 15.081 | 15.065 | 15.158 | VV | 338    | 9329   | 0.15% | 0.037% |
| 203 | 15.184 | 15.158 | 15.257 | VV | 238    | 7949   | 0.13% | 0.031% |
| 204 | 15.327 | 15.257 | 15.378 | PV | 334    | 14289  | 0.24% | 0.056% |
| 205 | 15.393 | 15.378 | 15.542 | VV | 1984   | 25147  | 0.42% | 0.099% |
| 206 | 15.588 | 15.542 | 15.615 | VV | 220    | 7512   | 0.12% | 0.029% |
| 207 | 15.628 | 15.615 | 15.648 | VV | 214    | 3857   | 0.06% | 0.015% |
| 208 | 15.668 | 15.648 | 15.684 | VV | 310    | 5999   | 0.10% | 0.024% |
| 209 | 15.825 | 15.684 | 15.858 | VV | 722    | 46977  | 0.78% | 0.184% |
| 210 | 15.882 | 15.858 | 15.945 | VV | 781    | 27703  | 0.46% | 0.109% |
| 211 | 15.967 | 15.945 | 16.052 | VV | 599    | 20976  | 0.35% | 0.082% |
| 212 | 16.083 | 16.052 | 16.135 | VV | 316    | 8744   | 0.15% | 0.034% |
| 213 | 16.169 | 16.135 | 16.192 | VV | 262    | 6210   | 0.10% | 0.024% |
| 214 | 16.285 | 16.192 | 16.308 | VV | 704    | 36681  | 0.61% | 0.144% |
| 215 | 16.350 | 16.308 | 16.369 | VV | 1301   | 33545  | 0.56% | 0.131% |
| 216 | 16.391 | 16.369 | 16.468 | VV | 1444   | 52479  | 0.87% | 0.206% |
| 217 | 16.483 | 16.468 | 16.512 | VV | 643    | 14876  | 0.25% | 0.058% |
| 218 | 16.529 | 16.512 | 16.655 | VV | 699    | 36946  | 0.61% | 0.145% |
| 219 | 16.666 | 16.655 | 16.699 | VV | 342    | 5821   | 0.10% | 0.023% |
| 220 | 16.742 | 16.699 | 16.768 | PV | 328    | 9559   | 0.16% | 0.037% |
| 221 | 16.799 | 16.768 | 16.871 | VV | 1763   | 37835  | 0.63% | 0.148% |
| 222 | 16.895 | 16.871 | 16.952 | VV | 388    | 9635   | 0.16% | 0.038% |
| 223 | 16.970 | 16.952 | 16.995 | VV | 210    | 3530   | 0.06% | 0.014% |
| 224 | 17.027 | 16.995 | 17.052 | VV | 183    | 3577   | 0.06% | 0.014% |
| 225 | 17.080 | 17.052 | 17.098 | PV | 154    | 2537   | 0.04% | 0.010% |
| 226 | 17.134 | 17.098 | 17.170 | VV | 178    | 4176   | 0.07% | 0.016% |
| 227 | 17.235 | 17.170 | 17.293 | PV | 1295   | 29258  | 0.49% | 0.115% |
| 228 | 17.326 | 17.293 | 17.398 | VV | 1358   | 28679  | 0.48% | 0.112% |
| 229 | 17.421 | 17.398 | 17.452 | VV | 238    | 5451   | 0.09% | 0.021% |
| 230 | 17.604 | 17.452 | 17.635 | PV | 2687   | 91998  | 1.53% | 0.360% |
| 231 | 17.654 | 17.635 | 17.708 | VV | 2524   | 57146  | 0.95% | 0.224% |
| 232 | 17.738 | 17.708 | 17.808 | VV | 1830   | 49798  | 0.83% | 0.195% |
| 233 | 17.836 | 17.808 | 17.862 | VV | 257    | 7422   | 0.12% | 0.029% |
| 234 | 17.913 | 17.862 | 17.955 | VV | 597    | 15733  | 0.26% | 0.062% |
| 235 | 18.063 | 17.955 | 18.111 | PV | 1784   | 41710  | 0.69% | 0.163% |
| 236 | 18.165 | 18.111 | 18.280 | VV | 1588   | 43259  | 0.72% | 0.169% |
| 237 | 18.388 | 18.280 | 18.407 | PV | 2793   | 60326  | 1.00% | 0.236% |
| 238 | 18.456 | 18.407 | 18.578 | VV | 2847   | 135484 | 2.25% | 0.531% |
| 239 | 18.640 | 18.578 | 18.685 | VV | 3891   | 61935  | 1.03% | 0.243% |
| 240 | 18.719 | 18.685 | 18.732 | VV | 206    | 4458   | 0.07% | 0.017% |
| 241 | 18.868 | 18.732 | 18.900 | PV | 2646   | 71529  | 1.19% | 0.280% |
| 242 | 18.945 | 18.900 | 19.050 | VV | 1004   | 47726  | 0.79% | 0.187% |
| 243 | 19.092 | 19.050 | 19.122 | VV | 643    | 13997  | 0.23% | 0.055% |
| 244 | 19.144 | 19.122 | 19.173 | VV | 512    | 9329   | 0.15% | 0.037% |
| 245 | 19.218 | 19.173 | 19.318 | VV | 1594   | 40840  | 0.68% | 0.160% |
| 246 | 19.437 | 19.318 | 19.542 | PV | 4707   | 131934 | 2.19% | 0.517% |

|                         |        |        |        |    | rteres   |        |       |        |
|-------------------------|--------|--------|--------|----|----------|--------|-------|--------|
| 247                     | 19.581 | 19.542 | 19.622 | VV | 1781     | 41364  | 0.69% | 0.162% |
| 248                     | 19.649 | 19.622 | 19.674 | VV | 798      | 18062  | 0.30% | 0.071% |
| 249                     | 19.714 | 19.674 | 19.782 | VV | 14038    | 233299 | 3.87% | 0.914% |
| 250                     | 19.861 | 19.782 | 19.900 | VV | 1413     | 57736  | 0.96% | 0.226% |
| 251                     | 19.936 | 19.900 | 19.978 | VV | 1858     | 46007  | 0.76% | 0.180% |
| 252                     | 20.190 | 19.978 | 20.242 | VV | 1944     | 186270 | 3.09% | 0.730% |
| 253                     | 20.279 | 20.242 | 20.307 | VV | 2862     | 78759  | 1.31% | 0.309% |
| 254                     | 20.413 | 20.307 | 20.495 | VV | 2075     | 202316 | 3.36% | 0.793% |
| 255                     | 20.556 | 20.495 | 20.571 | VV | 1784     | 75398  | 1.25% | 0.295% |
| 256                     | 20.624 | 20.571 | 20.677 | VV | 2545     | 109089 | 1.81% | 0.427% |
| 257                     | 20.818 | 20.677 | 20.851 | VV | 1154     | 114303 | 1.90% | 0.448% |
| 258                     | 20.868 | 20.851 | 20.895 | VV | 948      | 22312  | 0.37% | 0.087% |
| 259                     | 21.017 | 20.895 | 21.090 | VV | 1552     | 78301  | 1.30% | 0.307% |
| Sum of corrected areas: |        |        |        |    | 25524168 |        |       |        |

Aliphatic EPH 042122.M Mon Apr 25 11:34:48 2022



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059384.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 8:38  
 Operator : UA/NP  
 Sample : N2487-04  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 UST-1-S

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 25 01:31:51 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.096 | 5147483  | 32.033 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 64.07%     |
| 12) S 1-chlorooctadecane (S... | 12.541 | 4010619  | 30.713 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 61.43%     |

Target Compounds

(f)=RT Delta > 1/2 Window

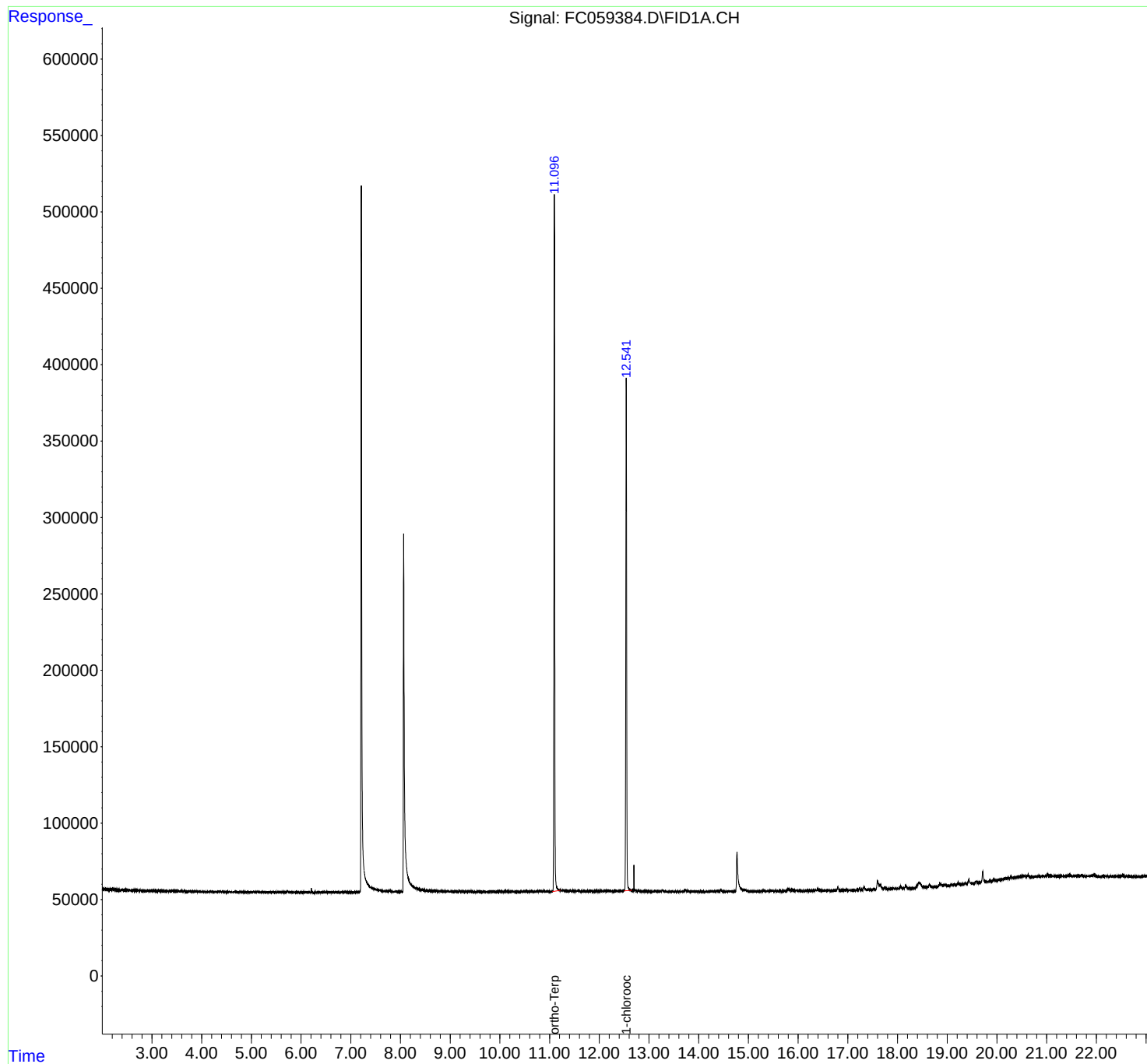
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059384.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 8:38  
Operator : UA/NP  
Sample : N2487-04  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-S

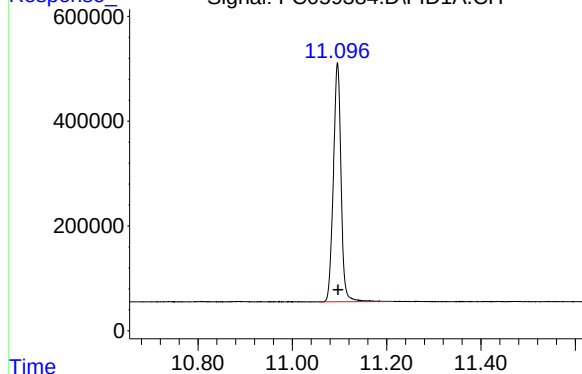
Integration File: sample.E  
Quant Time: Apr 25 01:31:51 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



Signal: FC059384.D\FID1A.CH

#9 ortho-Terphenyl (SURR)

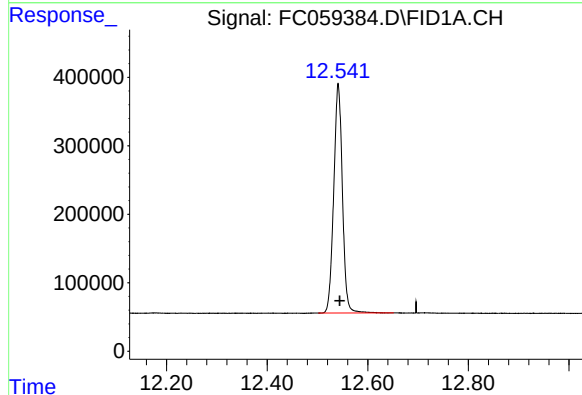


R.T.: 11.096 min  
Delta R.T.: -0.001 min  
Response: 5147483  
Conc: 32.03 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-S

Signal: FC059384.D\FID1A.CH

#12 1-chlorooctadecane (SURR)



R.T.: 12.541 min  
Delta R.T.: -0.003 min  
Response: 4010619  
Conc: 30.71 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059384.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 8:38  
 Sample : N2487-04  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.925       | 2.905        | 2.955      | BV       | 186            | 2477         | 0.04%          | 0.008%        |
| 2         | 2.967       | 2.955        | 3.005      | VV       | 216            | 3947         | 0.06%          | 0.012%        |
| 3         | 3.054       | 3.005        | 3.068      | PV       | 285            | 5437         | 0.09%          | 0.017%        |
| 4         | 3.075       | 3.068        | 3.122      | VV       | 205            | 4675         | 0.08%          | 0.015%        |
| 5         | 3.144       | 3.122        | 3.163      | VV       | 240            | 4173         | 0.07%          | 0.013%        |
| 6         | 3.175       | 3.163        | 3.184      | PV       | 146            | 1029         | 0.02%          | 0.003%        |
| 7         | 3.196       | 3.184        | 3.205      | VV       | 138            | 1442         | 0.02%          | 0.005%        |
| 8         | 3.233       | 3.205        | 3.284      | VV       | 212            | 5908         | 0.10%          | 0.019%        |
| 9         | 3.296       | 3.284        | 3.337      | VV       | 200            | 4217         | 0.07%          | 0.013%        |
| 10        | 3.356       | 3.337        | 3.375      | VV       | 190            | 2878         | 0.05%          | 0.009%        |
| 11        | 3.398       | 3.375        | 3.431      | VV       | 312            | 7598         | 0.12%          | 0.024%        |
| 12        | 3.451       | 3.431        | 3.464      | VV       | 312            | 4501         | 0.07%          | 0.014%        |
| 13        | 3.484       | 3.464        | 3.533      | VV       | 297            | 9731         | 0.16%          | 0.031%        |
| 14        | 3.541       | 3.533        | 3.557      | VV       | 302            | 3445         | 0.06%          | 0.011%        |
| 15        | 3.571       | 3.557        | 3.589      | VV       | 301            | 4542         | 0.07%          | 0.014%        |
| 16        | 3.605       | 3.589        | 3.632      | VV       | 543            | 6560         | 0.11%          | 0.021%        |
| 17        | 3.647       | 3.632        | 3.677      | VV       | 302            | 5562         | 0.09%          | 0.017%        |
| 18        | 3.688       | 3.677        | 3.721      | VV       | 243            | 4750         | 0.08%          | 0.015%        |
| 19        | 3.743       | 3.721        | 3.773      | VV       | 273            | 7844         | 0.13%          | 0.025%        |
| 20        | 3.781       | 3.773        | 3.795      | VV       | 218            | 2330         | 0.04%          | 0.007%        |
| 21        | 3.806       | 3.795        | 3.815      | VV       | 174            | 1786         | 0.03%          | 0.006%        |
| 22        | 3.821       | 3.815        | 3.893      | VV       | 204            | 6264         | 0.10%          | 0.020%        |
| 23        | 3.904       | 3.893        | 3.935      | VV       | 164            | 2814         | 0.05%          | 0.009%        |
| 24        | 3.945       | 3.935        | 3.975      | VV       | 219            | 2941         | 0.05%          | 0.009%        |
| 25        | 3.986       | 3.975        | 3.998      | VV       | 183            | 1942         | 0.03%          | 0.006%        |
| 26        | 4.013       | 3.998        | 4.036      | VV       | 222            | 3360         | 0.05%          | 0.011%        |
| 27        | 4.050       | 4.036        | 4.061      | VV       | 263            | 2289         | 0.04%          | 0.007%        |
| 28        | 4.094       | 4.061        | 4.128      | VV       | 262            | 7317         | 0.12%          | 0.023%        |
| 29        | 4.183       | 4.128        | 4.256      | VV       | 379            | 18591        | 0.30%          | 0.058%        |
| 30        | 4.278       | 4.256        | 4.308      | PV       | 454            | 6227         | 0.10%          | 0.020%        |
| 31        | 4.368       | 4.308        | 4.387      | VV       | 323            | 10087        | 0.16%          | 0.032%        |
| 32        | 4.420       | 4.387        | 4.430      | VV       | 325            | 5925         | 0.10%          | 0.019%        |
| 33        | 4.435       | 4.430        | 4.443      | VV       | 213            | 1668         | 0.03%          | 0.005%        |
| 34        | 4.468       | 4.443        | 4.507      | VV       | 254            | 7042         | 0.11%          | 0.022%        |
| 35        | 4.536       | 4.507        | 4.558      | VV       | 358            | 6765         | 0.11%          | 0.021%        |
| 36        | 4.567       | 4.558        | 4.622      | VV       | 295            | 5998         | 0.10%          | 0.019%        |

|    |       |       |       |    | rters  |         |         |         |
|----|-------|-------|-------|----|--------|---------|---------|---------|
| 37 | 4.690 | 4.622 | 4.702 | VV | 326    | 9437    | 0.15%   | 0.030%  |
| 38 | 4.711 | 4.702 | 4.731 | VV | 199    | 2203    | 0.04%   | 0.007%  |
| 39 | 4.751 | 4.731 | 4.775 | VV | 196    | 3474    | 0.06%   | 0.011%  |
| 40 | 4.797 | 4.775 | 4.815 | VV | 262    | 4248    | 0.07%   | 0.013%  |
|    |       |       |       |    |        |         |         |         |
| 41 | 4.841 | 4.815 | 4.874 | VV | 275    | 6246    | 0.10%   | 0.020%  |
| 42 | 4.885 | 4.874 | 4.932 | VV | 220    | 5806    | 0.09%   | 0.018%  |
| 43 | 5.005 | 4.932 | 5.024 | PV | 278    | 10214   | 0.16%   | 0.032%  |
| 44 | 5.038 | 5.024 | 5.072 | VV | 419    | 7400    | 0.12%   | 0.023%  |
| 45 | 5.082 | 5.072 | 5.142 | VV | 367    | 9849    | 0.16%   | 0.031%  |
|    |       |       |       |    |        |         |         |         |
| 46 | 5.165 | 5.142 | 5.201 | VV | 335    | 7733    | 0.12%   | 0.024%  |
| 47 | 5.211 | 5.201 | 5.220 | VV | 248    | 2278    | 0.04%   | 0.007%  |
| 48 | 5.227 | 5.220 | 5.242 | VV | 202    | 2297    | 0.04%   | 0.007%  |
| 49 | 5.266 | 5.242 | 5.296 | VV | 267    | 5362    | 0.09%   | 0.017%  |
| 50 | 5.321 | 5.296 | 5.352 | VV | 323    | 6062    | 0.10%   | 0.019%  |
|    |       |       |       |    |        |         |         |         |
| 51 | 5.359 | 5.352 | 5.366 | VV | 169    | 1405    | 0.02%   | 0.004%  |
| 52 | 5.385 | 5.366 | 5.412 | VV | 252    | 5037    | 0.08%   | 0.016%  |
| 53 | 5.446 | 5.412 | 5.485 | VV | 303    | 7485    | 0.12%   | 0.024%  |
| 54 | 5.504 | 5.485 | 5.522 | VV | 209    | 3652    | 0.06%   | 0.011%  |
| 55 | 5.529 | 5.522 | 5.540 | VV | 189    | 1798    | 0.03%   | 0.006%  |
|    |       |       |       |    |        |         |         |         |
| 56 | 5.564 | 5.540 | 5.585 | VV | 210    | 4815    | 0.08%   | 0.015%  |
| 57 | 5.596 | 5.585 | 5.606 | VV | 208    | 1910    | 0.03%   | 0.006%  |
| 58 | 5.639 | 5.606 | 5.691 | VV | 266    | 9689    | 0.16%   | 0.030%  |
| 59 | 5.732 | 5.691 | 5.766 | VV | 1163   | 17490   | 0.28%   | 0.055%  |
| 60 | 5.787 | 5.766 | 5.826 | VV | 248    | 5931    | 0.10%   | 0.019%  |
|    |       |       |       |    |        |         |         |         |
| 61 | 5.853 | 5.826 | 5.888 | VV | 264    | 7136    | 0.12%   | 0.022%  |
| 62 | 5.905 | 5.888 | 5.922 | VV | 237    | 4203    | 0.07%   | 0.013%  |
| 63 | 5.932 | 5.922 | 5.965 | VV | 260    | 4625    | 0.07%   | 0.015%  |
| 64 | 5.992 | 5.965 | 6.028 | VV | 268    | 5780    | 0.09%   | 0.018%  |
| 65 | 6.038 | 6.028 | 6.048 | VV | 187    | 1439    | 0.02%   | 0.005%  |
|    |       |       |       |    |        |         |         |         |
| 66 | 6.094 | 6.048 | 6.138 | VV | 241    | 8907    | 0.14%   | 0.028%  |
| 67 | 6.156 | 6.138 | 6.165 | VV | 232    | 2368    | 0.04%   | 0.007%  |
| 68 | 6.176 | 6.165 | 6.187 | VV | 213    | 2254    | 0.04%   | 0.007%  |
| 69 | 6.208 | 6.187 | 6.261 | VV | 1185   | 8384    | 0.14%   | 0.026%  |
| 70 | 6.277 | 6.261 | 6.302 | PV | 246    | 3584    | 0.06%   | 0.011%  |
|    |       |       |       |    |        |         |         |         |
| 71 | 6.318 | 6.302 | 6.331 | VV | 247    | 3049    | 0.05%   | 0.010%  |
| 72 | 6.349 | 6.331 | 6.387 | VV | 479    | 6829    | 0.11%   | 0.021%  |
| 73 | 6.406 | 6.387 | 6.418 | VV | 217    | 2820    | 0.05%   | 0.009%  |
| 74 | 6.443 | 6.418 | 6.458 | VV | 292    | 5024    | 0.08%   | 0.016%  |
| 75 | 6.465 | 6.458 | 6.485 | VV | 322    | 2861    | 0.05%   | 0.009%  |
|    |       |       |       |    |        |         |         |         |
| 76 | 6.523 | 6.485 | 6.546 | VV | 321    | 6873    | 0.11%   | 0.022%  |
| 77 | 6.554 | 6.546 | 6.580 | VV | 316    | 3850    | 0.06%   | 0.012%  |
| 78 | 6.593 | 6.580 | 6.603 | VV | 182    | 2364    | 0.04%   | 0.007%  |
| 79 | 6.616 | 6.603 | 6.646 | VV | 304    | 6361    | 0.10%   | 0.020%  |
| 80 | 6.698 | 6.646 | 6.790 | VV | 367    | 19880   | 0.32%   | 0.062%  |
|    |       |       |       |    |        |         |         |         |
| 81 | 6.816 | 6.790 | 6.839 | VV | 435    | 8401    | 0.14%   | 0.026%  |
| 82 | 6.925 | 6.839 | 6.955 | VV | 339    | 16445   | 0.27%   | 0.052%  |
| 83 | 6.975 | 6.955 | 6.991 | VV | 209    | 3956    | 0.06%   | 0.012%  |
| 84 | 7.042 | 6.991 | 7.118 | VV | 321    | 14435   | 0.23%   | 0.045%  |
| 85 | 7.155 | 7.118 | 7.163 | VV | 400    | 6888    | 0.11%   | 0.022%  |
|    |       |       |       |    |        |         |         |         |
| 86 | 7.179 | 7.163 | 7.187 | VV | 506    | 6093    | 0.10%   | 0.019%  |
| 87 | 7.212 | 7.187 | 7.659 | VV | 462736 | 6197086 | 100.00% | 19.465% |
| 88 | 7.674 | 7.659 | 7.741 | VV | 1059   | 44732   | 0.72%   | 0.140%  |
| 89 | 7.752 | 7.741 | 7.763 | VV | 841    | 10728   | 0.17%   | 0.034%  |

| rteres |        |        |        |    |        |         |        |         |
|--------|--------|--------|--------|----|--------|---------|--------|---------|
| 90     | 7.784  | 7.763  | 7.819  | VV | 1488   | 32664   | 0.53%  | 0.103%  |
| 91     | 7.831  | 7.819  | 7.853  | VV | 817    | 13305   | 0.21%  | 0.042%  |
| 92     | 7.864  | 7.853  | 7.880  | VV | 573    | 8532    | 0.14%  | 0.027%  |
| 93     | 7.899  | 7.880  | 7.936  | VV | 642    | 17966   | 0.29%  | 0.056%  |
| 94     | 7.944  | 7.936  | 7.979  | VV | 499    | 10767   | 0.17%  | 0.034%  |
| 95     | 7.989  | 7.979  | 8.003  | VV | 471    | 5288    | 0.09%  | 0.017%  |
| 96     | 8.018  | 8.003  | 8.032  | VV | 393    | 5792    | 0.09%  | 0.018%  |
| 97     | 8.064  | 8.032  | 8.458  | VV | 232540 | 4167288 | 67.25% | 13.089% |
| 98     | 8.462  | 8.458  | 8.570  | VV | 1612   | 89353   | 1.44%  | 0.281%  |
| 99     | 8.610  | 8.570  | 8.655  | VV | 1286   | 54566   | 0.88%  | 0.171%  |
| 100    | 8.684  | 8.655  | 8.712  | VV | 1067   | 31448   | 0.51%  | 0.099%  |
| 101    | 8.714  | 8.712  | 8.777  | VV | 966    | 32890   | 0.53%  | 0.103%  |
| 102    | 8.790  | 8.777  | 8.828  | VV | 832    | 22994   | 0.37%  | 0.072%  |
| 103    | 8.833  | 8.828  | 8.848  | VV | 804    | 8620    | 0.14%  | 0.027%  |
| 104    | 8.855  | 8.848  | 8.877  | VV | 801    | 12516   | 0.20%  | 0.039%  |
| 105    | 8.897  | 8.877  | 8.928  | VV | 768    | 19193   | 0.31%  | 0.060%  |
| 106    | 8.949  | 8.928  | 8.983  | VV | 720    | 20544   | 0.33%  | 0.065%  |
| 107    | 9.024  | 8.983  | 9.052  | VV | 717    | 24854   | 0.40%  | 0.078%  |
| 108    | 9.058  | 9.052  | 9.163  | VV | 619    | 38634   | 0.62%  | 0.121%  |
| 109    | 9.194  | 9.163  | 9.255  | VV | 851    | 30124   | 0.49%  | 0.095%  |
| 110    | 9.278  | 9.255  | 9.345  | VV | 439    | 23088   | 0.37%  | 0.073%  |
| 111    | 9.377  | 9.345  | 9.502  | VV | 667    | 42445   | 0.68%  | 0.133%  |
| 112    | 9.529  | 9.502  | 9.551  | VV | 403    | 10904   | 0.18%  | 0.034%  |
| 113    | 9.572  | 9.551  | 9.620  | VV | 453    | 14147   | 0.23%  | 0.044%  |
| 114    | 9.672  | 9.620  | 9.718  | VV | 625    | 22352   | 0.36%  | 0.070%  |
| 115    | 9.753  | 9.718  | 9.774  | VV | 525    | 13202   | 0.21%  | 0.041%  |
| 116    | 9.847  | 9.774  | 9.928  | VV | 467    | 27881   | 0.45%  | 0.088%  |
| 117    | 10.030 | 9.928  | 10.068 | VV | 541    | 34709   | 0.56%  | 0.109%  |
| 118    | 10.112 | 10.068 | 10.143 | VV | 622    | 22226   | 0.36%  | 0.070%  |
| 119    | 10.169 | 10.143 | 10.238 | VV | 707    | 26952   | 0.43%  | 0.085%  |
| 120    | 10.257 | 10.238 | 10.292 | VV | 394    | 12749   | 0.21%  | 0.040%  |
| 121    | 10.300 | 10.292 | 10.377 | VV | 434    | 15408   | 0.25%  | 0.048%  |
| 122    | 10.425 | 10.377 | 10.458 | VV | 467    | 17184   | 0.28%  | 0.054%  |
| 123    | 10.514 | 10.458 | 10.535 | VV | 498    | 19916   | 0.32%  | 0.063%  |
| 124    | 10.550 | 10.535 | 10.586 | VV | 607    | 15014   | 0.24%  | 0.047%  |
| 125    | 10.622 | 10.586 | 10.665 | VV | 573    | 21885   | 0.35%  | 0.069%  |
| 126    | 10.741 | 10.665 | 10.782 | VV | 703    | 34062   | 0.55%  | 0.107%  |
| 127    | 10.806 | 10.782 | 10.858 | VV | 855    | 28067   | 0.45%  | 0.088%  |
| 128    | 10.887 | 10.858 | 10.985 | VV | 967    | 46756   | 0.75%  | 0.147%  |
| 129    | 11.002 | 10.985 | 11.039 | VV | 536    | 15602   | 0.25%  | 0.049%  |
| 130    | 11.095 | 11.039 | 11.337 | VV | 456353 | 5296758 | 85.47% | 16.637% |
| 131    | 11.361 | 11.337 | 11.388 | VV | 896    | 24391   | 0.39%  | 0.077%  |
| 132    | 11.412 | 11.388 | 11.525 | VV | 1013   | 67154   | 1.08%  | 0.211%  |
| 133    | 11.546 | 11.525 | 11.620 | VV | 862    | 40869   | 0.66%  | 0.128%  |
| 134    | 11.645 | 11.620 | 11.665 | VV | 708    | 15536   | 0.25%  | 0.049%  |
| 135    | 11.690 | 11.665 | 11.718 | VV | 713    | 18627   | 0.30%  | 0.059%  |
| 136    | 11.766 | 11.718 | 11.796 | VV | 686    | 28071   | 0.45%  | 0.088%  |
| 137    | 11.813 | 11.796 | 11.828 | VV | 600    | 10473   | 0.17%  | 0.033%  |
| 138    | 11.844 | 11.828 | 11.872 | VV | 654    | 14605   | 0.24%  | 0.046%  |
| 139    | 11.926 | 11.872 | 11.967 | VV | 693    | 33682   | 0.54%  | 0.106%  |
| 140    | 11.992 | 11.967 | 12.009 | VV | 689    | 14926   | 0.24%  | 0.047%  |
| 141    | 12.044 | 12.009 | 12.083 | VV | 752    | 29204   | 0.47%  | 0.092%  |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 12.110 | 12.083 | 12.148 | VV | 1071   | 31062   | 0.50%  | 0.098%  |
| 143 | 12.177 | 12.148 | 12.222 | VV | 1067   | 32708   | 0.53%  | 0.103%  |
| 144 | 12.233 | 12.222 | 12.260 | VV | 727    | 14217   | 0.23%  | 0.045%  |
| 145 | 12.354 | 12.260 | 12.378 | VV | 733    | 41527   | 0.67%  | 0.130%  |
| 146 | 12.411 | 12.378 | 12.438 | VV | 814    | 23374   | 0.38%  | 0.073%  |
| 147 | 12.456 | 12.438 | 12.475 | VV | 643    | 13566   | 0.22%  | 0.043%  |
| 148 | 12.541 | 12.475 | 12.677 | VV | 335693 | 4123806 | 66.54% | 12.953% |
| 149 | 12.696 | 12.677 | 12.891 | VV | 3934   | 96858   | 1.56%  | 0.304%  |
| 150 | 12.911 | 12.891 | 13.008 | VV | 594    | 31340   | 0.51%  | 0.098%  |
| 151 | 13.030 | 13.008 | 13.071 | VV | 422    | 13382   | 0.22%  | 0.042%  |
| 152 | 13.131 | 13.071 | 13.162 | VV | 583    | 23033   | 0.37%  | 0.072%  |
| 153 | 13.170 | 13.162 | 13.201 | VV | 481    | 9250    | 0.15%  | 0.029%  |
| 154 | 13.265 | 13.201 | 13.412 | VV | 898    | 49458   | 0.80%  | 0.155%  |
| 155 | 13.430 | 13.412 | 13.455 | VV | 306    | 5230    | 0.08%  | 0.016%  |
| 156 | 13.484 | 13.455 | 13.544 | VV | 245    | 9792    | 0.16%  | 0.031%  |
| 157 | 13.624 | 13.544 | 13.652 | VV | 262    | 12450   | 0.20%  | 0.039%  |
| 158 | 13.730 | 13.652 | 13.875 | VV | 1253   | 64266   | 1.04%  | 0.202%  |
| 159 | 13.890 | 13.875 | 13.932 | VV | 317    | 8158    | 0.13%  | 0.026%  |
| 160 | 13.951 | 13.932 | 14.022 | VV | 271    | 9598    | 0.15%  | 0.030%  |
| 161 | 14.039 | 14.022 | 14.078 | PV | 518    | 5683    | 0.09%  | 0.018%  |
| 162 | 14.101 | 14.078 | 14.171 | VV | 293    | 9490    | 0.15%  | 0.030%  |
| 163 | 14.240 | 14.171 | 14.324 | VV | 532    | 28865   | 0.47%  | 0.091%  |
| 164 | 14.363 | 14.324 | 14.412 | VV | 948    | 23405   | 0.38%  | 0.074%  |
| 165 | 14.445 | 14.412 | 14.558 | VV | 1295   | 33619   | 0.54%  | 0.106%  |
| 166 | 14.631 | 14.558 | 14.688 | VV | 332    | 16608   | 0.27%  | 0.052%  |
| 167 | 14.770 | 14.688 | 14.896 | VV | 25562  | 592809  | 9.57%  | 1.862%  |
| 168 | 14.918 | 14.896 | 15.022 | VV | 1481   | 53927   | 0.87%  | 0.169%  |
| 169 | 15.035 | 15.022 | 15.069 | VV | 245    | 6805    | 0.11%  | 0.021%  |
| 170 | 15.084 | 15.069 | 15.142 | VV | 235    | 8192    | 0.13%  | 0.026%  |
| 171 | 15.161 | 15.142 | 15.184 | VV | 186    | 3763    | 0.06%  | 0.012%  |
| 172 | 15.270 | 15.184 | 15.353 | PV | 692    | 30345   | 0.49%  | 0.095%  |
| 173 | 15.410 | 15.353 | 15.455 | VV | 495    | 20317   | 0.33%  | 0.064%  |
| 174 | 15.478 | 15.455 | 15.519 | VV | 462    | 11182   | 0.18%  | 0.035%  |
| 175 | 15.540 | 15.519 | 15.562 | VV | 228    | 4430    | 0.07%  | 0.014%  |
| 176 | 15.594 | 15.562 | 15.621 | VV | 214    | 6817    | 0.11%  | 0.021%  |
| 177 | 15.641 | 15.621 | 15.665 | VV | 193    | 4131    | 0.07%  | 0.013%  |
| 178 | 15.741 | 15.665 | 15.758 | VV | 289    | 10352   | 0.17%  | 0.033%  |
| 179 | 15.799 | 15.758 | 15.865 | VV | 1479   | 57709   | 0.93%  | 0.181%  |
| 180 | 15.882 | 15.865 | 15.948 | VV | 807    | 26279   | 0.42%  | 0.083%  |
| 181 | 15.970 | 15.948 | 16.058 | VV | 480    | 20824   | 0.34%  | 0.065%  |
| 182 | 16.085 | 16.058 | 16.124 | VV | 269    | 7531    | 0.12%  | 0.024%  |
| 183 | 16.142 | 16.124 | 16.172 | VV | 179    | 2840    | 0.05%  | 0.009%  |
| 184 | 16.238 | 16.172 | 16.262 | VV | 347    | 12943   | 0.21%  | 0.041%  |
| 185 | 16.392 | 16.262 | 16.465 | VV | 1632   | 64969   | 1.05%  | 0.204%  |
| 186 | 16.486 | 16.465 | 16.532 | VV | 369    | 8461    | 0.14%  | 0.027%  |
| 187 | 16.553 | 16.532 | 16.657 | VV | 229    | 12704   | 0.21%  | 0.040%  |
| 188 | 16.671 | 16.657 | 16.711 | VV | 188    | 3776    | 0.06%  | 0.012%  |
| 189 | 16.799 | 16.711 | 16.862 | PV | 2257   | 53283   | 0.86%  | 0.167%  |
| 190 | 16.891 | 16.862 | 17.000 | VV | 500    | 21974   | 0.35%  | 0.069%  |
| 191 | 17.044 | 17.000 | 17.100 | VV | 287    | 10088   | 0.16%  | 0.032%  |
| 192 | 17.120 | 17.100 | 17.140 | VV | 229    | 3264    | 0.05%  | 0.010%  |
| 193 | 17.235 | 17.140 | 17.298 | PV | 1511   | 50020   | 0.81%  | 0.157%  |
| 194 | 17.326 | 17.298 | 17.387 | VV | 2277   | 52372   | 0.85%  | 0.164%  |

|                         |        |        |        |     | rterres |         |          |        |
|-------------------------|--------|--------|--------|-----|---------|---------|----------|--------|
| 195                     | 17.423 | 17.387 | 17.484 | VV  | 475     | 21908   | 0.35%    | 0.069% |
| 196                     | 17.600 | 17.484 | 17.638 | VV  | 5943    | 180940  | 2.92%    | 0.568% |
| 197                     | 17.654 | 17.638 | 17.718 | VV  | 3769    | 96340   | 1.55%    | 0.303% |
| 198                     | 17.741 | 17.718 | 17.852 | VV  | 1454    | 68593   | 1.11%    | 0.215% |
| 199                     | 17.872 | 17.852 | 17.895 | VV  | 827     | 18424   | 0.30%    | 0.058% |
| 200                     | 17.914 | 17.895 | 17.981 | VV  | 1376    | 42555   | 0.69%    | 0.134% |
| 201                     | 18.064 | 17.981 | 18.118 | VV  | 2312    | 89054   | 1.44%    | 0.280% |
| 202                     | 18.165 | 18.118 | 18.222 | VV  | 2829    | 86843   | 1.40%    | 0.273% |
| 203                     | 18.260 | 18.222 | 18.302 | VV  | 846     | 36277   | 0.59%    | 0.114% |
| 204                     | 18.428 | 18.302 | 18.577 | VV  | 4570    | 365757  | 5.90%    | 1.149% |
| 205                     | 18.591 | 18.577 | 18.608 | VV  | 1519    | 26015   | 0.42%    | 0.082% |
| 206                     | 18.641 | 18.608 | 18.685 | VV  | 3633    | 99724   | 1.61%    | 0.313% |
| 207                     | 18.702 | 18.685 | 18.752 | VV  | 1575    | 59693   | 0.96%    | 0.187% |
| 208                     | 18.771 | 18.752 | 18.798 | VV  | 1611    | 42169   | 0.68%    | 0.132% |
| 209                     | 18.868 | 18.798 | 18.914 | VV  | 3614    | 177589  | 2.87%    | 0.558% |
| 210                     | 18.951 | 18.914 | 19.048 | VV  | 3031    | 192694  | 3.11%    | 0.605% |
| 211                     | 19.096 | 19.048 | 19.122 | VV  | 2791    | 110186  | 1.78%    | 0.346% |
| 212                     | 19.143 | 19.122 | 19.178 | VV  | 3102    | 92563   | 1.49%    | 0.291% |
| 213                     | 19.218 | 19.178 | 19.295 | VV  | 3760    | 213161  | 3.44%    | 0.670% |
| 214                     | 19.368 | 19.295 | 19.392 | VV  | 3691    | 185880  | 3.00%    | 0.584% |
| 215                     | 19.435 | 19.392 | 19.478 | VV  | 5718    | 219269  | 3.54%    | 0.689% |
| 216                     | 19.491 | 19.478 | 19.523 | VV  | 3564    | 95244   | 1.54%    | 0.299% |
| 217                     | 19.581 | 19.523 | 19.622 | VV  | 4732    | 225043  | 3.63%    | 0.707% |
| 218                     | 19.713 | 19.622 | 19.769 | VV  | 11157   | 465649  | 7.51%    | 1.463% |
| 219                     | 19.858 | 19.769 | 19.898 | VV  | 5019    | 354902  | 5.73%    | 1.115% |
| 220                     | 19.936 | 19.898 | 19.972 | VV  | 5924    | 230253  | 3.72%    | 0.723% |
| 221                     | 20.188 | 19.972 | 20.238 | VV  | 6347    | 909047  | 14.67%   | 2.855% |
| 222                     | 20.279 | 20.238 | 20.310 | VV  | 7603    | 293791  | 4.74%    | 0.923% |
| 223                     | 20.551 | 20.310 | 20.602 | VV  | 7747    | 1272073 | 20.53%   | 3.995% |
| 224                     | 20.626 | 20.602 | 20.702 | VV  | 8332    | 447445  | 7.22%    | 1.405% |
| 225                     | 20.784 | 20.702 | 20.805 | VV  | 7433    | 444149  | 7.17%    | 1.395% |
| 226                     | 20.828 | 20.805 | 20.861 | VV  | 7372    | 244281  | 3.94%    | 0.767% |
| 227                     | 20.929 | 20.861 | 20.952 | VV  | 7405    | 396114  | 6.39%    | 1.244% |
| 228                     | 21.016 | 20.952 | 21.102 | VBA | 8304    | 691846  | 11.16%   | 2.173% |
| Sum of corrected areas: |        |        |        |     |         |         | 31837743 |        |

Aliphatic EPH 042122.M Mon Apr 25 11:35:14 2022



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059385.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 9:15  
 Operator : UA/NP  
 Sample : N2487-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 UST-1-W

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 25 01:32:00 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.095 | 5099460  | 31.735 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 63.47%     |
| 12) S 1-chlorooctadecane (S... | 12.542 | 4018122  | 30.771 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 61.54%     |

Target Compounds

(f)=RT Delta > 1/2 Window

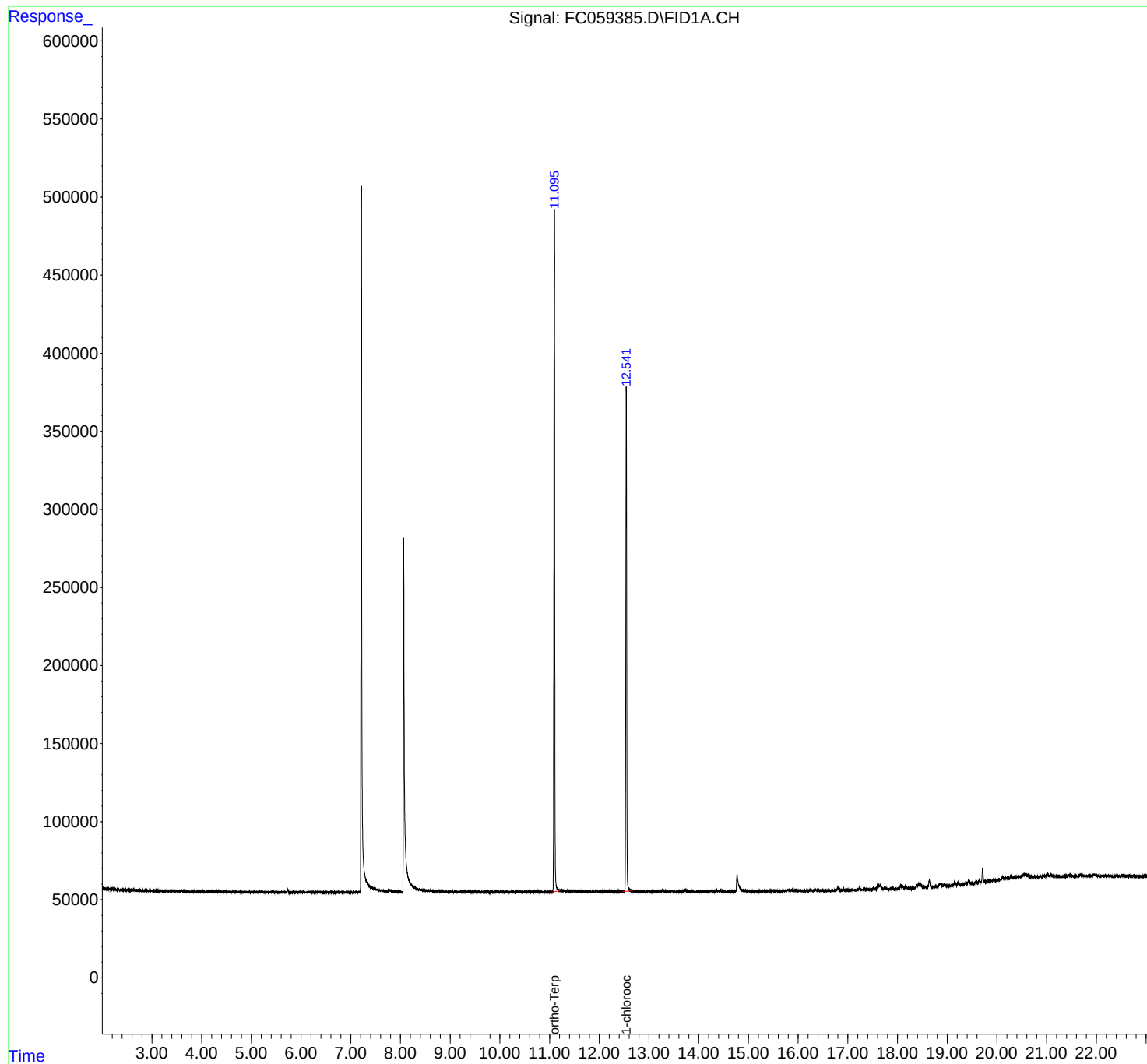
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059385.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 9:15  
Operator : UA/NP  
Sample : N2487-05  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-W

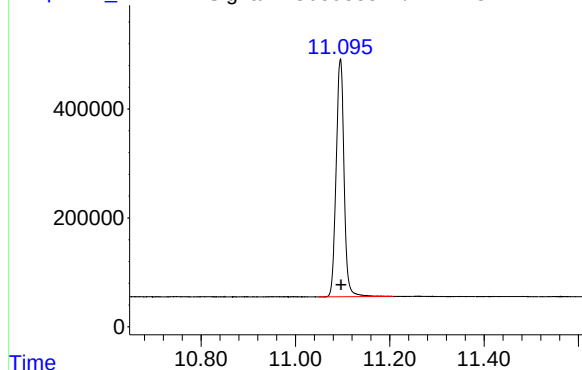
Integration File: sample.E  
Quant Time: Apr 25 01:32:00 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



Signal: FC059385.D\FID1A.CH

#9 ortho-Terphenyl (SURR)

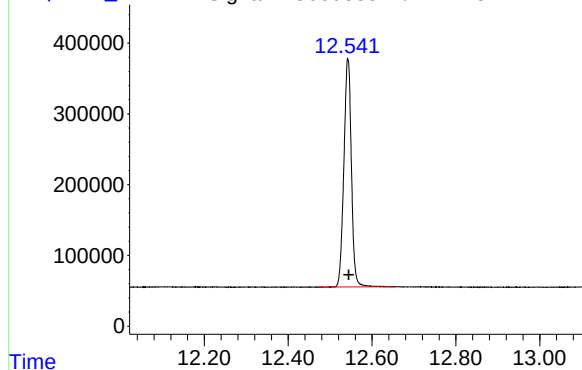


R.T.: 11.095 min  
Delta R.T.: -0.002 min  
Response: 5099460  
Conc: 31.73 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-W

Signal: FC059385.D\FID1A.CH

#12 1-chlorooctadecane (SURR)



R.T.: 12.542 min  
Delta R.T.: -0.002 min  
Response: 4018122  
Conc: 30.77 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059385.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 9:15  
 Sample : N2487-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.929       | 2.905        | 2.960      | BV       | 158            | 2048         | 0.04%          | 0.007%        |
| 2         | 3.012       | 2.960        | 3.042      | PV       | 234            | 5347         | 0.09%          | 0.018%        |
| 3         | 3.052       | 3.042        | 3.092      | VV       | 183            | 3289         | 0.06%          | 0.011%        |
| 4         | 3.119       | 3.092        | 3.172      | VV       | 321            | 7102         | 0.12%          | 0.023%        |
| 5         | 3.181       | 3.172        | 3.199      | VV       | 178            | 1515         | 0.03%          | 0.005%        |
| 6         | 3.209       | 3.199        | 3.242      | VV       | 120            | 1593         | 0.03%          | 0.005%        |
| 7         | 3.253       | 3.242        | 3.271      | VV       | 99             | 2110         | 0.04%          | 0.007%        |
| 8         | 3.284       | 3.271        | 3.304      | VV       | 167            | 2150         | 0.04%          | 0.007%        |
| 9         | 3.321       | 3.304        | 3.354      | VV       | 247            | 3468         | 0.06%          | 0.011%        |
| 10        | 3.400       | 3.354        | 3.435      | PV       | 233            | 6162         | 0.11%          | 0.020%        |
| 11        | 3.442       | 3.435        | 3.468      | VV       | 220            | 3470         | 0.06%          | 0.011%        |
| 12        | 3.488       | 3.468        | 3.520      | VV       | 213            | 5674         | 0.10%          | 0.019%        |
| 13        | 3.534       | 3.520        | 3.548      | VV       | 332            | 3979         | 0.07%          | 0.013%        |
| 14        | 3.559       | 3.548        | 3.582      | VV       | 300            | 4838         | 0.08%          | 0.016%        |
| 15        | 3.607       | 3.582        | 3.621      | VV       | 550            | 8299         | 0.14%          | 0.027%        |
| 16        | 3.640       | 3.621        | 3.677      | VV       | 410            | 8767         | 0.15%          | 0.029%        |
| 17        | 3.689       | 3.677        | 3.706      | VV       | 234            | 3288         | 0.06%          | 0.011%        |
| 18        | 3.740       | 3.706        | 3.765      | VV       | 270            | 6199         | 0.11%          | 0.020%        |
| 19        | 3.783       | 3.765        | 3.795      | PV       | 202            | 2114         | 0.04%          | 0.007%        |
| 20        | 3.827       | 3.795        | 3.883      | VV       | 269            | 8238         | 0.14%          | 0.027%        |
| 21        | 3.904       | 3.883        | 3.932      | VV       | 215            | 3488         | 0.06%          | 0.012%        |
| 22        | 3.946       | 3.932        | 3.967      | VV       | 265            | 3635         | 0.06%          | 0.012%        |
| 23        | 3.982       | 3.967        | 3.993      | VV       | 232            | 2039         | 0.03%          | 0.007%        |
| 24        | 4.005       | 3.993        | 4.048      | VV       | 239            | 4531         | 0.08%          | 0.015%        |
| 25        | 4.064       | 4.048        | 4.080      | VV       | 114            | 1964         | 0.03%          | 0.006%        |
| 26        | 4.119       | 4.080        | 4.132      | VV       | 306            | 6698         | 0.11%          | 0.022%        |
| 27        | 4.134       | 4.132        | 4.147      | VV       | 281            | 2140         | 0.04%          | 0.007%        |
| 28        | 4.180       | 4.147        | 4.265      | VV       | 454            | 21223        | 0.36%          | 0.070%        |
| 29        | 4.279       | 4.265        | 4.309      | VV       | 531            | 9253         | 0.16%          | 0.031%        |
| 30        | 4.337       | 4.309        | 4.355      | VV       | 296            | 6353         | 0.11%          | 0.021%        |
| 31        | 4.367       | 4.355        | 4.412      | VV       | 369            | 8675         | 0.15%          | 0.029%        |
| 32        | 4.422       | 4.412        | 4.460      | VV       | 225            | 3971         | 0.07%          | 0.013%        |
| 33        | 4.489       | 4.460        | 4.522      | VV       | 180            | 2783         | 0.05%          | 0.009%        |
| 34        | 4.572       | 4.522        | 4.595      | VV       | 263            | 7190         | 0.12%          | 0.024%        |
| 35        | 4.626       | 4.595        | 4.659      | VV       | 276            | 5772         | 0.10%          | 0.019%        |
| 36        | 4.669       | 4.659        | 4.701      | VV       | 153            | 2109         | 0.04%          | 0.007%        |

|    |       |       |       |    | rters |       |       |        |
|----|-------|-------|-------|----|-------|-------|-------|--------|
| 37 | 4.712 | 4.701 | 4.735 | PV | 165   | 1380  | 0.02% | 0.005% |
| 38 | 4.753 | 4.735 | 4.765 | VV | 166   | 1748  | 0.03% | 0.006% |
| 39 | 4.789 | 4.765 | 4.828 | VV | 236   | 6806  | 0.12% | 0.022% |
| 40 | 4.835 | 4.828 | 4.897 | VV | 199   | 6566  | 0.11% | 0.022% |
|    |       |       |       |    |       |       |       |        |
| 41 | 4.918 | 4.897 | 4.933 | VV | 225   | 2514  | 0.04% | 0.008% |
| 42 | 4.967 | 4.933 | 5.024 | VV | 216   | 5710  | 0.10% | 0.019% |
| 43 | 5.053 | 5.024 | 5.092 | VV | 255   | 4870  | 0.08% | 0.016% |
| 44 | 5.098 | 5.092 | 5.111 | PV | 151   | 960   | 0.02% | 0.003% |
| 45 | 5.145 | 5.111 | 5.169 | VV | 182   | 3537  | 0.06% | 0.012% |
|    |       |       |       |    |       |       |       |        |
| 46 | 5.198 | 5.169 | 5.207 | VV | 141   | 2281  | 0.04% | 0.008% |
| 47 | 5.233 | 5.207 | 5.254 | VV | 223   | 4345  | 0.07% | 0.014% |
| 48 | 5.266 | 5.254 | 5.273 | VV | 153   | 1165  | 0.02% | 0.004% |
| 49 | 5.287 | 5.273 | 5.305 | VV | 280   | 2904  | 0.05% | 0.010% |
| 50 | 5.317 | 5.305 | 5.331 | VV | 144   | 1413  | 0.02% | 0.005% |
|    |       |       |       |    |       |       |       |        |
| 51 | 5.376 | 5.331 | 5.398 | PV | 289   | 6302  | 0.11% | 0.021% |
| 52 | 5.420 | 5.398 | 5.511 | VV | 282   | 11482 | 0.20% | 0.038% |
| 53 | 5.521 | 5.511 | 5.545 | VV | 210   | 2625  | 0.05% | 0.009% |
| 54 | 5.566 | 5.545 | 5.575 | VV | 227   | 2986  | 0.05% | 0.010% |
| 55 | 5.583 | 5.575 | 5.626 | VV | 279   | 6671  | 0.11% | 0.022% |
|    |       |       |       |    |       |       |       |        |
| 56 | 5.661 | 5.626 | 5.679 | VV | 277   | 6335  | 0.11% | 0.021% |
| 57 | 5.699 | 5.679 | 5.708 | VV | 303   | 3949  | 0.07% | 0.013% |
| 58 | 5.733 | 5.708 | 5.772 | VV | 2045  | 26277 | 0.45% | 0.087% |
| 59 | 5.826 | 5.772 | 5.835 | PV | 204   | 5188  | 0.09% | 0.017% |
| 60 | 5.854 | 5.835 | 5.895 | VV | 291   | 8855  | 0.15% | 0.029% |
|    |       |       |       |    |       |       |       |        |
| 61 | 5.901 | 5.895 | 5.923 | VV | 200   | 3050  | 0.05% | 0.010% |
| 62 | 5.941 | 5.923 | 5.964 | VV | 205   | 3395  | 0.06% | 0.011% |
| 63 | 5.973 | 5.964 | 5.982 | VV | 190   | 1494  | 0.03% | 0.005% |
| 64 | 6.005 | 5.982 | 6.104 | VV | 290   | 10176 | 0.17% | 0.034% |
| 65 | 6.119 | 6.104 | 6.132 | VV | 262   | 3261  | 0.06% | 0.011% |
|    |       |       |       |    |       |       |       |        |
| 66 | 6.174 | 6.132 | 6.186 | VV | 344   | 7912  | 0.14% | 0.026% |
| 67 | 6.197 | 6.186 | 6.238 | VV | 296   | 5906  | 0.10% | 0.019% |
| 68 | 6.277 | 6.238 | 6.306 | VV | 335   | 8856  | 0.15% | 0.029% |
| 69 | 6.330 | 6.306 | 6.365 | VV | 231   | 6381  | 0.11% | 0.021% |
| 70 | 6.385 | 6.365 | 6.434 | VV | 290   | 5889  | 0.10% | 0.019% |
|    |       |       |       |    |       |       |       |        |
| 71 | 6.448 | 6.434 | 6.462 | VV | 117   | 1233  | 0.02% | 0.004% |
| 72 | 6.476 | 6.462 | 6.489 | PV | 219   | 1898  | 0.03% | 0.006% |
| 73 | 6.503 | 6.489 | 6.510 | VV | 207   | 1790  | 0.03% | 0.006% |
| 74 | 6.524 | 6.510 | 6.536 | VV | 303   | 3708  | 0.06% | 0.012% |
| 75 | 6.559 | 6.536 | 6.568 | VV | 313   | 4318  | 0.07% | 0.014% |
|    |       |       |       |    |       |       |       |        |
| 76 | 6.578 | 6.568 | 6.593 | VV | 287   | 3616  | 0.06% | 0.012% |
| 77 | 6.600 | 6.593 | 6.633 | VV | 229   | 4147  | 0.07% | 0.014% |
| 78 | 6.649 | 6.633 | 6.664 | VV | 255   | 2962  | 0.05% | 0.010% |
| 79 | 6.675 | 6.664 | 6.697 | VV | 213   | 3245  | 0.06% | 0.011% |
| 80 | 6.729 | 6.697 | 6.739 | VV | 269   | 4487  | 0.08% | 0.015% |
|    |       |       |       |    |       |       |       |        |
| 81 | 6.754 | 6.739 | 6.777 | VV | 264   | 4639  | 0.08% | 0.015% |
| 82 | 6.795 | 6.777 | 6.804 | VV | 206   | 2179  | 0.04% | 0.007% |
| 83 | 6.856 | 6.804 | 6.880 | VV | 238   | 6492  | 0.11% | 0.021% |
| 84 | 6.923 | 6.880 | 6.973 | VV | 509   | 15339 | 0.26% | 0.051% |
| 85 | 6.988 | 6.973 | 7.026 | VV | 214   | 3759  | 0.06% | 0.012% |
|    |       |       |       |    |       |       |       |        |
| 86 | 7.053 | 7.026 | 7.064 | VV | 224   | 3313  | 0.06% | 0.011% |
| 87 | 7.094 | 7.064 | 7.109 | VV | 248   | 4666  | 0.08% | 0.015% |
| 88 | 7.121 | 7.109 | 7.137 | VV | 212   | 2500  | 0.04% | 0.008% |
| 89 | 7.174 | 7.137 | 7.186 | VV | 340   | 8053  | 0.14% | 0.027% |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 90  | 7.212  | 7.186  | 7.463  | VV | 449004 | 5825352 | 100.00% | 19.228% |
| 91  | 7.473  | 7.463  | 7.585  | VV | 2338   | 133401  | 2.29%   | 0.440%  |
| 92  | 7.599  | 7.585  | 7.725  | VV | 1531   | 85800   | 1.47%   | 0.283%  |
| 93  | 7.753  | 7.725  | 7.763  | VV | 877    | 19198   | 0.33%   | 0.063%  |
| 94  | 7.784  | 7.763  | 7.848  | VV | 1908   | 52427   | 0.90%   | 0.173%  |
| 95  | 7.863  | 7.848  | 7.879  | VV | 637    | 11036   | 0.19%   | 0.036%  |
| 96  | 7.891  | 7.879  | 7.908  | VV | 678    | 9149    | 0.16%   | 0.030%  |
| 97  | 7.920  | 7.908  | 7.937  | VV | 546    | 8036    | 0.14%   | 0.027%  |
| 98  | 7.947  | 7.937  | 7.976  | VV | 556    | 10559   | 0.18%   | 0.035%  |
| 99  | 8.008  | 7.976  | 8.036  | VV | 460    | 13628   | 0.23%   | 0.045%  |
| 100 | 8.065  | 8.036  | 8.443  | VV | 222711 | 4002599 | 68.71%  | 13.211% |
| 101 | 8.459  | 8.443  | 8.578  | VV | 1586   | 106871  | 1.83%   | 0.353%  |
| 102 | 8.595  | 8.578  | 8.639  | VV | 1263   | 39199   | 0.67%   | 0.129%  |
| 103 | 8.657  | 8.639  | 8.696  | VV | 968    | 30439   | 0.52%   | 0.100%  |
| 104 | 8.712  | 8.696  | 8.730  | VV | 843    | 15613   | 0.27%   | 0.052%  |
| 105 | 8.779  | 8.730  | 8.832  | VV | 854    | 42931   | 0.74%   | 0.142%  |
| 106 | 8.853  | 8.832  | 8.894  | VV | 675    | 20516   | 0.35%   | 0.068%  |
| 107 | 8.910  | 8.894  | 8.932  | VV | 567    | 10306   | 0.18%   | 0.034%  |
| 108 | 8.949  | 8.932  | 8.989  | VV | 617    | 16263   | 0.28%   | 0.054%  |
| 109 | 8.997  | 8.989  | 9.003  | VV | 430    | 3304    | 0.06%   | 0.011%  |
| 110 | 9.019  | 9.003  | 9.038  | VV | 541    | 10123   | 0.17%   | 0.033%  |
| 111 | 9.046  | 9.038  | 9.095  | VV | 504    | 16092   | 0.28%   | 0.053%  |
| 112 | 9.110  | 9.095  | 9.138  | VV | 691    | 11699   | 0.20%   | 0.039%  |
| 113 | 9.162  | 9.138  | 9.170  | VV | 447    | 7449    | 0.13%   | 0.025%  |
| 114 | 9.191  | 9.170  | 9.218  | VV | 539    | 12047   | 0.21%   | 0.040%  |
| 115 | 9.232  | 9.218  | 9.239  | VV | 413    | 4799    | 0.08%   | 0.016%  |
| 116 | 9.247  | 9.239  | 9.268  | VV | 391    | 6482    | 0.11%   | 0.021%  |
| 117 | 9.273  | 9.268  | 9.281  | VV | 431    | 2828    | 0.05%   | 0.009%  |
| 118 | 9.291  | 9.281  | 9.317  | VV | 445    | 8347    | 0.14%   | 0.028%  |
| 119 | 9.332  | 9.317  | 9.367  | VV | 429    | 10565   | 0.18%   | 0.035%  |
| 120 | 9.379  | 9.367  | 9.421  | VV | 392    | 10250   | 0.18%   | 0.034%  |
| 121 | 9.432  | 9.421  | 9.447  | VV | 396    | 4901    | 0.08%   | 0.016%  |
| 122 | 9.458  | 9.447  | 9.492  | VV | 359    | 8138    | 0.14%   | 0.027%  |
| 123 | 9.533  | 9.492  | 9.561  | VV | 380    | 13383   | 0.23%   | 0.044%  |
| 124 | 9.571  | 9.561  | 9.611  | VV | 397    | 7112    | 0.12%   | 0.023%  |
| 125 | 9.639  | 9.611  | 9.660  | VV | 280    | 5810    | 0.10%   | 0.019%  |
| 126 | 9.670  | 9.660  | 9.685  | VV | 306    | 2485    | 0.04%   | 0.008%  |
| 127 | 9.700  | 9.685  | 9.715  | VV | 158    | 2323    | 0.04%   | 0.008%  |
| 128 | 9.742  | 9.715  | 9.752  | VV | 330    | 4440    | 0.08%   | 0.015%  |
| 129 | 9.767  | 9.752  | 9.813  | VV | 384    | 6912    | 0.12%   | 0.023%  |
| 130 | 9.833  | 9.813  | 9.847  | VV | 225    | 3238    | 0.06%   | 0.011%  |
| 131 | 9.904  | 9.847  | 9.914  | VV | 383    | 10256   | 0.18%   | 0.034%  |
| 132 | 9.948  | 9.914  | 9.961  | VV | 427    | 9534    | 0.16%   | 0.031%  |
| 133 | 9.975  | 9.961  | 9.989  | VV | 291    | 4250    | 0.07%   | 0.014%  |
| 134 | 10.018 | 9.989  | 10.051 | VV | 378    | 11096   | 0.19%   | 0.037%  |
| 135 | 10.069 | 10.051 | 10.085 | VV | 316    | 5159    | 0.09%   | 0.017%  |
| 136 | 10.113 | 10.085 | 10.211 | VV | 532    | 20409   | 0.35%   | 0.067%  |
| 137 | 10.222 | 10.211 | 10.262 | VV | 254    | 5350    | 0.09%   | 0.018%  |
| 138 | 10.272 | 10.262 | 10.285 | VV | 198    | 2069    | 0.04%   | 0.007%  |
| 139 | 10.336 | 10.285 | 10.361 | PV | 326    | 8580    | 0.15%   | 0.028%  |
| 140 | 10.378 | 10.361 | 10.411 | VV | 248    | 4468    | 0.08%   | 0.015%  |
| 141 | 10.436 | 10.411 | 10.448 | VV | 358    | 4432    | 0.08%   | 0.015%  |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 10.456 | 10.448 | 10.472 | VV | 332    | 3551    | 0.06%  | 0.012%  |
| 143 | 10.524 | 10.472 | 10.539 | VV | 383    | 11213   | 0.19%  | 0.037%  |
| 144 | 10.570 | 10.539 | 10.580 | VV | 340    | 6698    | 0.11%  | 0.022%  |
| 145 | 10.592 | 10.580 | 10.608 | VV | 326    | 3788    | 0.07%  | 0.013%  |
| 146 | 10.637 | 10.608 | 10.681 | VV | 397    | 13993   | 0.24%  | 0.046%  |
| 147 | 10.691 | 10.681 | 10.725 | VV | 420    | 7357    | 0.13%  | 0.024%  |
| 148 | 10.748 | 10.725 | 10.759 | VV | 541    | 7599    | 0.13%  | 0.025%  |
| 149 | 10.764 | 10.759 | 10.781 | VV | 433    | 3899    | 0.07%  | 0.013%  |
| 150 | 10.805 | 10.781 | 10.855 | VV | 441    | 11529   | 0.20%  | 0.038%  |
| 151 | 10.896 | 10.855 | 10.905 | VV | 271    | 6316    | 0.11%  | 0.021%  |
| 152 | 10.913 | 10.905 | 10.923 | VV | 279    | 2114    | 0.04%  | 0.007%  |
| 153 | 10.953 | 10.923 | 11.052 | VV | 323    | 17736   | 0.30%  | 0.059%  |
| 154 | 11.095 | 11.052 | 11.218 | VV | 436785 | 5153559 | 88.47% | 17.010% |
| 155 | 11.220 | 11.218 | 11.235 | VV | 1003   | 8680    | 0.15%  | 0.029%  |
| 156 | 11.259 | 11.235 | 11.328 | VV | 1123   | 46454   | 0.80%  | 0.153%  |
| 157 | 11.347 | 11.328 | 11.398 | VV | 702    | 26506   | 0.46%  | 0.087%  |
| 158 | 11.404 | 11.398 | 11.412 | VV | 612    | 4748    | 0.08%  | 0.016%  |
| 159 | 11.422 | 11.412 | 11.446 | VV | 631    | 12666   | 0.22%  | 0.042%  |
| 160 | 11.481 | 11.446 | 11.518 | VV | 683    | 23799   | 0.41%  | 0.079%  |
| 161 | 11.549 | 11.518 | 11.561 | VV | 564    | 11856   | 0.20%  | 0.039%  |
| 162 | 11.572 | 11.561 | 11.602 | VV | 536    | 10941   | 0.19%  | 0.036%  |
| 163 | 11.610 | 11.602 | 11.619 | VV | 421    | 3730    | 0.06%  | 0.012%  |
| 164 | 11.633 | 11.619 | 11.667 | VV | 445    | 10769   | 0.18%  | 0.036%  |
| 165 | 11.681 | 11.667 | 11.696 | VV | 395    | 6050    | 0.10%  | 0.020%  |
| 166 | 11.709 | 11.696 | 11.720 | VV | 471    | 5365    | 0.09%  | 0.018%  |
| 167 | 11.744 | 11.720 | 11.798 | VV | 541    | 18764   | 0.32%  | 0.062%  |
| 168 | 11.831 | 11.798 | 11.845 | VV | 403    | 9221    | 0.16%  | 0.030%  |
| 169 | 11.887 | 11.845 | 11.905 | VV | 378    | 11726   | 0.20%  | 0.039%  |
| 170 | 11.933 | 11.905 | 12.017 | VV | 606    | 27895   | 0.48%  | 0.092%  |
| 171 | 12.035 | 12.017 | 12.048 | VV | 433    | 6589    | 0.11%  | 0.022%  |
| 172 | 12.108 | 12.048 | 12.161 | VV | 678    | 34731   | 0.60%  | 0.115%  |
| 173 | 12.179 | 12.161 | 12.195 | VV | 516    | 9349    | 0.16%  | 0.031%  |
| 174 | 12.224 | 12.195 | 12.270 | VV | 595    | 18983   | 0.33%  | 0.063%  |
| 175 | 12.314 | 12.270 | 12.369 | VV | 489    | 20184   | 0.35%  | 0.067%  |
| 176 | 12.404 | 12.369 | 12.471 | VV | 418    | 20130   | 0.35%  | 0.066%  |
| 177 | 12.542 | 12.471 | 12.936 | VV | 324927 | 4140331 | 71.07% | 13.666% |
| 178 | 12.960 | 12.936 | 12.976 | VV | 291    | 4795    | 0.08%  | 0.016%  |
| 179 | 13.108 | 12.976 | 13.128 | VV | 518    | 22974   | 0.39%  | 0.076%  |
| 180 | 13.138 | 13.128 | 13.185 | VV | 403    | 12005   | 0.21%  | 0.040%  |
| 181 | 13.187 | 13.185 | 13.212 | VV | 405    | 4558    | 0.08%  | 0.015%  |
| 182 | 13.263 | 13.212 | 13.437 | VV | 943    | 44893   | 0.77%  | 0.148%  |
| 183 | 13.459 | 13.437 | 13.542 | VV | 258    | 10245   | 0.18%  | 0.034%  |
| 184 | 13.554 | 13.542 | 13.662 | VV | 237    | 13296   | 0.23%  | 0.044%  |
| 185 | 13.733 | 13.662 | 13.831 | VV | 1057   | 39597   | 0.68%  | 0.131%  |
| 186 | 13.864 | 13.831 | 13.925 | VV | 303    | 11628   | 0.20%  | 0.038%  |
| 187 | 13.956 | 13.925 | 14.008 | PV | 255    | 6667    | 0.11%  | 0.022%  |
| 188 | 14.045 | 14.008 | 14.157 | VV | 275    | 13401   | 0.23%  | 0.044%  |
| 189 | 14.241 | 14.157 | 14.322 | VV | 442    | 22028   | 0.38%  | 0.073%  |
| 190 | 14.366 | 14.322 | 14.422 | VV | 741    | 22888   | 0.39%  | 0.076%  |
| 191 | 14.447 | 14.422 | 14.562 | VV | 900    | 22701   | 0.39%  | 0.075%  |
| 192 | 14.613 | 14.562 | 14.682 | PV | 215    | 7669    | 0.13%  | 0.025%  |
| 193 | 14.717 | 14.682 | 14.742 | PV | 229    | 3546    | 0.06%  | 0.012%  |
| 194 | 14.773 | 14.742 | 14.895 | VV | 10750  | 310277  | 5.33%  | 1.024%  |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 195 | 14.913 | 14.895 | 15.031 | VV | 941    | 34462  | 0.59% | 0.114% |
| 196 | 15.056 | 15.031 | 15.084 | VV | 161    | 2858   | 0.05% | 0.009% |
| 197 | 15.121 | 15.084 | 15.229 | PV | 177    | 7459   | 0.13% | 0.025% |
| 198 | 15.347 | 15.229 | 15.365 | PV | 297    | 17458  | 0.30% | 0.058% |
| 199 | 15.407 | 15.365 | 15.452 | VV | 684    | 17315  | 0.30% | 0.057% |
| 200 | 15.479 | 15.452 | 15.529 | VV | 312    | 9003   | 0.15% | 0.030% |
| 201 | 15.554 | 15.529 | 15.602 | VV | 235    | 6588   | 0.11% | 0.022% |
| 202 | 15.617 | 15.602 | 15.645 | VV | 206    | 3297   | 0.06% | 0.011% |
| 203 | 15.675 | 15.645 | 15.694 | VV | 218    | 4707   | 0.08% | 0.016% |
| 204 | 15.713 | 15.694 | 15.745 | VV | 282    | 5808   | 0.10% | 0.019% |
| 205 | 15.806 | 15.745 | 15.868 | VV | 703    | 35060  | 0.60% | 0.116% |
| 206 | 15.889 | 15.868 | 15.945 | VV | 917    | 23615  | 0.41% | 0.078% |
| 207 | 15.970 | 15.945 | 16.061 | VV | 573    | 22813  | 0.39% | 0.075% |
| 208 | 16.107 | 16.061 | 16.144 | VV | 255    | 8333   | 0.14% | 0.028% |
| 209 | 16.254 | 16.144 | 16.305 | VV | 603    | 29050  | 0.50% | 0.096% |
| 210 | 16.351 | 16.305 | 16.436 | VV | 1144   | 34134  | 0.59% | 0.113% |
| 211 | 16.447 | 16.436 | 16.503 | VV | 433    | 9040   | 0.16% | 0.030% |
| 212 | 16.533 | 16.503 | 16.568 | VV | 254    | 6091   | 0.10% | 0.020% |
| 213 | 16.578 | 16.568 | 16.608 | VV | 118    | 1126   | 0.02% | 0.004% |
| 214 | 16.692 | 16.608 | 16.718 | PV | 389    | 13160  | 0.23% | 0.043% |
| 215 | 16.800 | 16.718 | 16.855 | VV | 2154   | 50390  | 0.87% | 0.166% |
| 216 | 16.909 | 16.855 | 16.965 | VV | 1148   | 30134  | 0.52% | 0.099% |
| 217 | 17.039 | 16.965 | 17.057 | VV | 232    | 9731   | 0.17% | 0.032% |
| 218 | 17.083 | 17.057 | 17.112 | VV | 288    | 6507   | 0.11% | 0.021% |
| 219 | 17.138 | 17.112 | 17.156 | VV | 281    | 3891   | 0.07% | 0.013% |
| 220 | 17.235 | 17.156 | 17.282 | VV | 2009   | 47463  | 0.81% | 0.157% |
| 221 | 17.327 | 17.282 | 17.398 | VV | 1664   | 45444  | 0.78% | 0.150% |
| 222 | 17.449 | 17.398 | 17.488 | VV | 410    | 19051  | 0.33% | 0.063% |
| 223 | 17.521 | 17.488 | 17.554 | VV | 1758   | 37448  | 0.64% | 0.124% |
| 224 | 17.605 | 17.554 | 17.635 | VV | 3201   | 97090  | 1.67% | 0.320% |
| 225 | 17.654 | 17.635 | 17.705 | VV | 3510   | 80182  | 1.38% | 0.265% |
| 226 | 17.739 | 17.705 | 17.832 | VV | 1602   | 64362  | 1.10% | 0.212% |
| 227 | 17.858 | 17.832 | 17.888 | VV | 649    | 18102  | 0.31% | 0.060% |
| 228 | 17.914 | 17.888 | 17.978 | VV | 974    | 34416  | 0.59% | 0.114% |
| 229 | 18.065 | 17.978 | 18.081 | VV | 2828   | 73871  | 1.27% | 0.244% |
| 230 | 18.096 | 18.081 | 18.131 | VV | 2738   | 56237  | 0.97% | 0.186% |
| 231 | 18.163 | 18.131 | 18.248 | VV | 2322   | 81596  | 1.40% | 0.269% |
| 232 | 18.266 | 18.248 | 18.298 | VV | 757    | 20794  | 0.36% | 0.069% |
| 233 | 18.321 | 18.298 | 18.338 | VV | 870    | 17572  | 0.30% | 0.058% |
| 234 | 18.455 | 18.338 | 18.581 | VV | 4255   | 315602 | 5.42% | 1.042% |
| 235 | 18.641 | 18.581 | 18.698 | VV | 5901   | 166656 | 2.86% | 0.550% |
| 236 | 18.866 | 18.698 | 18.905 | VV | 3521   | 246037 | 4.22% | 0.812% |
| 237 | 18.949 | 18.905 | 19.055 | VV | 2528   | 189635 | 3.26% | 0.626% |
| 238 | 19.090 | 19.055 | 19.108 | VV | 2517   | 69511  | 1.19% | 0.229% |
| 239 | 19.156 | 19.108 | 19.188 | VV | 4357   | 147600 | 2.53% | 0.487% |
| 240 | 19.216 | 19.188 | 19.292 | VV | 3955   | 183789 | 3.15% | 0.607% |
| 241 | 19.366 | 19.292 | 19.395 | VV | 3212   | 179471 | 3.08% | 0.592% |
| 242 | 19.436 | 19.395 | 19.532 | VV | 5876   | 305615 | 5.25% | 1.009% |
| 243 | 19.580 | 19.532 | 19.612 | VV | 4791   | 177912 | 3.05% | 0.587% |
| 244 | 19.648 | 19.612 | 19.682 | VV | 5567   | 187444 | 3.22% | 0.619% |
| 245 | 19.712 | 19.682 | 19.792 | VV | 13058  | 397786 | 6.83% | 1.313% |
| 246 | 19.862 | 19.792 | 19.898 | VV | 5036   | 292217 | 5.02% | 0.965% |



|     |        |        |        |     | rterres |         |        |        |
|-----|--------|--------|--------|-----|---------|---------|--------|--------|
| 247 | 19.934 | 19.898 | 20.005 | VV  | 5913    | 325382  | 5.59%  | 1.074% |
| 248 | 20.115 | 20.005 | 20.151 | VV  | 6980    | 503029  | 8.64%  | 1.660% |
| 249 | 20.194 | 20.151 | 20.252 | VV  | 6621    | 381917  | 6.56%  | 1.261% |
| 250 | 20.279 | 20.252 | 20.308 | VV  | 7519    | 233249  | 4.00%  | 0.770% |
| 251 | 20.566 | 20.308 | 20.605 | VV  | 8560    | 1298958 | 22.30% | 4.287% |
| 252 | 20.624 | 20.605 | 20.743 | VV  | 8207    | 604650  | 10.38% | 1.996% |
| 253 | 20.765 | 20.743 | 20.797 | VV  | 6940    | 220215  | 3.78%  | 0.727% |
| 254 | 21.016 | 20.797 | 21.048 | VV  | 7883    | 1076259 | 18.48% | 3.552% |
| 255 | 21.082 | 21.048 | 21.102 | VBA | 7582    | 247295  | 4.25%  | 0.816% |

Sum of corrected areas: 30296533

Aliphatic EPH 042122.M Mon Apr 25 11:35:46 2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059375.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 2:59  
 Operator : UA/NP  
 Sample : PB144264BL  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB144264BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: sample.E  
 Quant Time: Apr 23 05:19:56 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:30:29 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.098 | 7040614  | 43.815 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 87.63%     |
| 12) S 1-chlorooctadecane (S... | 12.544 | 5710984  | 43.734 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 87.47%     |

Target Compounds

(f)=RT Delta > 1/2 Window

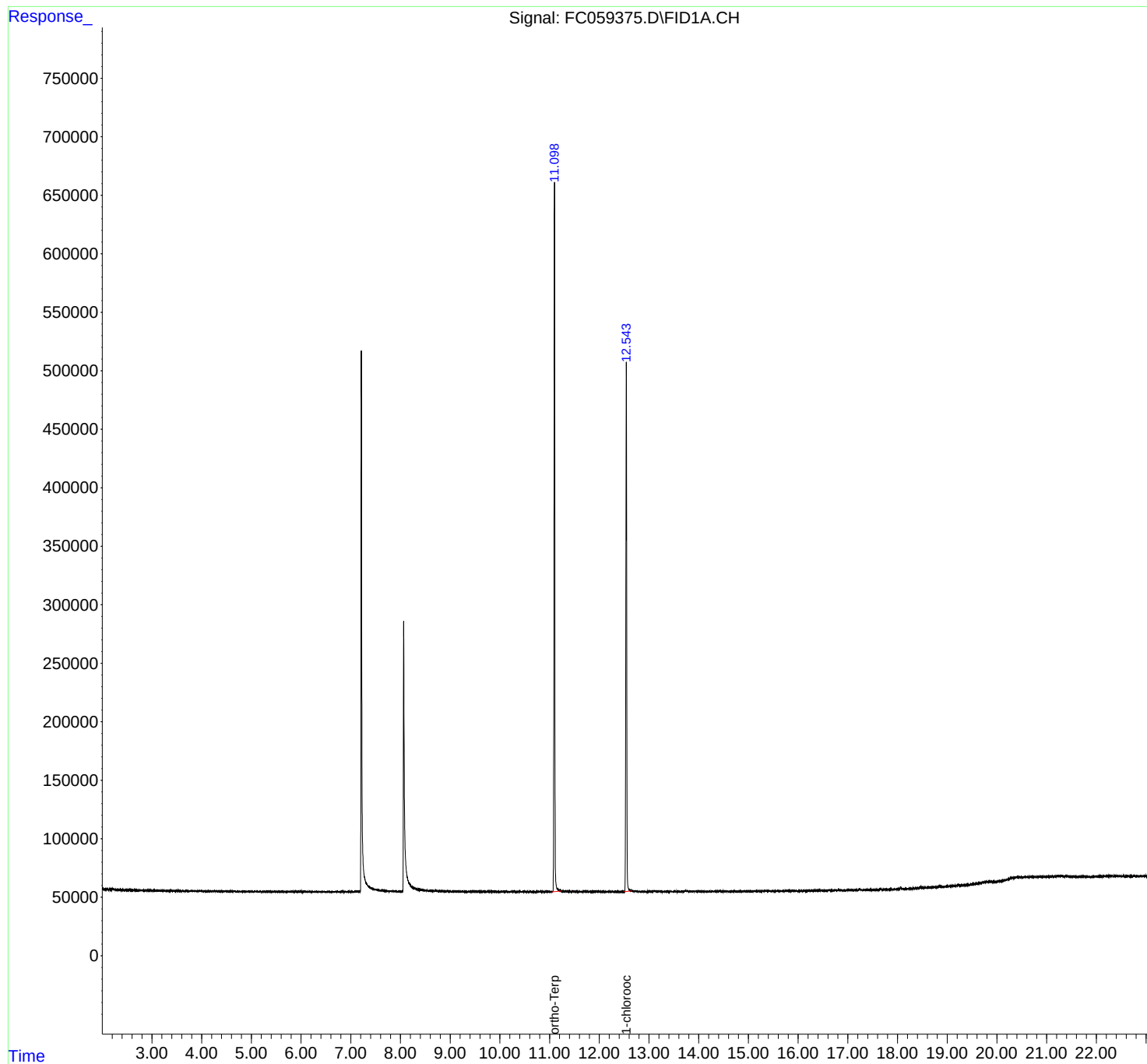
(m)=manual int.

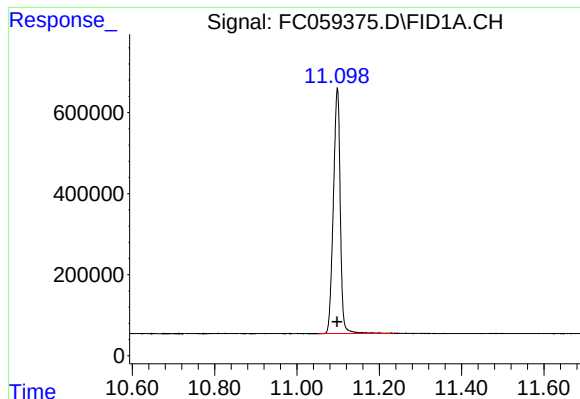
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059375.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 2:59  
Operator : UA/NP  
Sample : PB144264BL  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB144264BL

Integration File: sample.E  
Quant Time: Apr 23 05:19:56 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

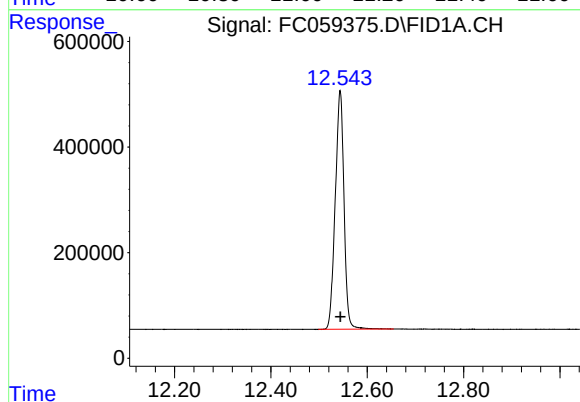




#9 ortho-Terphenyl (SURR)

R.T.: 11.098 min  
Delta R.T.: 0.000 min  
Response: 7040614  
Conc: 43.81 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
PB144264BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.544 min  
Delta R.T.: 0.000 min  
Response: 5710984  
Conc: 43.73 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059375.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 2:59  
 Sample : PB144264BL  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 11.098      | 11.052       | 11.235     | BB       | 607049         | 7040614      | 100.00%        | 55.214%       |
| 2                       | 12.544      | 12.498       | 12.655     | BB       | 453801         | 5710984      | 81.11%         | 44.786%       |
| Sum of corrected areas: |             |              |            |          |                |              | 12751598       |               |

Aliphatic EPH 042122.M Mon Apr 25 11:16:29 2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059376.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 3:38  
 Operator : UA/NP  
 Sample : PB144264BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

## Instrument :

FID\_C

## ClientSampleId :

PB144264BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 23 05:20:07 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 21 17:30:29 2022

Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.099 | 7623795    | 47.444 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 94.89%        |
| 12) S 1-chlorooctadecane (S... | 12.545 | 6531264    | 50.016 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 100.03%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.976  | 5374289    | 42.881 ug/ml  |
| 2) T n-Decane (C10)            | 4.010  | 5474759    | 43.821 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.551  | 6273752    | 51.144 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.000  | 5823545    | 44.162 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.599  | 6335052    | 50.196 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.783  | 6196190    | 45.808 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.372  | 6798784    | 48.409 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.806 | 7553518    | 51.709 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.109 | 7497152    | 49.991 ug/mlm |
| 11) T n-Heneicosane (C21)      | 12.717 | 7686465    | 50.532 ug/ml  |
| 13) T n-Docosane (C22)         | 13.299 | 7666593    | 50.036 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.396 | 8931143    | 57.679 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.414 | 7375328    | 47.855 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.358 | 7307705    | 47.206 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.243 | 6486576    | 42.706 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.069 | 6170860    | 43.796 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.849 | 5370320    | 42.491 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.585 | 4960164    | 45.349 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.283 | 4665681    | 50.098 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.023 | 4504996    | 53.934 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059376.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 3:38  
Operator : UA/NP  
Sample : PB144264BS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

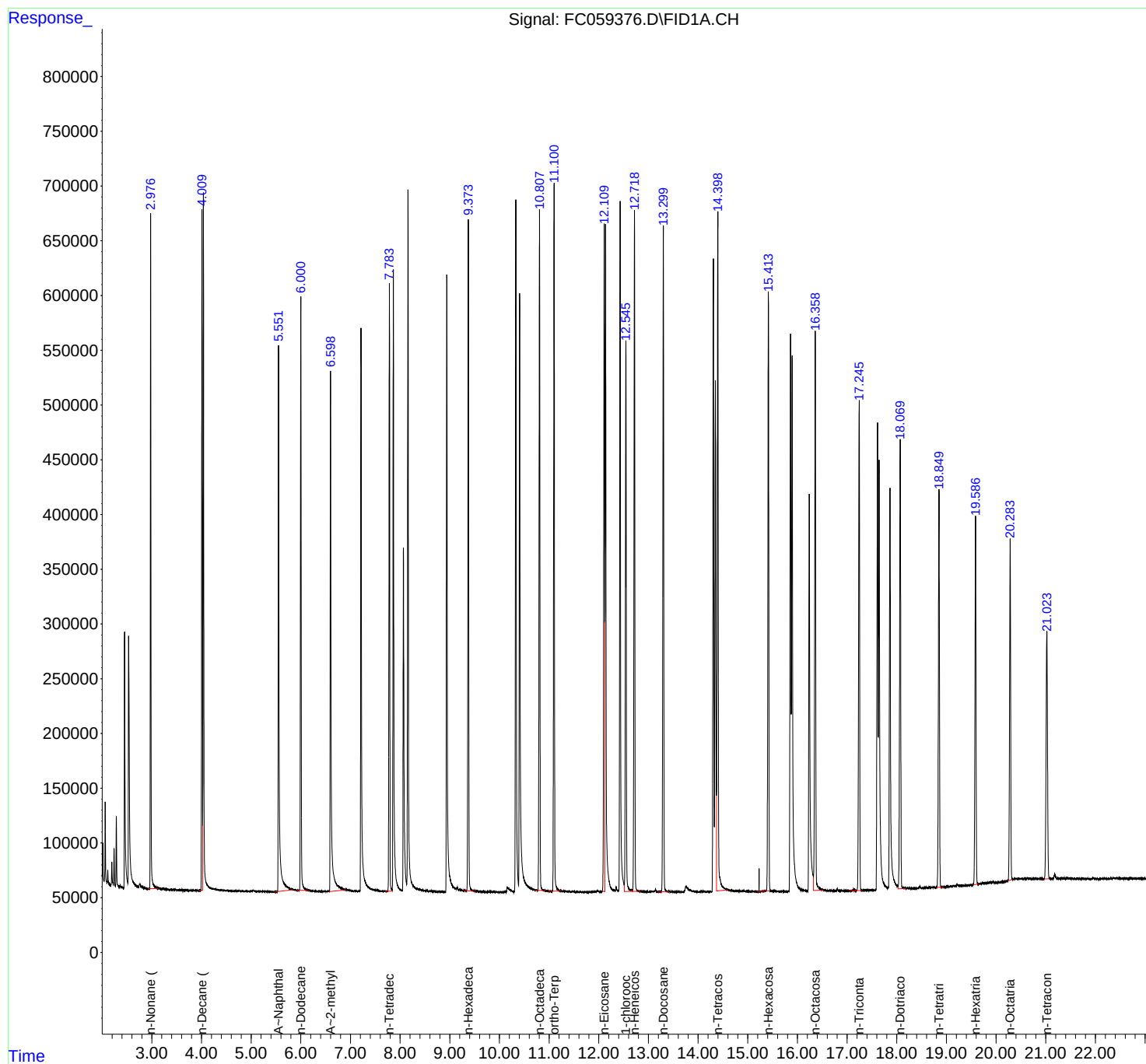
Instrument :  
FID\_C  
ClientSampleId :  
PB144264BS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/25/2022  
Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E  
Quant Time: Apr 23 05:20:07 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 21 17:30:29 2022  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID\_C

ClientSampleId :

PB144264BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC04222  
 Data File : FC059376.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 3:38  
 Sample : PB144264BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|--------|----------|-----------|---------|-------|-------------|-----------|-------------|------------|
| 1      | 2.976    | 2.918     | 3.128   | BB    | 606749      | 5374289   | 60.17%      | 2.050%     |
| 2      | 4.010    | 3.945     | 4.024   | BV    | 618054      | 5474759   | 61.30%      | 2.088%     |
| 3      | 4.039    | 4.024     | 4.241   | VB    | 632314      | 6412223   | 71.80%      | 2.446%     |
| 4      | 5.551    | 5.485     | 5.848   | BB    | 496323      | 6273752   | 70.25%      | 2.393%     |
| 5      | 6.000    | 5.918     | 6.161   | BB    | 545359      | 5823545   | 65.20%      | 2.221%     |
| 6      | 6.599    | 6.571     | 6.905   | BB    | 474607      | 6335052   | 70.93%      | 2.417%     |
| 7      | 7.213    | 7.148     | 7.458   | BV    | 509276      | 6275353   | 70.26%      | 2.394%     |
| 8      | 7.783    | 7.698     | 7.838   | BV    | 563570      | 6196190   | 69.38%      | 2.364%     |
| 9      | 7.863    | 7.838     | 8.037   | VV    | 561745      | 6632382   | 74.26%      | 2.530%     |
| 10     | 8.067    | 8.037     | 8.131   | PV    | 295104      | 3971726   | 44.47%      | 1.515%     |
| 11     | 8.158    | 8.131     | 8.408   | VB    | 641245      | 7487759   | 83.84%      | 2.856%     |
| 12     | 8.939    | 8.861     | 9.131   | BV    | 560094      | 6991047   | 78.28%      | 2.667%     |
| 13     | 9.372    | 9.281     | 9.518   | BB    | 608228      | 6798784   | 76.12%      | 2.593%     |
| 14     | 10.330   | 10.295    | 10.385  | PV    | 637790      | 7563749   | 84.69%      | 2.885%     |
| 15     | 10.407   | 10.385    | 10.701  | VB    | 545245      | 7654289   | 85.70%      | 2.920%     |
| 16     | 10.806   | 10.708    | 10.925  | BB    | 630150      | 7553518   | 84.58%      | 2.881%     |
| 17     | 11.099   | 10.991    | 11.248  | BB    | 632624      | 7623795   | 85.36%      | 2.908%     |
| 18     | 12.109   | 12.058    | 12.120  | M     | 608768      | 7267845   | 81.38%      | 2.772%     |
| 19     | 12.136   | 12.120    | 12.260  | M     | 607638      | 7856929   | 87.97%      | 2.997%     |
| 20     | 12.429   | 12.398    | 12.511  | VV    | 617054      | 7743240   | 86.70%      | 2.954%     |
| 21     | 12.545   | 12.511    | 12.675  | VV    | 504761      | 6531264   | 73.13%      | 2.491%     |
| 22     | 12.717   | 12.675    | 12.835  | VB    | 627056      | 7686465   | 86.06%      | 2.932%     |
| 23     | 13.299   | 13.188    | 13.418  | BB    | 597762      | 7666593   | 85.84%      | 2.925%     |
| 24     | 14.307   | 14.191    | 14.327  | BV    | 580393      | 7091715   | 79.40%      | 2.705%     |
| 25     | 14.347   | 14.327    | 14.370  | VV    | 467949      | 6239562   | 69.86%      | 2.380%     |
| 26     | 14.396   | 14.370    | 14.601  | VB    | 608668      | 8931143   | 100.00%     | 3.407%     |
| 27     | 15.414   | 15.185    | 15.450  | BBA   | 548415      | 7375328   | 82.58%      | 2.813%     |
| 28     | 15.860   | 15.816    | 15.876  | M     | 509412      | 6697029   | 74.99%      | 2.555%     |
| 29     | 15.893   | 15.877    | 16.023  | M     | 489856      | 7211269   | 80.74%      | 2.751%     |
| 30     | 16.237   | 16.138    | 16.321  | BV    | 364268      | 5755016   | 64.44%      | 2.195%     |
| 31     | 16.358   | 16.321    | 16.531  | VB    | 510627      | 7307705   | 81.82%      | 2.788%     |
| 32     | 17.243   | 17.041    | 17.298  | BB    | 443323      | 6486576   | 72.63%      | 2.474%     |
| 33     | 17.612   | 17.495    | 17.628  | BV    | 412560      | 5633077   | 63.07%      | 2.149%     |
| 34     | 17.644   | 17.628    | 17.821  | VV    | 389708      | 6444962   | 72.16%      | 2.459%     |
| 35     | 17.863   | 17.821    | 18.025  | VV    | 363253      | 6102068   | 68.32%      | 2.328%     |
| 36     | 18.069   | 18.025    | 18.185  | VB    | 408560      | 6170860   | 69.09%      | 2.354%     |



|    | Area   | Height | Area%  | Height% | Retention | Label   | Count  | Area   | Height | Area% | Height% |
|----|--------|--------|--------|---------|-----------|---------|--------|--------|--------|-------|---------|
| 37 | 18.849 | 18.801 | 18.955 | BB      | 359745    | 5370320 | 60.13% | 2.049% |        |       |         |
| 38 | 19.585 | 19.541 | 19.650 | BBA     | 336099    | 4960164 | 58.13% | 2.049% |        |       |         |
| 39 | 20.283 | 20.235 | 20.324 | M       | 311891    | 4665503 | 52.13% | 2.049% |        |       |         |
| 40 | 21.023 | 20.966 | 21.078 | M       | 226169    | 4510295 | 50.13% | 2.049% |        |       |         |

Sum of corrected areas: 2621

Instrument :

FID\_C

ClientSampleId :

PB144264BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Aliphatic EPH 042122.M Mon Apr 25 11:18:32 2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059377.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 4:16  
 Operator : UA/NP  
 Sample : PB144264BSD  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_C

## ClientSampleId :

PB144264BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 23 05:20:24 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 21 17:30:29 2022

Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.099 | 7313154    | 45.511 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 91.02%        |
| 12) S 1-chlorooctadecane (S... | 12.544 | 6263732    | 47.967 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 95.93%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.975  | 5189180    | 41.404 ug/ml  |
| 2) T n-Decane (C10)            | 4.009  | 5253163    | 42.048 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.551  | 6036460    | 49.210 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.000  | 5574416    | 42.273 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.598  | 6037710    | 47.840 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.783  | 5967014    | 44.114 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.372  | 6524799    | 46.459 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.807 | 7285926    | 49.877 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.109 | 7370801    | 49.148 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.716 | 7359377    | 48.382 ug/ml  |
| 13) T n-Docosane (C22)         | 13.299 | 7340425    | 47.907 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.397 | 8591937    | 55.488 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.414 | 7049789    | 45.742 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.358 | 7044516    | 45.506 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.243 | 6157945    | 40.543 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.069 | 5860391    | 41.592 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.849 | 5127593    | 40.570 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.585 | 4753570    | 43.460 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.281 | 4467879    | 47.974 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.021 | 4323287    | 51.759 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059377.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 4:16  
Operator : UA/NP  
Sample : PB144264BSD  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_C

## ClientSampleId :

PB144264BSD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 23 05:20:24 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

QLast Update : Thu Apr 21 17:30:29 2022

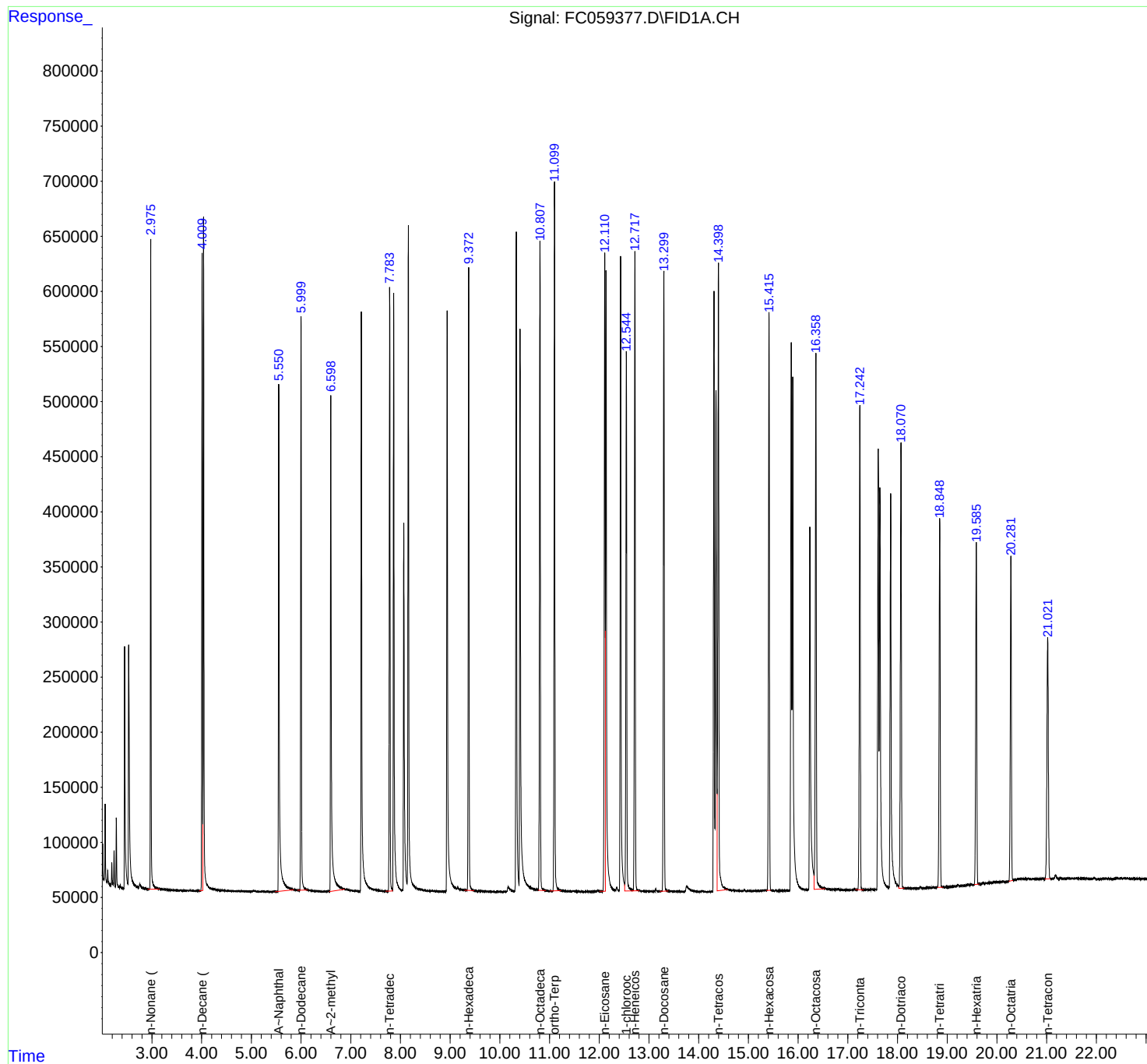
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID\_C

ClientSampleId :

PB144264BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC04222  
 Data File : FC059377.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 4:16  
 Sample : PB144264BSD  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.976       | 2.915        | 3.158      | BB       | 585061         | 5189180      | 60.40%         | 2.054%        |
| 2         | 4.009       | 3.948        | 4.023      | BV       | 572159         | 5253163      | 61.14%         | 2.080%        |
| 3         | 4.038       | 4.023        | 4.225      | VB       | 608324         | 6161046      | 71.71%         | 2.439%        |
| 4         | 5.551       | 5.478        | 5.858      | BB       | 456883         | 6036460      | 70.26%         | 2.390%        |
| 5         | 6.000       | 5.928        | 6.131      | BB       | 522871         | 5574416      | 64.88%         | 2.207%        |
| 6         | 6.598       | 6.571        | 6.878      | BB       | 447821         | 6037710      | 70.27%         | 2.390%        |
| 7         | 7.213       | 7.135        | 7.515      | BB       | 521730         | 6566750      | 76.43%         | 2.600%        |
| 8         | 7.783       | 7.701        | 7.837      | BV       | 547318         | 5967014      | 69.45%         | 2.362%        |
| 9         | 7.863       | 7.837        | 8.038      | VV       | 540379         | 6379994      | 74.26%         | 2.526%        |
| 10        | 8.067       | 8.038        | 8.130      | VV       | 327152         | 4124125      | 48.00%         | 1.633%        |
| 11        | 8.158       | 8.130        | 8.421      | VB       | 602486         | 7250826      | 84.39%         | 2.871%        |
| 12        | 8.939       | 8.865        | 9.135      | BV       | 523373         | 6714911      | 78.15%         | 2.658%        |
| 13        | 9.372       | 9.288        | 9.488      | BB       | 564592         | 6524799      | 75.94%         | 2.583%        |
| 14        | 10.330      | 10.281       | 10.385     | BV       | 604621         | 7249722      | 84.38%         | 2.870%        |
| 15        | 10.406      | 10.385       | 10.715     | VB       | 507678         | 7359514      | 85.66%         | 2.914%        |
| 16        | 10.807      | 10.767       | 10.925     | PB       | 596834         | 7285926      | 84.80%         | 2.885%        |
| 17        | 11.099      | 11.001       | 11.235     | BB       | 641704         | 7313154      | 85.12%         | 2.895%        |
| 18        | 12.109      | 12.008       | 12.123     | BV       | 581907         | 7370801      | 85.79%         | 2.918%        |
| 19        | 12.136      | 12.123       | 12.325     | VV       | 566330         | 7443957      | 86.64%         | 2.947%        |
| 20        | 12.429      | 12.398       | 12.510     | VV       | 567253         | 7397373      | 86.10%         | 2.929%        |
| 21        | 12.544      | 12.510       | 12.675     | VV       | 489584         | 6263732      | 72.90%         | 2.480%        |
| 22        | 12.716      | 12.675       | 12.808     | VB       | 584912         | 7359377      | 85.65%         | 2.914%        |
| 23        | 13.299      | 13.218       | 13.391     | BB       | 562062         | 7340425      | 85.43%         | 2.906%        |
| 24        | 14.308      | 14.185       | 14.327     | BV       | 545216         | 6751610      | 78.58%         | 2.673%        |
| 25        | 14.348      | 14.327       | 14.370     | VV       | 452214         | 5958461      | 69.35%         | 2.359%        |
| 26        | 14.397      | 14.370       | 14.588     | VB       | 572867         | 8591937      | 100.00%        | 3.402%        |
| 27        | 15.414      | 15.361       | 15.450     | BBA      | 522368         | 7049789      | 82.05%         | 2.791%        |
| 28        | 15.862      | 15.768       | 15.876     | BV       | 492197         | 6301657      | 73.34%         | 2.495%        |
| 29        | 15.892      | 15.876       | 16.118     | VB       | 464419         | 7137193      | 83.07%         | 2.826%        |
| 30        | 16.237      | 16.165       | 16.320     | BV       | 327624         | 5494393      | 63.95%         | 2.175%        |
| 31        | 16.358      | 16.320       | 16.545     | VB       | 485996         | 7044516      | 81.99%         | 2.789%        |
| 32        | 17.243      | 17.151       | 17.315     | BB       | 438058         | 6157945      | 71.67%         | 2.438%        |
| 33        | 17.612      | 17.531       | 17.628     | BV       | 399629         | 5347786      | 62.24%         | 2.117%        |
| 34        | 17.646      | 17.628       | 17.827     | VV       | 361995         | 6209851      | 72.28%         | 2.459%        |
| 35        | 17.862      | 17.827       | 18.024     | VV       | 355022         | 5819748      | 67.73%         | 2.304%        |
| 36        | 18.069      | 18.024       | 18.141     | VB       | 396005         | 5860391      | 68.21%         | 2.320%        |

|    | Area   | Height | Width  | Retention | Area%  | Height% | Width% |
|----|--------|--------|--------|-----------|--------|---------|--------|
| 37 | 18.849 | 18.801 | 18.911 | BB        | 332266 | 5127593 | 59.68% |
| 38 | 19.585 | 19.541 | 19.650 | BBA       | 310068 | 4753570 | 58.68% |
| 39 | 20.281 | 20.231 | 20.321 | M         | 295185 | 4477816 | 52.03% |
| 40 | 21.021 | 20.958 | 21.075 | M         | 219344 | 4336181 | 50.29% |

Sum of corrected areas: 2525

Aliphatic EPH 042122.M Mon Apr 25 11:19:25 2022

Instrument :

FID\_C

ClientSampleId :

PB144264BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059381.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 6:46  
 Operator : UA/NP  
 Sample : N2487-02MS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

## Instrument :

FID\_C

ClientSampleId :

UST-1-NMS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 23 07:08:55 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 21 17:30:29 2022

Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.098 | 5775074    | 35.939 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 71.88%        |
| 12) S 1-chlorooctadecane (S... | 12.542 | 4740758    | 36.304 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 72.61%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.966  | 3919864    | 31.276 ug/ml  |
| 2) T n-Decane (C10)            | 4.004  | 4552947    | 36.443 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.550  | 5330812    | 43.457 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.999  | 5513415    | 41.810 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.598  | 5951938    | 47.161 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.783  | 6123860    | 45.273 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.372  | 6531101    | 46.503 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.806 | 7121578    | 48.752 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.108 | 7132975    | 47.562 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.716 | 7127782    | 46.859 ug/ml  |
| 13) T n-Docosane (C22)         | 13.299 | 7159772    | 46.728 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.397 | 8466954    | 54.681 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.415 | 6936835    | 45.010 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.357 | 6923498    | 44.724 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.243 | 6123618    | 40.317 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.070 | 5848770    | 41.510 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.849 | 5147293    | 40.726 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.585 | 4792061    | 43.812 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.282 | 4592811    | 49.315 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.024 | 4488864    | 53.741 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059381.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 6:46  
Operator : UA/NP  
Sample : N2487-02MS  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

## Instrument :

FID\_C

## ClientSampleId :

UST-1-NMS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 23 07:08:55 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

QLast Update : Thu Apr 21 17:30:29 2022

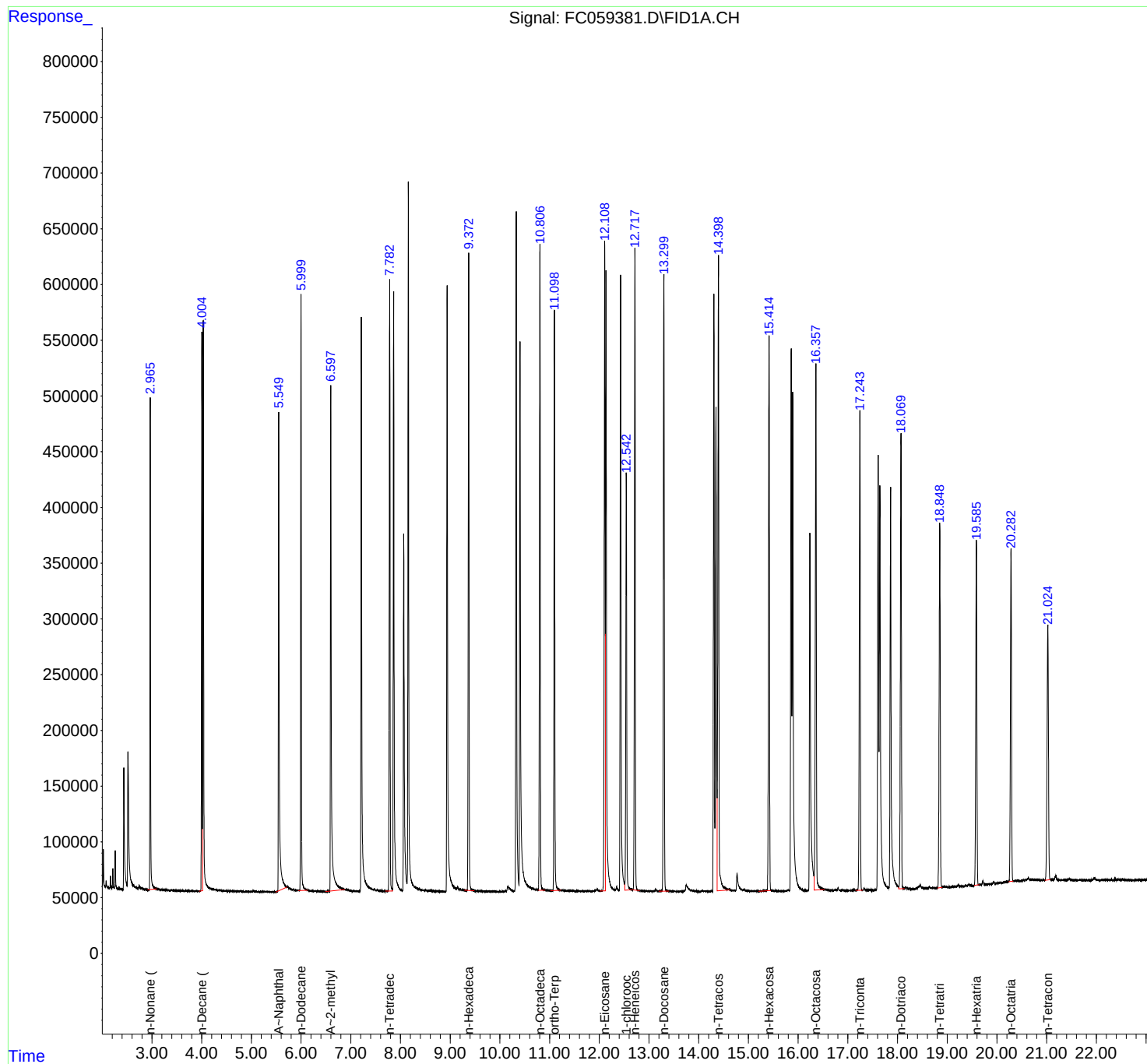
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_C

ClientSampleId :

UST-1-NMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC04222

Data File : FC059381.D

Signal(s) : FID1A.CH

Acq On : 23 Apr 2022 6:46

Sample : N2487-02MS

Misc :

ALS Vial : 30 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.966       | 2.905        | 3.178      | BV       | 437650         | 4016536      | 46.32%         | 1.543%        |
| 2         | 3.187       | 3.178        | 3.364      | VV       | 522            | 32000        | 0.37%          | 0.012%        |
| 3         | 3.387       | 3.364        | 3.398      | VV       | 213            | 2600         | 0.03%          | 0.001%        |
| 4         | 3.408       | 3.398        | 3.517      | VV       | 209            | 10701        | 0.12%          | 0.004%        |
| 5         | 3.530       | 3.517        | 3.542      | PV       | 168            | 2015         | 0.02%          | 0.001%        |
| 6         | 3.550       | 3.542        | 3.585      | VV       | 229            | 4007         | 0.05%          | 0.002%        |
| 7         | 3.608       | 3.585        | 3.629      | VV       | 331            | 4770         | 0.06%          | 0.002%        |
| 8         | 3.637       | 3.629        | 3.648      | VV       | 112            | 710          | 0.01%          | 0.000%        |
| 9         | 3.684       | 3.648        | 3.723      | VV       | 194            | 3675         | 0.04%          | 0.001%        |
| 10        | 3.744       | 3.723        | 3.756      | VV       | 223            | 2307         | 0.03%          | 0.001%        |
| 11        | 3.779       | 3.756        | 3.825      | VV       | 247            | 5984         | 0.07%          | 0.002%        |
| 12        | 3.831       | 3.825        | 3.892      | VV       | 198            | 5130         | 0.06%          | 0.002%        |
| 13        | 3.903       | 3.892        | 3.972      | PV       | 196            | 2874         | 0.03%          | 0.001%        |
| 14        | 4.004       | 3.972        | 4.018      | PV       | 502382         | 4564260      | 52.64%         | 1.753%        |
| 15        | 4.033       | 4.018        | 4.268      | VV       | 510770         | 5492654      | 63.34%         | 2.110%        |
| 16        | 4.275       | 4.268        | 4.364      | VV       | 1648           | 70155        | 0.81%          | 0.0027%       |
| 17        | 4.374       | 4.364        | 4.415      | VV       | 1063           | 26536        | 0.31%          | 0.010%        |
| 18        | 4.421       | 4.415        | 4.430      | VV       | 704            | 6054         | 0.07%          | 0.002%        |
| 19        | 4.440       | 4.430        | 4.473      | VV       | 690            | 16148        | 0.19%          | 0.006%        |
| 20        | 4.482       | 4.473        | 4.510      | VV       | 633            | 12655        | 0.15%          | 0.005%        |
| 21        | 4.518       | 4.510        | 4.528      | VV       | 563            | 5638         | 0.07%          | 0.002%        |
| 22        | 4.541       | 4.528        | 4.551      | VV       | 618            | 7632         | 0.09%          | 0.003%        |
| 23        | 4.564       | 4.551        | 4.584      | VV       | 622            | 10879        | 0.13%          | 0.004%        |
| 24        | 4.595       | 4.584        | 4.612      | VV       | 541            | 8131         | 0.09%          | 0.003%        |
| 25        | 4.621       | 4.612        | 4.656      | VV       | 468            | 11184        | 0.13%          | 0.004%        |
| 26        | 4.670       | 4.656        | 4.704      | VV       | 515            | 11059        | 0.13%          | 0.004%        |
| 27        | 4.714       | 4.704        | 4.745      | VV       | 425            | 7978         | 0.09%          | 0.003%        |
| 28        | 4.761       | 4.745        | 4.792      | VV       | 412            | 8922         | 0.10%          | 0.003%        |
| 29        | 4.794       | 4.792        | 4.820      | VV       | 352            | 4173         | 0.05%          | 0.002%        |
| 30        | 4.833       | 4.820        | 4.889      | VV       | 264            | 9035         | 0.10%          | 0.003%        |
| 31        | 4.898       | 4.889        | 4.912      | VV       | 236            | 2782         | 0.03%          | 0.001%        |
| 32        | 4.917       | 4.912        | 4.936      | VV       | 282            | 3223         | 0.04%          | 0.001%        |
| 33        | 4.978       | 4.936        | 5.013      | VV       | 319            | 10878        | 0.13%          | 0.004%        |
| 34        | 5.032       | 5.013        | 5.082      | VV       | 821            | 20130        | 0.23%          | 0.008%        |
| 35        | 5.089       | 5.082        | 5.118      | VV       | 480            | 6312         | 0.07%          | 0.002%        |
| 36        | 5.134       | 5.118        | 5.148      | VV       | 213            | 2592         | 0.03%          | 0.001%        |



| Instrument : FID_C                       |        |        |        |    |        |         |        |         |   |
|------------------------------------------|--------|--------|--------|----|--------|---------|--------|---------|---|
| ClientSampleId : UST-1-NMS               |        |        |        |    |        |         |        |         |   |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |         |        |         |   |
| Reviewed By :Yogesh Patel 04/25/2022     |        |        |        |    |        |         |        |         |   |
| Supervised By :mohammad ahmed 04/25/2022 |        |        |        |    |        |         |        |         |   |
|                                          |        |        |        | rt | Area   | Height  | Area%  | Height% |   |
| 37                                       | 5.174  | 5.148  | 5.232  | VV | 196    | 7684    | 0.09%  | 0.003%  | A |
| 38                                       | 5.237  | 5.232  | 5.262  | VV | 157    | 3075    | 0.01%  | 0.001%  | B |
| 39                                       | 5.312  | 5.262  | 5.327  | VV | 324    | 9521    | 0.04%  | 0.002%  | C |
| 40                                       | 5.337  | 5.327  | 5.362  | VV | 249    | 2056    | 0.03%  | 0.001%  | D |
| 41                                       | 5.370  | 5.362  | 5.404  | VV | 198    | 1569    | 0.02%  | 0.001%  | E |
| 42                                       | 5.470  | 5.404  | 5.486  | PV | 243    | 6374    | 0.03%  | 0.001%  | F |
| 43                                       | 5.495  | 5.486  | 5.512  | VV | 144    | 1624    | 0.02%  | 0.001%  | G |
| 44                                       | 5.550  | 5.512  | 5.715  | VV | 429765 | 5624298 | 64.86% | 2.160%  | H |
| 45                                       | 5.732  | 5.715  | 5.889  | VV | 5240   | 288870  | 3.33%  | 0.111%  | I |
| 46                                       | 5.902  | 5.889  | 5.965  | VV | 1596   | 63089   | 0.73%  | 0.024%  | J |
| 47                                       | 5.999  | 5.965  | 6.133  | VV | 533365 | 5659299 | 65.26% | 2.174%  |   |
| 48                                       | 6.145  | 6.133  | 6.271  | VV | 1717   | 87683   | 1.01%  | 0.034%  |   |
| 49                                       | 6.280  | 6.271  | 6.345  | VV | 743    | 28764   | 0.33%  | 0.011%  |   |
| 50                                       | 6.349  | 6.345  | 6.362  | VV | 645    | 5619    | 0.06%  | 0.002%  |   |
| 51                                       | 6.384  | 6.362  | 6.429  | VV | 633    | 20491   | 0.24%  | 0.008%  |   |
| 52                                       | 6.446  | 6.429  | 6.463  | VV | 465    | 7073    | 0.08%  | 0.003%  |   |
| 53                                       | 6.479  | 6.463  | 6.493  | VV | 372    | 5510    | 0.06%  | 0.002%  |   |
| 54                                       | 6.541  | 6.493  | 6.572  | VV | 1053   | 28835   | 0.33%  | 0.011%  |   |
| 55                                       | 6.598  | 6.572  | 6.903  | VV | 452653 | 6252472 | 72.10% | 2.402%  |   |
| 56                                       | 6.921  | 6.903  | 6.998  | VV | 2448   | 94756   | 1.09%  | 0.036%  |   |
| 57                                       | 7.007  | 6.998  | 7.108  | VV | 1135   | 55058   | 0.63%  | 0.021%  |   |
| 58                                       | 7.116  | 7.108  | 7.138  | VV | 617    | 11371   | 0.13%  | 0.004%  |   |
| 59                                       | 7.145  | 7.138  | 7.165  | VV | 748    | 10877   | 0.13%  | 0.004%  |   |
| 60                                       | 7.212  | 7.165  | 7.462  | VV | 516585 | 6640397 | 76.58% | 2.551%  |   |
| 61                                       | 7.478  | 7.462  | 7.513  | VV | 2317   | 60187   | 0.69%  | 0.023%  |   |
| 62                                       | 7.534  | 7.513  | 7.651  | VV | 1996   | 95225   | 1.10%  | 0.037%  |   |
| 63                                       | 7.661  | 7.651  | 7.708  | VV | 825    | 24450   | 0.28%  | 0.009%  |   |
| 64                                       | 7.715  | 7.708  | 7.744  | VV | 840    | 15033   | 0.17%  | 0.006%  |   |
| 65                                       | 7.783  | 7.744  | 7.838  | VV | 547616 | 6173050 | 71.19% | 2.371%  |   |
| 66                                       | 7.863  | 7.838  | 8.041  | VV | 534739 | 6573587 | 75.81% | 2.525%  |   |
| 67                                       | 8.066  | 8.041  | 8.132  | VV | 320995 | 4135972 | 47.70% | 1.589%  |   |
| 68                                       | 8.157  | 8.132  | 8.570  | VV | 636654 | 7707621 | 88.89% | 2.961%  |   |
| 69                                       | 8.603  | 8.570  | 8.822  | VV | 1481   | 102910  | 1.19%  | 0.040%  |   |
| 70                                       | 8.832  | 8.822  | 8.883  | VV | 312    | 8043    | 0.09%  | 0.003%  |   |
| 71                                       | 8.893  | 8.883  | 8.904  | VV | 191    | 1833    | 0.02%  | 0.001%  |   |
| 72                                       | 8.938  | 8.904  | 9.131  | VV | 544160 | 6991297 | 80.62% | 2.686%  |   |
| 73                                       | 9.152  | 9.131  | 9.178  | VV | 4097   | 87253   | 1.01%  | 0.034%  |   |
| 74                                       | 9.192  | 9.178  | 9.290  | VV | 2384   | 123375  | 1.42%  | 0.047%  |   |
| 75                                       | 9.306  | 9.290  | 9.338  | VV | 1482   | 38141   | 0.44%  | 0.015%  |   |
| 76                                       | 9.372  | 9.338  | 9.549  | VV | 569858 | 6671342 | 76.93% | 2.563%  |   |
| 77                                       | 9.557  | 9.549  | 9.569  | VV | 829    | 8723    | 0.10%  | 0.003%  |   |
| 78                                       | 9.579  | 9.569  | 9.654  | VV | 695    | 28449   | 0.33%  | 0.011%  |   |
| 79                                       | 9.671  | 9.654  | 9.698  | VV | 551    | 11580   | 0.13%  | 0.004%  |   |
| 80                                       | 9.724  | 9.698  | 9.801  | VV | 547    | 23363   | 0.27%  | 0.009%  |   |
| 81                                       | 9.841  | 9.801  | 9.855  | VV | 412    | 10139   | 0.12%  | 0.004%  |   |
| 82                                       | 9.864  | 9.855  | 9.918  | VV | 430    | 10458   | 0.12%  | 0.004%  |   |
| 83                                       | 9.932  | 9.918  | 9.952  | VV | 312    | 4880    | 0.06%  | 0.002%  |   |
| 84                                       | 9.956  | 9.952  | 9.982  | VV | 313    | 4494    | 0.05%  | 0.002%  |   |
| 85                                       | 9.996  | 9.982  | 10.022 | VV | 282    | 5485    | 0.06%  | 0.002%  |   |
| 86                                       | 10.034 | 10.022 | 10.061 | VV | 256    | 4210    | 0.05%  | 0.002%  |   |
| 87                                       | 10.112 | 10.061 | 10.130 | VV | 704    | 17366   | 0.20%  | 0.007%  |   |
| 88                                       | 10.160 | 10.130 | 10.295 | VV | 4498   | 187911  | 2.17%  | 0.072%  |   |
| 89                                       | 10.329 | 10.295 | 10.385 | VV | 603362 | 7199551 | 83.03% | 2.766%  |   |

|                            |        |        |        |    |        |         |         |        |  |
|----------------------------|--------|--------|--------|----|--------|---------|---------|--------|--|
| Instrument : FID_C         |        |        |        |    |        |         |         |        |  |
| ClientSampleId : UST-1-NMS |        |        |        |    |        |         |         |        |  |
| 90                         | 10.405 | 10.385 | 10.722 | VV | 490940 | 7518045 | 86.70%  | 2.888% |  |
| 91                         | 10.746 | 10.722 | 10.772 | VV | 2163   | 54579   |         |        |  |
| 92                         | 10.806 | 10.772 | 10.922 | VV | 579667 | 7249814 | 83.60%  | 2.751% |  |
| 93                         | 10.927 | 10.922 | 11.006 | VV | 1493   | 59094   |         |        |  |
| 94                         | 11.017 | 11.006 | 11.062 | VV | 974    | 29585   |         |        |  |
| 95                         | 11.098 | 11.062 | 11.243 | VV | 522534 | 5909596 | 68.33%  | 2.276% |  |
| 96                         | 11.261 | 11.243 | 11.298 | VV | 1451   | 39399   | 0.45%   | 0.015% |  |
| 97                         | 11.305 | 11.298 | 11.319 | VV | 1013   | 12003   | 0.14%   | 0.005% |  |
| 98                         | 11.358 | 11.319 | 11.395 | VV | 1073   | 43262   | 0.50%   | 0.017% |  |
| 99                         | 11.422 | 11.395 | 11.444 | VV | 987    | 26890   | 0.31%   | 0.010% |  |
| 100                        | 11.471 | 11.444 | 11.513 | VV | 1093   | 30860   | 0.36%   | 0.012% |  |
| 101                        | 11.523 | 11.513 | 11.527 | VV | 588    | 4557    | 0.05%   | 0.002% |  |
| 102                        | 11.556 | 11.527 | 11.628 | VV | 758    | 31229   | 0.36%   | 0.012% |  |
| 103                        | 11.655 | 11.628 | 11.668 | VV | 559    | 11006   | 0.13%   | 0.004% |  |
| 104                        | 11.685 | 11.668 | 11.702 | VV | 486    | 8935    | 0.10%   | 0.003% |  |
| 105                        | 11.719 | 11.702 | 11.732 | VV | 558    | 8747    | 0.10%   | 0.003% |  |
| 106                        | 11.755 | 11.732 | 11.790 | VV | 624    | 18164   | 0.21%   | 0.007% |  |
| 107                        | 11.809 | 11.790 | 11.822 | VV | 471    | 8038    | 0.09%   | 0.003% |  |
| 108                        | 11.839 | 11.822 | 11.858 | VV | 523    | 9324    | 0.11%   | 0.004% |  |
| 109                        | 11.884 | 11.858 | 11.902 | VV | 700    | 15830   | 0.18%   | 0.006% |  |
| 110                        | 11.954 | 11.902 | 12.032 | VV | 2175   | 92660   | 1.07%   | 0.036% |  |
| 111                        | 12.041 | 12.032 | 12.058 | VV | 784    | 10833   | 0.12%   | 0.004% |  |
| 112                        | 12.108 | 12.058 | 12.121 | VV | 584772 | 7162890 | 82.60%  | 2.751% |  |
| 113                        | 12.135 | 12.121 | 12.325 | VV | 557956 | 7440207 | 85.80%  | 2.858% |  |
| 114                        | 12.348 | 12.325 | 12.393 | VV | 4119   | 95228   | 1.10%   | 0.037% |  |
| 115                        | 12.428 | 12.393 | 12.512 | VV | 553540 | 7332666 | 84.56%  | 2.817% |  |
| 116                        | 12.542 | 12.512 | 12.651 | VV | 375728 | 4870081 | 56.16%  | 1.871% |  |
| 117                        | 12.662 | 12.651 | 12.675 | VV | 1875   | 25862   | 0.30%   | 0.010% |  |
| 118                        | 12.716 | 12.675 | 12.915 | VV | 570133 | 7277644 | 83.93%  | 2.796% |  |
| 119                        | 12.932 | 12.915 | 12.997 | VV | 575    | 23918   | 0.28%   | 0.009% |  |
| 120                        | 13.016 | 12.997 | 13.036 | VV | 494    | 9324    | 0.11%   | 0.004% |  |
| 121                        | 13.050 | 13.036 | 13.067 | VV | 321    | 5484    | 0.06%   | 0.002% |  |
| 122                        | 13.138 | 13.067 | 13.192 | VV | 2165   | 56474   | 0.65%   | 0.022% |  |
| 123                        | 13.212 | 13.192 | 13.229 | VV | 580    | 10513   | 0.12%   | 0.004% |  |
| 124                        | 13.299 | 13.229 | 13.438 | VV | 550088 | 7217925 | 83.24%  | 2.773% |  |
| 125                        | 13.445 | 13.438 | 13.522 | VV | 495    | 14523   | 0.17%   | 0.006% |  |
| 126                        | 13.529 | 13.522 | 13.547 | VV | 219    | 2000    | 0.02%   | 0.001% |  |
| 127                        | 13.566 | 13.547 | 13.587 | VV | 189    | 2654    | 0.03%   | 0.001% |  |
| 128                        | 13.619 | 13.587 | 13.661 | VV | 270    | 6142    | 0.07%   | 0.002% |  |
| 129                        | 13.750 | 13.661 | 13.942 | VV | 5527   | 267574  | 3.09%   | 0.103% |  |
| 130                        | 13.953 | 13.942 | 14.010 | VV | 431    | 10167   | 0.12%   | 0.004% |  |
| 131                        | 14.068 | 14.010 | 14.185 | VV | 625    | 30361   | 0.35%   | 0.012% |  |
| 132                        | 14.196 | 14.185 | 14.215 | PV | 202    | 2200    | 0.03%   | 0.001% |  |
| 133                        | 14.251 | 14.215 | 14.273 | VV | 482    | 9181    | 0.11%   | 0.004% |  |
| 134                        | 14.306 | 14.273 | 14.326 | VV | 531689 | 6670736 | 76.93%  | 2.562% |  |
| 135                        | 14.347 | 14.326 | 14.369 | VV | 435047 | 5925167 | 68.33%  | 2.276% |  |
| 136                        | 14.397 | 14.369 | 14.673 | VV | 571480 | 8671414 | 100.00% | 3.331% |  |
| 137                        | 14.682 | 14.673 | 14.737 | VV | 1200   | 37805   | 0.44%   | 0.015% |  |
| 138                        | 14.772 | 14.737 | 14.890 | VV | 15891  | 427358  | 4.93%   | 0.164% |  |
| 139                        | 14.912 | 14.890 | 14.982 | VV | 1907   | 57835   | 0.67%   | 0.022% |  |
| 140                        | 14.998 | 14.982 | 15.015 | VV | 735    | 11271   | 0.13%   | 0.004% |  |
| 141                        | 15.030 | 15.015 | 15.055 | VV | 444    | 8603    | 0.10%   | 0.003% |  |

|                                          |        |        |        |    |        |         |        |        |  |
|------------------------------------------|--------|--------|--------|----|--------|---------|--------|--------|--|
| Instrument : FID_C                       |        |        |        |    |        |         |        |        |  |
| ClientSampleId : UST-1-NMS               |        |        |        |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/25/2022     |        |        |        |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 04/25/2022 |        |        |        |    |        |         |        |        |  |
|                                          | rteres |        |        |    |        |         |        |        |  |
| 142                                      | 15.065 | 15.055 | 15.075 | VV | 375    | 4161    | 0.05%  | 0.002% |  |
| 143                                      | 15.091 | 15.075 | 15.152 | VV | 419    | 12804   |        |        |  |
| 144                                      | 15.165 | 15.152 | 15.219 | VV | 256    | 6328    |        |        |  |
| 145                                      | 15.238 | 15.219 | 15.257 | PV | 214    | 2755    |        |        |  |
| 146                                      | 15.283 | 15.257 | 15.295 | VV | 721    | 10118   |        |        |  |
| 147                                      | 15.302 | 15.295 | 15.328 | VV | 789    | 13364   |        |        |  |
| 148                                      | 15.415 | 15.328 | 15.524 | VV | 498535 | 6996035 | 80.68% | 2.687% |  |
| 149                                      | 15.553 | 15.524 | 15.585 | VV | 872    | 15798   | 0.18%  | 0.006% |  |
| 150                                      | 15.594 | 15.585 | 15.623 | VV | 233    | 2684    | 0.03%  | 0.001% |  |
| 151                                      | 15.646 | 15.623 | 15.662 | VV | 233    | 3474    | 0.04%  | 0.001% |  |
| 152                                      | 15.679 | 15.662 | 15.707 | VV | 223    | 3571    | 0.04%  | 0.001% |  |
| 153                                      | 15.723 | 15.707 | 15.735 | VV | 165    | 1573    | 0.02%  | 0.001% |  |
| 154                                      | 15.747 | 15.735 | 15.761 | VV | 193    | 1589    | 0.02%  | 0.001% |  |
| 155                                      | 15.792 | 15.761 | 15.825 | PV | 976    | 24466   | 0.28%  | 0.009% |  |
| 156                                      | 15.860 | 15.825 | 15.875 | VV | 492893 | 6242478 | 71.99% | 2.398% |  |
| 157                                      | 15.890 | 15.875 | 16.165 | VV | 447053 | 7153216 | 82.49% | 2.748% |  |
| 158                                      | 16.236 | 16.165 | 16.322 | VV | 319502 | 5502313 | 63.45% | 2.114% |  |
| 159                                      | 16.357 | 16.322 | 16.640 | VV | 474993 | 7114966 | 82.05% | 2.733% |  |
| 160                                      | 16.651 | 16.640 | 16.695 | VV | 673    | 15800   | 0.18%  | 0.006% |  |
| 161                                      | 16.765 | 16.695 | 16.773 | VV | 557    | 21491   | 0.25%  | 0.008% |  |
| 162                                      | 16.802 | 16.773 | 16.862 | VV | 2673   | 52796   | 0.61%  | 0.020% |  |
| 163                                      | 16.889 | 16.862 | 16.962 | VV | 508    | 16940   | 0.20%  | 0.007% |  |
| 164                                      | 16.970 | 16.962 | 16.988 | VV | 200    | 1952    | 0.02%  | 0.001% |  |
| 165                                      | 16.996 | 16.988 | 17.062 | VV | 180    | 4965    | 0.06%  | 0.002% |  |
| 166                                      | 17.128 | 17.062 | 17.169 | PV | 793    | 21431   | 0.25%  | 0.008% |  |
| 167                                      | 17.243 | 17.169 | 17.305 | VV | 428344 | 6146919 | 70.89% | 2.361% |  |
| 168                                      | 17.325 | 17.305 | 17.390 | VV | 1970   | 39075   | 0.45%  | 0.015% |  |
| 169                                      | 17.412 | 17.390 | 17.425 | VV | 372    | 6170    | 0.07%  | 0.002% |  |
| 170                                      | 17.446 | 17.425 | 17.500 | VV | 485    | 14810   | 0.17%  | 0.006% |  |
| 171                                      | 17.512 | 17.500 | 17.533 | VV | 402    | 6232    | 0.07%  | 0.002% |  |
| 172                                      | 17.611 | 17.533 | 17.627 | VV | 392987 | 5391794 | 62.18% | 2.071% |  |
| 173                                      | 17.645 | 17.627 | 17.822 | VV | 360231 | 6252028 | 72.10% | 2.402% |  |
| 174                                      | 17.861 | 17.822 | 18.023 | VV | 363573 | 5817646 | 67.09% | 2.235% |  |
| 175                                      | 18.070 | 18.023 | 18.136 | VV | 403957 | 5934902 | 68.44% | 2.280% |  |
| 176                                      | 18.165 | 18.136 | 18.212 | VV | 2674   | 81813   | 0.94%  | 0.031% |  |
| 177                                      | 18.226 | 18.212 | 18.285 | VV | 1221   | 46680   | 0.54%  | 0.018% |  |
| 178                                      | 18.294 | 18.285 | 18.348 | VV | 1005   | 34467   | 0.40%  | 0.013% |  |
| 179                                      | 18.458 | 18.348 | 18.544 | VV | 4166   | 249598  | 2.88%  | 0.096% |  |
| 180                                      | 18.567 | 18.544 | 18.598 | VV | 1587   | 47410   | 0.55%  | 0.018% |  |
| 181                                      | 18.642 | 18.598 | 18.687 | VV | 2573   | 92961   | 1.07%  | 0.036% |  |
| 182                                      | 18.727 | 18.687 | 18.768 | VV | 1680   | 74383   | 0.86%  | 0.029% |  |
| 183                                      | 18.849 | 18.768 | 18.904 | VV | 328283 | 5289752 | 61.00% | 2.032% |  |
| 184                                      | 18.954 | 18.904 | 19.024 | VV | 2687   | 169230  | 1.95%  | 0.065% |  |
| 185                                      | 19.036 | 19.024 | 19.067 | VV | 2183   | 55311   | 0.64%  | 0.021% |  |
| 186                                      | 19.095 | 19.067 | 19.118 | VV | 2484   | 72634   | 0.84%  | 0.028% |  |
| 187                                      | 19.148 | 19.118 | 19.172 | VV | 2917   | 85326   | 0.98%  | 0.033% |  |
| 188                                      | 19.219 | 19.172 | 19.278 | VV | 4280   | 193745  | 2.23%  | 0.074% |  |
| 189                                      | 19.283 | 19.278 | 19.298 | VV | 2769   | 32339   | 0.37%  | 0.012% |  |
| 190                                      | 19.371 | 19.298 | 19.398 | VV | 3499   | 181616  | 2.09%  | 0.070% |  |
| 191                                      | 19.436 | 19.398 | 19.464 | VV | 4524   | 150907  | 1.74%  | 0.058% |  |
| 192                                      | 19.482 | 19.464 | 19.528 | VV | 3695   | 135091  | 1.56%  | 0.052% |  |
| 193                                      | 19.585 | 19.528 | 19.630 | VV | 312256 | 5020228 | 57.89% | 1.928% |  |
| 194                                      | 19.648 | 19.630 | 19.668 | VV | 4189   | 91931   | 1.06%  | 0.035% |  |

|     |        |        |        |     |        |         |        |        |
|-----|--------|--------|--------|-----|--------|---------|--------|--------|
| 195 | 19.716 | 19.668 | 19.768 | VV  | 7512   | 303368  | 3.50%  | 0.117% |
| 196 | 19.777 | 19.768 | 19.803 | VV  | 4251   | 88258   |        |        |
| 197 | 19.862 | 19.803 | 19.892 | VV  | 4633   | 233964  |        |        |
| 198 | 19.935 | 19.892 | 19.965 | VV  | 6443   | 232929  |        |        |
| 199 | 20.078 | 19.965 | 20.100 | VV  | 5739   | 437165  |        |        |
| 200 | 20.215 | 20.100 | 20.225 | VV  | 6580   | 458951  |        |        |
| 201 | 20.283 | 20.225 | 20.353 | VV  | 304680 | 5119923 | 59.04% | 1.967% |
| 202 | 20.366 | 20.353 | 20.378 | VV  | 7201   | 105472  | 1.22%  | 0.041% |
| 203 | 20.403 | 20.378 | 20.455 | VV  | 7378   | 328161  | 3.78%  | 0.126% |
| 204 | 20.566 | 20.455 | 20.580 | VV  | 7995   | 555918  | 6.41%  | 0.214% |
| 205 | 20.628 | 20.580 | 20.674 | VV  | 9480   | 477682  | 5.51%  | 0.183% |
| 206 | 20.691 | 20.674 | 20.778 | VV  | 8147   | 501028  | 5.78%  | 0.192% |
| 207 | 20.808 | 20.778 | 20.852 | VV  | 7944   | 344807  | 3.98%  | 0.132% |
| 208 | 20.920 | 20.852 | 20.957 | VV  | 7715   | 481749  | 5.56%  | 0.185% |
| 209 | 21.024 | 20.957 | 21.085 | VV  | 236414 | 5082386 | 58.61% | 1.952% |
| 210 | 21.091 | 21.085 | 21.102 | VBA | 8167   | 89815   | 1.04%  | 0.034% |

Sum of corrected areas: 260333910

Aliphatic EPH 042122.M Mon Apr 25 11:33:57 2022

Instrument :  
FID\_C  
ClientSampleId :  
UST-1-NMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2022  
Supervised By :mohammad ahmed 04/25/2022

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
 Data File : FC059382.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 7:24  
 Operator : UA/NP  
 Sample : N2487-02MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

## Instrument :

FID\_C

ClientSampleId :

UST-1-NMSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 25 01:31:27 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 21 17:30:29 2022

Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.098 | 6109433    | 38.020 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 76.04%        |
| 12) S 1-chlorooctadecane (S... | 12.542 | 5077122    | 38.880 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 77.76%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.966  | 4154348    | 33.147 ug/ml  |
| 2) T n-Decane (C10)            | 4.005  | 4835381    | 38.704 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.550  | 5672736    | 46.245 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.000  | 5855877    | 44.407 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.598  | 6379710    | 50.550 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.784  | 6480789    | 47.912 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.373  | 6920450    | 49.276 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.806 | 7529138    | 51.542 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.108 | 7556545    | 50.387 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.717 | 7558091    | 49.688 ug/ml  |
| 13) T n-Docosane (C22)         | 13.300 | 7567987    | 49.392 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.397 | 8822175    | 56.975 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.414 | 7313410    | 47.453 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.357 | 7304583    | 47.186 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.242 | 6446388    | 42.442 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.069 | 6125910    | 43.477 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.849 | 5385313    | 42.610 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.586 | 5017808    | 45.876 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.282 | 4801839    | 51.560 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.025 | 4718580    | 56.491 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC042222AL\  
Data File : FC059382.D  
Signal(s) : FID1A.CH  
Acq On : 23 Apr 2022 7:24  
Operator : UA/NP  
Sample : N2487-02MSD  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

## Instrument :

FID\_C

## ClientSampleId :

UST-1-NMSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Quant Time: Apr 25 01:31:27 2022

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M

Quant Title : GC Extractables

QLast Update : Thu Apr 21 17:30:29 2022

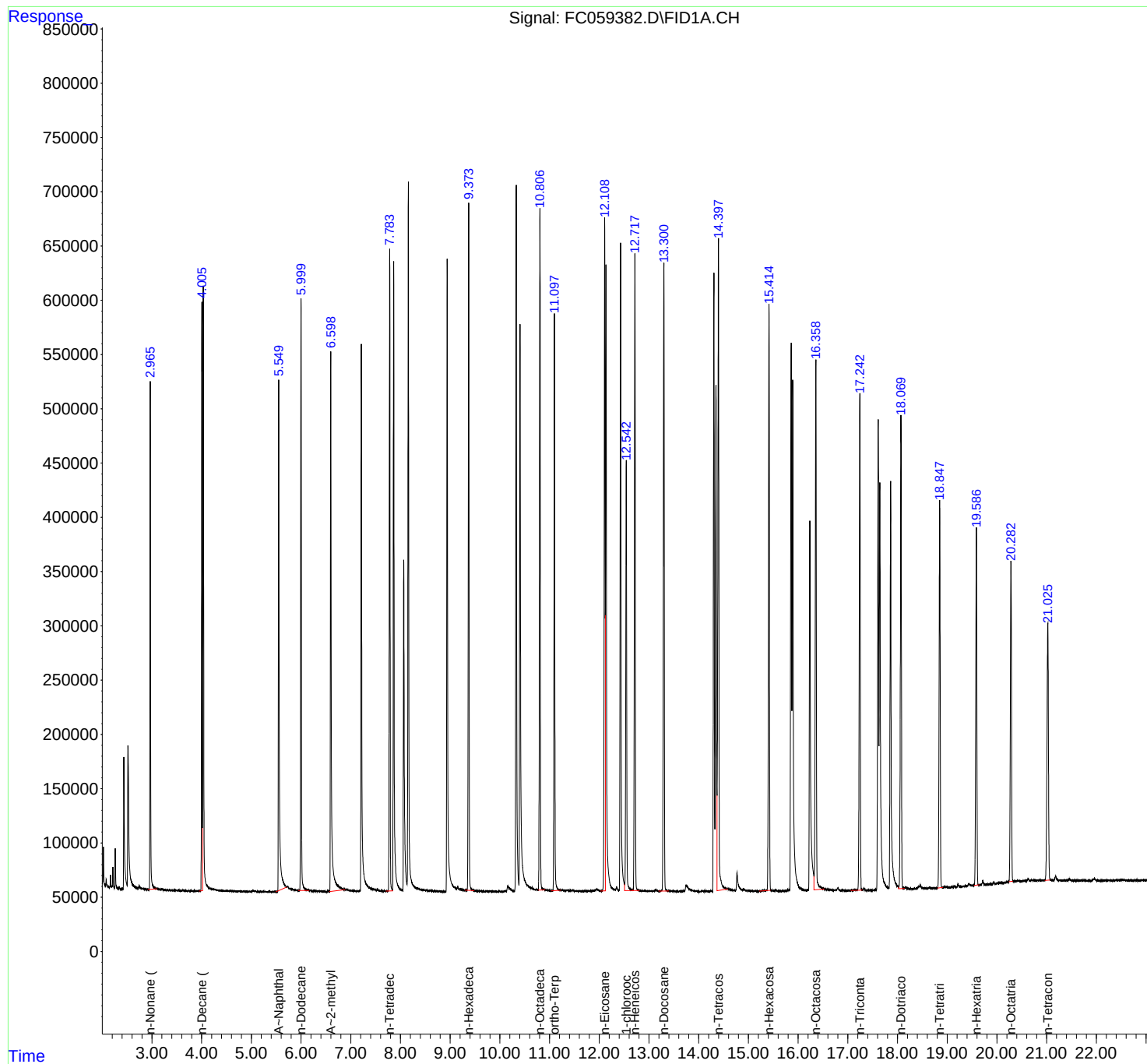
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_C

ClientSampleId :

UST-1-NMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC04222  
 Data File : FC059382.D  
 Signal(s) : FID1A.CH  
 Acq On : 23 Apr 2022 7:24  
 Sample : N2487-02MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/25/2022

Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 042122.M  
 Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.966       | 2.905        | 3.121      | BV       | 464957         | 4229049      | 46.28%         | 1.551%        |
| 2         | 3.134       | 3.121        | 3.149      | VV       | 933            | 12568        | 0.14%          | 0.005%        |
| 3         | 3.157       | 3.149        | 3.197      | VV       | 737            | 16962        | 0.19%          | 0.006%        |
| 4         | 3.208       | 3.197        | 3.253      | VV       | 541            | 14538        | 0.16%          | 0.005%        |
| 5         | 3.262       | 3.253        | 3.383      | VV       | 313            | 14252        | 0.16%          | 0.005%        |
| 6         | 3.400       | 3.383        | 3.512      | VV       | 269            | 10948        | 0.12%          | 0.004%        |
| 7         | 3.532       | 3.512        | 3.593      | VV       | 309            | 8203         | 0.09%          | 0.003%        |
| 8         | 3.609       | 3.593        | 3.632      | VV       | 333            | 4017         | 0.04%          | 0.001%        |
| 9         | 3.646       | 3.632        | 3.672      | VV       | 213            | 3131         | 0.03%          | 0.001%        |
| 10        | 3.679       | 3.672        | 3.718      | VV       | 181            | 3114         | 0.03%          | 0.001%        |
| 11        | 3.737       | 3.718        | 3.768      | PV       | 197            | 3094         | 0.03%          | 0.001%        |
| 12        | 3.797       | 3.768        | 3.887      | VV       | 237            | 11887        | 0.13%          | 0.004%        |
| 13        | 3.909       | 3.887        | 3.936      | VV       | 329            | 5350         | 0.06%          | 0.002%        |
| 14        | 3.950       | 3.936        | 3.969      | PV       | 145            | 2223         | 0.02%          | 0.001%        |
| 15        | 4.005       | 3.969        | 4.019      | VV       | 540793         | 4848333      | 53.06%         | 1.778%        |
| 16        | 4.033       | 4.019        | 4.335      | VV       | 554540         | 5844138      | 63.96%         | 2.143%        |
| 17        | 4.340       | 4.335        | 4.359      | VV       | 1079           | 15154        | 0.17%          | 0.006%        |
| 18        | 4.374       | 4.359        | 4.392      | VV       | 1016           | 18881        | 0.21%          | 0.007%        |
| 19        | 4.403       | 4.392        | 4.471      | VV       | 870            | 31982        | 0.35%          | 0.012%        |
| 20        | 4.492       | 4.471        | 4.510      | VV       | 735            | 13720        | 0.15%          | 0.005%        |
| 21        | 4.520       | 4.510        | 4.551      | VV       | 608            | 13089        | 0.14%          | 0.005%        |
| 22        | 4.566       | 4.551        | 4.634      | VV       | 630            | 22804        | 0.25%          | 0.008%        |
| 23        | 4.655       | 4.634        | 4.702      | VV       | 462            | 15291        | 0.17%          | 0.006%        |
| 24        | 4.710       | 4.702        | 4.724      | VV       | 375            | 3834         | 0.04%          | 0.001%        |
| 25        | 4.770       | 4.724        | 4.847      | VV       | 476            | 20221        | 0.22%          | 0.007%        |
| 26        | 4.864       | 4.847        | 4.888      | VV       | 247            | 5124         | 0.06%          | 0.002%        |
| 27        | 4.896       | 4.888        | 4.918      | VV       | 245            | 2907         | 0.03%          | 0.001%        |
| 28        | 4.925       | 4.918        | 4.950      | VV       | 163            | 2086         | 0.02%          | 0.001%        |
| 29        | 4.967       | 4.950        | 4.984      | VV       | 233            | 3505         | 0.04%          | 0.001%        |
| 30        | 5.001       | 4.984        | 5.012      | VV       | 257            | 3548         | 0.04%          | 0.001%        |
| 31        | 5.035       | 5.012        | 5.138      | VV       | 939            | 32062        | 0.35%          | 0.012%        |
| 32        | 5.145       | 5.138        | 5.152      | VV       | 158            | 1272         | 0.01%          | 0.000%        |
| 33        | 5.159       | 5.152        | 5.178      | VV       | 155            | 2429         | 0.03%          | 0.001%        |
| 34        | 5.191       | 5.178        | 5.268      | VV       | 302            | 9945         | 0.11%          | 0.004%        |
| 35        | 5.274       | 5.268        | 5.305      | VV       | 184            | 2571         | 0.03%          | 0.001%        |
| 36        | 5.309       | 5.305        | 5.343      | VV       | 156            | 1727         | 0.02%          | 0.001%        |

| Instrument :<br>FID_C<br>ClientSampleId :<br>UST-1-NMSD                          |        |        |        |           |        |         |        |         |   |
|----------------------------------------------------------------------------------|--------|--------|--------|-----------|--------|---------|--------|---------|---|
| Manual IntegrationsAPPROVED                                                      |        |        |        |           |        |         |        |         |   |
| Reviewed By :Yogesh Patel 04/25/2022<br>Supervised By :mohammad ahmed 04/25/2022 |        |        |        |           |        |         |        |         |   |
|                                                                                  |        |        |        | retention | Area   | Height  | Area%  | Height% |   |
| 37                                                                               | 5.358  | 5.343  | 5.396  | VV        | 198    | 4241    | 0.05%  | 0.002%  | A |
| 38                                                                               | 5.410  | 5.396  | 5.425  | VV        | 132    | 1380    | 0.02%  | 0.001%  | B |
| 39                                                                               | 5.441  | 5.425  | 5.470  | PV        | 126    | 2236    | 0.02%  | 0.001%  | C |
| 40                                                                               | 5.481  | 5.470  | 5.490  | VV        | 153    | 911     | 0.02%  | 0.001%  | D |
| 41                                                                               | 5.513  | 5.490  | 5.523  | VV        | 181    | 1923    | 0.02%  | 0.001%  | E |
| 42                                                                               | 5.550  | 5.523  | 5.718  | VV        | 462020 | 5989539 | 65.60% | 2.198%  | F |
| 43                                                                               | 5.733  | 5.718  | 5.862  | VV        | 5298   | 261165  | 0.28%  | 0.009%  | G |
| 44                                                                               | 5.871  | 5.862  | 5.895  | VV        | 1872   | 34209   | 0.37%  | 0.013%  | H |
| 45                                                                               | 5.901  | 5.895  | 5.955  | VV        | 1650   | 53560   | 0.59%  | 0.020%  | I |
| 46                                                                               | 6.000  | 5.955  | 6.132  | VV        | 542559 | 5994404 | 65.60% | 2.198%  | J |
| 47                                                                               | 6.143  | 6.132  | 6.213  | VV        | 1774   | 62989   | 0.69%  | 0.023%  |   |
| 48                                                                               | 6.230  | 6.213  | 6.265  | VV        | 862    | 22905   | 0.25%  | 0.008%  |   |
| 49                                                                               | 6.274  | 6.265  | 6.285  | VV        | 607    | 6802    | 0.07%  | 0.002%  |   |
| 50                                                                               | 6.318  | 6.285  | 6.335  | VV        | 658    | 16758   | 0.18%  | 0.006%  |   |
| 51                                                                               | 6.349  | 6.335  | 6.359  | VV        | 496    | 6692    | 0.07%  | 0.002%  |   |
| 52                                                                               | 6.369  | 6.359  | 6.382  | VV        | 483    | 5989    | 0.07%  | 0.002%  |   |
| 53                                                                               | 6.393  | 6.382  | 6.403  | VV        | 474    | 5278    | 0.06%  | 0.002%  |   |
| 54                                                                               | 6.411  | 6.403  | 6.473  | VV        | 499    | 14818   | 0.16%  | 0.005%  |   |
| 55                                                                               | 6.480  | 6.473  | 6.510  | VV        | 344    | 5961    | 0.07%  | 0.002%  |   |
| 56                                                                               | 6.540  | 6.510  | 6.570  | VV        | 1112   | 23520   | 0.26%  | 0.009%  |   |
| 57                                                                               | 6.598  | 6.570  | 6.904  | VV        | 495752 | 6632605 | 72.58% | 2.432%  |   |
| 58                                                                               | 6.921  | 6.904  | 7.074  | VV        | 2528   | 139000  | 1.52%  | 0.051%  |   |
| 59                                                                               | 7.086  | 7.074  | 7.125  | VV        | 929    | 22913   | 0.25%  | 0.008%  |   |
| 60                                                                               | 7.132  | 7.125  | 7.162  | VV        | 797    | 15902   | 0.17%  | 0.006%  |   |
| 61                                                                               | 7.213  | 7.162  | 7.463  | VV        | 501851 | 6306432 | 69.01% | 2.312%  |   |
| 62                                                                               | 7.479  | 7.463  | 7.517  | VV        | 2282   | 63496   | 0.69%  | 0.023%  |   |
| 63                                                                               | 7.535  | 7.517  | 7.588  | VV        | 1957   | 60403   | 0.66%  | 0.022%  |   |
| 64                                                                               | 7.601  | 7.588  | 7.622  | VV        | 1079   | 18527   | 0.20%  | 0.007%  |   |
| 65                                                                               | 7.628  | 7.622  | 7.643  | VV        | 794    | 9508    | 0.10%  | 0.003%  |   |
| 66                                                                               | 7.672  | 7.643  | 7.741  | VV        | 853    | 42033   | 0.46%  | 0.015%  |   |
| 67                                                                               | 7.784  | 7.741  | 7.838  | VV        | 593386 | 6529015 | 71.45% | 2.394%  |   |
| 68                                                                               | 7.863  | 7.838  | 8.045  | VV        | 583883 | 6945112 | 76.00% | 2.546%  |   |
| 69                                                                               | 8.066  | 8.045  | 8.130  | VV        | 304172 | 3909615 | 42.78% | 1.433%  |   |
| 70                                                                               | 8.158  | 8.130  | 8.561  | VV        | 656644 | 8109528 | 88.75% | 2.973%  |   |
| 71                                                                               | 8.603  | 8.579  | 8.698  | VV        | 1321   | 63018   | 0.69%  | 0.023%  |   |
| 72                                                                               | 8.708  | 8.698  | 8.767  | VV        | 639    | 18539   | 0.20%  | 0.007%  |   |
| 73                                                                               | 8.779  | 8.767  | 8.864  | VV        | 367    | 18175   | 0.20%  | 0.007%  |   |
| 74                                                                               | 8.872  | 8.864  | 8.905  | VV        | 286    | 4447    | 0.05%  | 0.002%  |   |
| 75                                                                               | 8.939  | 8.905  | 9.130  | VV        | 575850 | 7401047 | 80.99% | 2.714%  |   |
| 76                                                                               | 9.152  | 9.130  | 9.209  | VV        | 4274   | 134065  | 1.47%  | 0.049%  |   |
| 77                                                                               | 9.218  | 9.209  | 9.286  | VV        | 2248   | 84755   | 0.93%  | 0.031%  |   |
| 78                                                                               | 9.304  | 9.286  | 9.337  | VV        | 1624   | 42870   | 0.47%  | 0.016%  |   |
| 79                                                                               | 9.373  | 9.337  | 9.520  | VV        | 627205 | 7054322 | 77.20% | 2.586%  |   |
| 80                                                                               | 9.528  | 9.520  | 9.538  | VV        | 828    | 8671    | 0.09%  | 0.003%  |   |
| 81                                                                               | 9.547  | 9.538  | 9.615  | VV        | 785    | 29725   | 0.33%  | 0.011%  |   |
| 82                                                                               | 9.626  | 9.615  | 9.652  | VV        | 480    | 9610    | 0.11%  | 0.004%  |   |
| 83                                                                               | 9.676  | 9.652  | 9.698  | VV        | 578    | 11902   | 0.13%  | 0.004%  |   |
| 84                                                                               | 9.718  | 9.698  | 9.755  | VV        | 544    | 12739   | 0.14%  | 0.005%  |   |
| 85                                                                               | 9.802  | 9.755  | 9.848  | VV        | 442    | 19312   | 0.21%  | 0.007%  |   |
| 86                                                                               | 9.854  | 9.848  | 9.933  | VV        | 321    | 9697    | 0.11%  | 0.004%  |   |
| 87                                                                               | 9.985  | 9.933  | 10.022 | VV        | 335    | 9610    | 0.11%  | 0.004%  |   |
| 88                                                                               | 10.035 | 10.022 | 10.048 | VV        | 281    | 2052    | 0.02%  | 0.001%  |   |
| 89                                                                               | 10.061 | 10.048 | 10.070 | PV        | 170    | 1750    | 0.02%  | 0.001%  |   |



|     |        |        |        |    |        |         | Instrument :<br>FID_C          |        | A |
|-----|--------|--------|--------|----|--------|---------|--------------------------------|--------|---|
|     |        |        |        |    |        |         | ClientSampleId :<br>UST-1-NMSD |        |   |
|     |        |        |        |    |        |         | Manual IntegrationsAPPROVED    |        |   |
| 90  | 10.108 | 10.070 | 10.135 | VV | 700    | 16759   | 0.18%                          | 0.006% | C |
| 91  | 10.159 | 10.135 | 10.285 | VV | 4736   | 195711  | 2.29%                          | 0.001% |   |
| 92  | 10.329 | 10.285 | 10.381 | VV | 647286 | 7604377 | 83.24%                         | 2.779% |   |
| 93  | 10.406 | 10.381 | 10.728 | VV | 524197 | 7960181 | 87.06%                         | 2.810% | D |
| 94  | 10.743 | 10.728 | 10.767 | VV | 2207   | 45282   | 0.05%                          | 0.002% |   |
| 95  | 10.806 | 10.767 | 11.052 | VV | 627513 | 7758280 | 84.46%                         | 2.830% |   |
| 96  | 11.098 | 11.052 | 11.252 | VV | 534777 | 6247165 | 68.37%                         | 2.290% | E |
| 97  | 11.266 | 11.252 | 11.335 | VV | 1609   | 56877   | 0.62%                          | 0.021% |   |
| 98  | 11.357 | 11.335 | 11.398 | VV | 1244   | 38789   | 0.42%                          | 0.014% |   |
| 99  | 11.417 | 11.398 | 11.448 | VV | 1119   | 28956   | 0.32%                          | 0.011% | F |
| 100 | 11.477 | 11.448 | 11.517 | VV | 1122   | 32191   | 0.35%                          | 0.012% |   |
| 101 | 11.543 | 11.517 | 11.625 | VV | 744    | 32387   | 0.35%                          | 0.012% |   |
| 102 | 11.662 | 11.625 | 11.695 | VV | 533    | 18611   | 0.20%                          | 0.007% | G |
| 103 | 11.742 | 11.695 | 11.762 | VV | 660    | 21765   | 0.24%                          | 0.008% |   |
| 104 | 11.767 | 11.762 | 11.791 | VV | 629    | 9380    | 0.10%                          | 0.003% |   |
| 105 | 11.811 | 11.791 | 11.832 | VV | 580    | 12888   | 0.14%                          | 0.005% | H |
| 106 | 11.842 | 11.832 | 11.858 | VV | 585    | 8980    | 0.10%                          | 0.003% |   |
| 107 | 11.879 | 11.858 | 11.898 | VV | 834    | 16086   | 0.18%                          | 0.006% |   |
| 108 | 11.954 | 11.898 | 12.023 | VV | 2363   | 95841   | 1.05%                          | 0.035% | I |
| 109 | 12.042 | 12.023 | 12.058 | VV | 758    | 13444   | 0.15%                          | 0.005% |   |
| 110 | 12.108 | 12.058 | 12.121 | VV | 620376 | 7579250 | 82.94%                         | 2.779% |   |
| 111 | 12.135 | 12.121 | 12.325 | VV | 576401 | 7833937 | 85.73%                         | 2.872% | J |
| 112 | 12.347 | 12.325 | 12.394 | VV | 4127   | 96888   | 1.06%                          | 0.036% |   |
| 113 | 12.428 | 12.394 | 12.508 | VV | 596984 | 7718081 | 84.46%                         | 2.830% |   |
| 114 | 12.542 | 12.508 | 12.673 | VV | 394965 | 5168284 | 56.56%                         | 1.895% |   |
| 115 | 12.717 | 12.673 | 12.856 | VV | 586859 | 7664055 | 83.87%                         | 2.810% |   |
| 116 | 12.872 | 12.856 | 12.968 | VV | 765    | 37273   | 0.41%                          | 0.014% |   |
| 117 | 12.980 | 12.968 | 12.991 | VV | 435    | 5631    | 0.06%                          | 0.002% |   |
| 118 | 13.000 | 12.991 | 13.036 | VV | 470    | 10706   | 0.12%                          | 0.004% |   |
| 119 | 13.045 | 13.036 | 13.072 | VV | 340    | 7707    | 0.08%                          | 0.003% |   |
| 120 | 13.137 | 13.072 | 13.207 | VV | 2233   | 61906   | 0.68%                          | 0.023% |   |
| 121 | 13.300 | 13.207 | 13.455 | VV | 575045 | 7631235 | 83.51%                         | 2.798% |   |
| 122 | 13.464 | 13.455 | 13.475 | VV | 388    | 3820    | 0.04%                          | 0.001% |   |
| 123 | 13.491 | 13.475 | 13.589 | VV | 315    | 10696   | 0.12%                          | 0.004% |   |
| 124 | 13.622 | 13.589 | 13.675 | VV | 249    | 8462    | 0.09%                          | 0.003% |   |
| 125 | 13.699 | 13.675 | 13.708 | VV | 718    | 9049    | 0.10%                          | 0.003% |   |
| 126 | 13.747 | 13.708 | 13.935 | VV | 6124   | 274652  | 3.01%                          | 0.101% |   |
| 127 | 13.947 | 13.935 | 14.015 | VV | 362    | 8774    | 0.10%                          | 0.003% |   |
| 128 | 14.026 | 14.015 | 14.033 | VV | 151    | 978     | 0.01%                          | 0.000% |   |
| 129 | 14.056 | 14.033 | 14.075 | VV | 601    | 9575    | 0.10%                          | 0.004% |   |
| 130 | 14.080 | 14.075 | 14.123 | VV | 500    | 9658    | 0.11%                          | 0.004% |   |
| 131 | 14.136 | 14.123 | 14.168 | VV | 290    | 6153    | 0.07%                          | 0.002% |   |
| 132 | 14.170 | 14.168 | 14.208 | VV | 243    | 2877    | 0.03%                          | 0.001% |   |
| 133 | 14.246 | 14.208 | 14.278 | PV | 583    | 11684   | 0.13%                          | 0.004% |   |
| 134 | 14.306 | 14.278 | 14.326 | VV | 565895 | 7039000 | 77.03%                         | 2.581% |   |
| 135 | 14.347 | 14.326 | 14.369 | VV | 468455 | 6249673 | 68.39%                         | 2.291% |   |
| 136 | 14.397 | 14.369 | 14.738 | VV | 598681 | 9137847 | 100.00%                        | 3.350% |   |
| 137 | 14.771 | 14.738 | 14.885 | VV | 17334  | 446663  | 4.89%                          | 0.164% |   |
| 138 | 14.910 | 14.885 | 14.978 | VV | 2050   | 64977   | 0.71%                          | 0.024% |   |
| 139 | 14.995 | 14.978 | 15.066 | VV | 845    | 27003   | 0.30%                          | 0.010% |   |
| 140 | 15.089 | 15.066 | 15.140 | VV | 396    | 11996   | 0.13%                          | 0.004% |   |
| 141 | 15.164 | 15.140 | 15.195 | VV | 263    | 4584    | 0.05%                          | 0.002% |   |

|                                          |        |        |        |    |        |         |        |        |  |
|------------------------------------------|--------|--------|--------|----|--------|---------|--------|--------|--|
| Instrument : FID_C                       |        |        |        |    |        |         |        |        |  |
| ClientSampleId : UST-1-NMSD              |        |        |        |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/25/2022     |        |        |        |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 04/25/2022 |        |        |        |    |        |         |        |        |  |
|                                          | rteres |        |        |    |        |         |        |        |  |
| 142                                      | 15.216 | 15.195 | 15.233 | PV | 299    | 3690    | 0.04%  | 0.001% |  |
| 143                                      | 15.320 | 15.233 | 15.347 | VV | 1001   | 40711   |        |        |  |
| 144                                      | 15.414 | 15.347 | 15.512 | VV | 540154 | 7366049 |        |        |  |
| 145                                      | 15.518 | 15.512 | 15.528 | VV | 292    | 2980    |        |        |  |
| 146                                      | 15.553 | 15.528 | 15.585 | VV | 1035   | 19834   |        |        |  |
| 147                                      | 15.598 | 15.585 | 15.647 | VV | 289    | 6582    |        |        |  |
| 148                                      | 15.670 | 15.647 | 15.680 | VV | 201    | 3139    | 0.03%  | 0.001% |  |
| 149                                      | 15.698 | 15.680 | 15.708 | VV | 303    | 4379    | 0.05%  | 0.002% |  |
| 150                                      | 15.721 | 15.708 | 15.745 | VV | 370    | 5614    | 0.06%  | 0.002% |  |
| 151                                      | 15.752 | 15.745 | 15.760 | VV | 288    | 2031    | 0.02%  | 0.001% |  |
| 152                                      | 15.793 | 15.760 | 15.828 | VV | 1154   | 31416   | 0.34%  | 0.012% |  |
| 153                                      | 15.860 | 15.828 | 15.875 | VV | 508672 | 6560394 | 71.79% | 2.405% |  |
| 154                                      | 15.892 | 15.875 | 16.126 | VV | 470079 | 7489860 | 81.97% | 2.746% |  |
| 155                                      | 16.135 | 16.126 | 16.173 | VV | 808    | 19044   | 0.21%  | 0.007% |  |
| 156                                      | 16.236 | 16.173 | 16.318 | VV | 338813 | 5769695 | 63.14% | 2.115% |  |
| 157                                      | 16.357 | 16.318 | 16.708 | VV | 489681 | 7588316 | 83.04% | 2.782% |  |
| 158                                      | 16.729 | 16.708 | 16.737 | VV | 695    | 8711    | 0.10%  | 0.003% |  |
| 159                                      | 16.752 | 16.737 | 16.768 | VV | 716    | 12043   | 0.13%  | 0.004% |  |
| 160                                      | 16.801 | 16.768 | 16.858 | VV | 2991   | 60643   | 0.66%  | 0.022% |  |
| 161                                      | 16.884 | 16.858 | 16.918 | VV | 375    | 9548    | 0.10%  | 0.004% |  |
| 162                                      | 16.928 | 16.918 | 16.956 | VV | 237    | 3899    | 0.04%  | 0.001% |  |
| 163                                      | 16.982 | 16.956 | 17.028 | VV | 228    | 4836    | 0.05%  | 0.002% |  |
| 164                                      | 17.043 | 17.028 | 17.059 | PV | 239    | 2346    | 0.03%  | 0.001% |  |
| 165                                      | 17.130 | 17.059 | 17.168 | VV | 953    | 30710   | 0.34%  | 0.011% |  |
| 166                                      | 17.242 | 17.168 | 17.294 | VV | 453694 | 6452690 | 70.62% | 2.366% |  |
| 167                                      | 17.325 | 17.294 | 17.385 | VV | 1975   | 38781   | 0.42%  | 0.014% |  |
| 168                                      | 17.416 | 17.385 | 17.432 | VV | 322    | 5515    | 0.06%  | 0.002% |  |
| 169                                      | 17.440 | 17.432 | 17.482 | VV | 323    | 6440    | 0.07%  | 0.002% |  |
| 170                                      | 17.523 | 17.482 | 17.529 | VV | 301    | 6036    | 0.07%  | 0.002% |  |
| 171                                      | 17.535 | 17.529 | 17.544 | VV | 285    | 2579    | 0.03%  | 0.001% |  |
| 172                                      | 17.612 | 17.544 | 17.627 | VV | 431928 | 5630932 | 61.62% | 2.065% |  |
| 173                                      | 17.645 | 17.627 | 17.827 | VV | 376808 | 6546076 | 71.64% | 2.400% |  |
| 174                                      | 17.862 | 17.827 | 18.022 | VV | 376658 | 6063966 | 66.36% | 2.223% |  |
| 175                                      | 18.069 | 18.022 | 18.140 | VV | 435404 | 6225459 | 68.13% | 2.283% |  |
| 176                                      | 18.167 | 18.140 | 18.205 | VV | 2835   | 75989   | 0.83%  | 0.028% |  |
| 177                                      | 18.223 | 18.205 | 18.281 | VV | 1398   | 52748   | 0.58%  | 0.019% |  |
| 178                                      | 18.319 | 18.281 | 18.339 | VV | 1090   | 34801   | 0.38%  | 0.013% |  |
| 179                                      | 18.460 | 18.339 | 18.576 | VV | 4489   | 296031  | 3.24%  | 0.109% |  |
| 180                                      | 18.582 | 18.576 | 18.602 | VV | 1512   | 21632   | 0.24%  | 0.008% |  |
| 181                                      | 18.643 | 18.602 | 18.676 | VV | 2367   | 76490   | 0.84%  | 0.028% |  |
| 182                                      | 18.725 | 18.676 | 18.767 | VV | 1562   | 79008   | 0.86%  | 0.029% |  |
| 183                                      | 18.849 | 18.767 | 18.915 | VV | 357523 | 5543814 | 60.67% | 2.033% |  |
| 184                                      | 18.949 | 18.915 | 19.052 | VV | 2714   | 183779  | 2.01%  | 0.067% |  |
| 185                                      | 19.093 | 19.052 | 19.120 | VV | 2620   | 94222   | 1.03%  | 0.035% |  |
| 186                                      | 19.146 | 19.120 | 19.175 | VV | 2830   | 83314   | 0.91%  | 0.031% |  |
| 187                                      | 19.218 | 19.175 | 19.293 | VV | 4477   | 210970  | 2.31%  | 0.077% |  |
| 188                                      | 19.368 | 19.293 | 19.390 | VV | 3390   | 171656  | 1.88%  | 0.063% |  |
| 189                                      | 19.437 | 19.390 | 19.512 | VV | 4941   | 284095  | 3.11%  | 0.104% |  |
| 190                                      | 19.586 | 19.512 | 19.632 | VV | 332215 | 5290333 | 57.89% | 1.940% |  |
| 191                                      | 19.642 | 19.632 | 19.677 | VV | 4255   | 113516  | 1.24%  | 0.042% |  |
| 192                                      | 19.716 | 19.677 | 19.781 | VV | 7900   | 321661  | 3.52%  | 0.118% |  |
| 193                                      | 19.808 | 19.781 | 19.818 | VV | 4377   | 95058   | 1.04%  | 0.035% |  |
| 194                                      | 19.861 | 19.818 | 19.893 | VV | 4754   | 204285  | 2.24%  | 0.075% |  |

|                         |        |        |        |     |        |           |                              |        |   |   |
|-------------------------|--------|--------|--------|-----|--------|-----------|------------------------------|--------|---|---|
|                         |        |        |        |     |        |           | Instrument : FID_C           |        | A |   |
|                         |        |        |        |     |        |           | ClientSampleId : MUST-1-NMSD |        |   | B |
| rteres                  |        |        |        |     |        |           |                              |        |   |   |
|                         |        |        |        |     |        |           |                              |        |   |   |
| 195                     | 19.936 | 19.893 | 19.975 | VV  | 6478   | 257624    | 2.82%                        | 0.094% | C |   |
|                         |        |        |        |     |        |           | Manual IntegrationsAPPROVED  |        | D |   |
| 196                     | 20.061 | 19.975 | 20.105 | VV  | 5763   | 425843    | 4.22%                        | 0.126% | E |   |
| 197                     | 20.283 | 20.105 | 20.329 | VV  | 302007 | 5672064   | 62.00%                       | 0.126% | F |   |
| 198                     | 20.337 | 20.329 | 20.377 | VV  | 7241   | 207703    | 5.99%                        | 0.033% | G |   |
| 199                     | 20.407 | 20.377 | 20.494 | VV  | 7434   | 505364    | 5.21%                        | 0.074% | H |   |
| 200                     | 20.556 | 20.494 | 20.592 | VV  | 7513   | 424708    | 4.22%                        | 0.093% | I |   |
|                         |        |        |        |     |        |           |                              |        |   |   |
| 201                     | 20.628 | 20.592 | 20.662 | VV  | 9138   | 342582    | 3.75%                        | 0.126% |   |   |
| 202                     | 20.699 | 20.662 | 20.735 | VV  | 7925   | 344904    | 3.77%                        | 0.126% |   |   |
| 203                     | 20.745 | 20.735 | 20.755 | VV  | 7815   | 90803     | 0.99%                        | 0.033% |   |   |
| 204                     | 20.766 | 20.755 | 20.798 | VV  | 7875   | 201692    | 2.21%                        | 0.074% |   |   |
| 205                     | 20.839 | 20.798 | 20.853 | VV  | 7819   | 254019    | 2.78%                        | 0.093% |   |   |
|                         |        |        |        |     |        |           |                              |        |   |   |
| 206                     | 20.869 | 20.853 | 20.877 | VV  | 7761   | 110943    | 1.21%                        | 0.041% |   |   |
| 207                     | 20.905 | 20.877 | 20.943 | VV  | 7890   | 305408    | 3.34%                        | 0.112% |   |   |
| 208                     | 21.024 | 20.943 | 21.102 | VBA | 244578 | 5464496   | 59.80%                       | 2.004% |   |   |
| Sum of corrected areas: |        |        |        |     |        | 272743154 |                              |        |   |   |



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

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FC042122AL | Instrument | FID_c |
|-----------|------------|------------|-------|

| Sample ID              | File ID    | Parameter            | Review By | Review On               | Supervised By | Supervised On      | Reason                                  |
|------------------------|------------|----------------------|-----------|-------------------------|---------------|--------------------|-----------------------------------------|
| 20 PPM<br>ALIPHATIC HC | FC059348.D | n-Tetracontane (C40) | yogesh    | 4/22/2022 8:24:17<br>AM | mohammad      | 4/22/2022 10:46:15 | Peak Integrated by Software incorrectly |



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

## Manual Integration Report

Sequence:

FC042222AL

Instrument

FID\_c

| Sample ID           | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On     | Reason                                  |
|---------------------|------------|---------------------------|-----------|----------------------|---------------|-------------------|-----------------------------------------|
| 20 PPM ALIPHATIC HC | FC059351.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:12:36 AM | mohammad      | 4/25/2022 5:02:32 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059351.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:12:36 AM | mohammad      | 4/25/2022 5:02:32 | Peak Integrated by Software incorrectly |
| PB144240BS          | FC059353.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:12:38 AM | mohammad      | 4/25/2022 5:02:36 | Peak Integrated by Software incorrectly |
| PB144240BS          | FC059353.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:12:38 AM | mohammad      | 4/25/2022 5:02:36 | Peak Integrated by Software incorrectly |
| PB144240BSD         | FC059354.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:12:39 AM | mohammad      | 4/25/2022 5:02:38 | Peak Integrated by Software incorrectly |
| PB144240BSD         | FC059354.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:12:39 AM | mohammad      | 4/25/2022 5:02:38 | Peak Integrated by Software incorrectly |
| N2349-03            | FC059356.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:08 AM | mohammad      | 4/25/2022 5:02:41 | Peak Integrated by Software incorrectly |
| N2349-09            | FC059359.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:10 AM | mohammad      | 4/25/2022 5:02:43 | Peak Integrated by Software incorrectly |
| N2349-11            | FC059360.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:12 AM | mohammad      | 4/25/2022 5:02:46 | Peak Integrated by Software incorrectly |
| N2349-13            | FC059361.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:15 AM | mohammad      | 4/25/2022 5:02:48 | Peak Integrated by Software incorrectly |
| N2349-15            | FC059362.D | 1-chlorooctadecane (Surr) | yogesh    | 5/2/2022 8:27:32 AM  | mohammad      | 5/3/2022 11:30:43 | Peak Integrated by Software incorrectly |
| N2349-17            | FC059363.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:19 AM | mohammad      | 4/25/2022 5:02:54 | Peak Integrated by Software incorrectly |
| N2428-01MS          | FC059366.D | n-Dotriacontane (C32)     | yogesh    | 4/25/2022 8:13:22 AM | mohammad      | 4/25/2022 5:02:59 | Peak Integrated by Software incorrectly |



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

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FC042222AL | Instrument | FID_c |
|-----------|------------|------------|-------|

| Sample ID           | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On     | Reason                                  |
|---------------------|------------|---------------------------|-----------|----------------------|---------------|-------------------|-----------------------------------------|
| N2428-01MS          | FC059366.D | n-Octacosane (C28)        | yogesh    | 4/25/2022 8:13:22 AM | mohammad      | 4/25/2022 5:02:59 | Peak Integrated by Software incorrectly |
| N2428-01MS          | FC059366.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:22 AM | mohammad      | 4/25/2022 5:02:59 | Peak Integrated by Software incorrectly |
| N2428-01MS          | FC059366.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:22 AM | mohammad      | 4/25/2022 5:02:59 | Peak Integrated by Software incorrectly |
| N2428-01MS          | FC059366.D | n-Tricontane (C30)        | yogesh    | 4/25/2022 8:13:22 AM | mohammad      | 4/25/2022 5:02:59 | Peak Integrated by Software incorrectly |
| N2428-01MSD         | FC059367.D | n-Octacosane (C28)        | yogesh    | 4/25/2022 8:13:24 AM | mohammad      | 4/25/2022 5:03:02 | Peak Integrated by Software incorrectly |
| N2428-01MSD         | FC059367.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:24 AM | mohammad      | 4/25/2022 5:03:02 | Peak Integrated by Software incorrectly |
| N2428-05            | FC059371.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:25 AM | mohammad      | 4/25/2022 5:03:04 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059373.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:27 AM | mohammad      | 4/25/2022 5:03:07 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059373.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:27 AM | mohammad      | 4/25/2022 5:03:07 | Peak Integrated by Software incorrectly |
| N2428-06            | FC059374.D | 1-chlorooctadecane (Surr) | yogesh    | 4/25/2022 8:13:29 AM | mohammad      | 4/25/2022 5:03:09 | Peak Integrated by Software incorrectly |
| PB144264BS          | FC059376.D | n-Eicosane (C20)          | yogesh    | 4/25/2022 8:13:30 AM | mohammad      | 4/25/2022 5:03:12 | Peak Integrated by Software incorrectly |
| PB144264BS          | FC059376.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:30 AM | mohammad      | 4/25/2022 5:03:12 | Peak Integrated by Software incorrectly |
| PB144264BS          | FC059376.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:30 AM | mohammad      | 4/25/2022 5:03:12 | Peak Integrated by Software incorrectly |



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

## Manual Integration Report

Sequence:

FC042222AL

Instrument

FID\_c

| Sample ID           | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On     | Reason                                  |
|---------------------|------------|---------------------------|-----------|----------------------|---------------|-------------------|-----------------------------------------|
| PB144264BSD         | FC059377.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:32 AM | mohammad      | 4/25/2022 5:03:15 | Peak Integrated by Software incorrectly |
| PB144264BSD         | FC059377.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:32 AM | mohammad      | 4/25/2022 5:03:15 | Peak Integrated by Software incorrectly |
| N2487-02MS          | FC059381.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:34 AM | mohammad      | 4/25/2022 5:03:17 | Peak Integrated by Software incorrectly |
| N2487-02MS          | FC059381.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:34 AM | mohammad      | 4/25/2022 5:03:17 | Peak Integrated by Software incorrectly |
| N2487-02MSD         | FC059382.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:36 AM | mohammad      | 4/25/2022 5:03:21 | Peak Integrated by Software incorrectly |
| N2487-02MSD         | FC059382.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:36 AM | mohammad      | 4/25/2022 5:03:21 | Peak Integrated by Software incorrectly |
| N2493-01            | FC059386.D | 1-chlorooctadecane (SURR) | yogesh    | 4/25/2022 8:13:49 AM | mohammad      | 4/25/2022 5:03:25 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059395.D | n-Dotriacontane (C32)     | yogesh    | 4/25/2022 8:13:53 AM | mohammad      | 4/25/2022 5:03:28 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059395.D | n-Octatriacontane (C38)   | yogesh    | 4/25/2022 8:13:53 AM | mohammad      | 4/25/2022 5:03:28 | Peak Integrated by Software incorrectly |
| 20 PPM ALIPHATIC HC | FC059395.D | n-Tetracontane (C40)      | yogesh    | 4/25/2022 8:13:53 AM | mohammad      | 4/25/2022 5:03:28 | Peak Integrated by Software incorrectly |

## Daily Analysis Runlog For Sequence/QC Batch ID # FC042122AL

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/22/2022 8:24:43 AM            |
| Supervise By                            | mohammad                                | Supervise On      | 4/22/2022 10:46:19 AM           |
| SubDirectory                            | FC042122AL                              | HP Acquire Method | HP Processing Method FC042122AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP19590,PP19593,PP19594,PP19595,PP19596 |                   |                                 |
| CCC                                     | PP19594                                 |                   |                                 |
| Internal Standard/PEM                   | PP19598,PP19599                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | Sampled                     | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FC059339.D     | 21 Apr 2022 13:10 | UA/NP    | Ok     |
| 2   | I.BLK                       | FC059340.D     | 21 Apr 2022 13:50 | UA/NP    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FC059341.D     | 21 Apr 2022 14:27 | UA/NP    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FC059342.D     | 21 Apr 2022 15:06 | UA/NP    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FC059343.D     | 21 Apr 2022 15:45 | UA/NP    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FC059344.D     | 21 Apr 2022 16:23 | UA/NP    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FC059345.D     | 21 Apr 2022 17:02 | UA/NP    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FC059346.D     | 21 Apr 2022 17:40 | UA/NP    | Ok     |
| 9   | I.BLK                       | FC059347.D     | 21 Apr 2022 18:57 | UA/NP    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FC059348.D     | 21 Apr 2022 20:15 | UA/NP    | Ok,M   |

M : Manual Integration



## Daily Analysis Runlog For Sequence/QC Batch ID # FC042222AL

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/25/2022 8:14:02 AM            |
| Supervise By                            | mohammad                                | Supervise On      | 5/3/2022 11:30:49 AM            |
| SubDirectory                            | FC042222AL                              | HP Acquire Method | HP Processing Method FC042122AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP19590,PP19593,PP19594,PP19595,PP19596 |                   |                                 |
| CCC                                     | PP19594                                 |                   |                                 |
| Internal Standard/PEM                   | PP19598,PP19599                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID                | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                   | FC059349.D     | 22 Apr 2022 8:25  | UA/NP    | Ok       |
| 2   | I.BLK                   | FC059350.D     | 22 Apr 2022 9:01  | UA/NP    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FC059351.D     | 22 Apr 2022 9:39  | UA/NP    | Ok,M     |
| 4   | PB144240BL              | FC059352.D     | 22 Apr 2022 10:51 | UA/NP    | Ok       |
| 5   | PB144240BS              | FC059353.D     | 22 Apr 2022 11:29 | UA/NP    | Ok,M     |
| 6   | PB144240BSD             | FC059354.D     | 22 Apr 2022 12:07 | UA/NP    | Ok,M     |
| 7   | N2349-01                | FC059355.D     | 22 Apr 2022 12:46 | UA/NP    | Dilution |
| 8   | N2349-03                | FC059356.D     | 22 Apr 2022 13:25 | UA/NP    | Dilution |
| 9   | N2349-05                | FC059357.D     | 22 Apr 2022 14:04 | UA/NP    | Dilution |
| 10  | N2349-07                | FC059358.D     | 22 Apr 2022 14:43 | UA/NP    | Dilution |
| 11  | N2349-09                | FC059359.D     | 22 Apr 2022 15:22 | UA/NP    | Ok,M     |
| 12  | N2349-11                | FC059360.D     | 22 Apr 2022 16:01 | UA/NP    | Dilution |
| 13  | N2349-13                | FC059361.D     | 22 Apr 2022 16:39 | UA/NP    | Dilution |
| 14  | N2349-15                | FC059362.D     | 22 Apr 2022 17:18 | UA/NP    | Dilution |
| 15  | N2349-17                | FC059363.D     | 22 Apr 2022 17:58 | UA/NP    | Dilution |
| 16  | N2428-01                | FC059364.D     | 22 Apr 2022 18:37 | UA/NP    | Ok       |
| 17  | N2428-01D               | FC059365.D     | 22 Apr 2022 19:16 | UA/NP    | Ok       |
| 18  | N2428-01MS              | FC059366.D     | 22 Apr 2022 19:55 | UA/NP    | Ok,M     |
| 19  | N2428-01MSD             | FC059367.D     | 22 Apr 2022 20:34 | UA/NP    | Ok,M     |
| 20  | N2428-02                | FC059368.D     | 22 Apr 2022 21:12 | UA/NP    | Ok       |
| 21  | N2428-03                | FC059369.D     | 22 Apr 2022 21:50 | UA/NP    | Ok       |
| 22  | N2428-04                | FC059370.D     | 22 Apr 2022 22:30 | UA/NP    | Ok       |
| 23  | N2428-05                | FC059371.D     | 22 Apr 2022 23:08 | UA/NP    | Dilution |

## Daily Analysis Runlog For Sequence/QC Batch ID # FC042222AL

| Review By                                                          | yogesh                                  | Review On         | 4/25/2022 8:14:02 AM |                      |            |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|----------------------|----------------------|------------|
| Supervise By                                                       | mohammad                                | Supervise On      | 5/3/2022 11:30:49 AM |                      |            |
| SubDirectory                                                       | FC042222AL                              | HP Acquire Method |                      | HP Processing Method | FC042122AL |
| STD. NAME                                                          | STD REF.#                               |                   |                      |                      |            |
| Tune/Reschk<br>Initial Calibration Stds                            | PP19590,PP19593,PP19594,PP19595,PP19596 |                   |                      |                      |            |
| CCC<br>Internal Standard/PEM                                       | PP19594                                 |                   |                      |                      |            |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP19598,PP19599                         |                   |                      |                      |            |
| 24                                                                 | I.BLK                                   | FC059372.D        | 22 Apr 2022 23:47    | UA/NP                | Ok         |
| 25                                                                 | 20 PPM ALIPHATIC HC STD                 | FC059373.D        | 23 Apr 2022 00:25    | UA/NP                | Ok,M       |
| 26                                                                 | N2428-06                                | FC059374.D        | 23 Apr 2022 2:21     | UA/NP                | Dilution   |
| 27                                                                 | PB144264BL                              | FC059375.D        | 23 Apr 2022 2:59     | UA/NP                | Ok         |
| 28                                                                 | PB144264BS                              | FC059376.D        | 23 Apr 2022 3:38     | UA/NP                | Ok,M       |
| 29                                                                 | PB144264BSD                             | FC059377.D        | 23 Apr 2022 4:16     | UA/NP                | Ok,M       |
| 30                                                                 | N2487-01                                | FC059378.D        | 23 Apr 2022 4:54     | UA/NP                | Ok         |
| 31                                                                 | N2487-02                                | FC059379.D        | 23 Apr 2022 5:32     | UA/NP                | Ok         |
| 32                                                                 | N2487-02D                               | FC059380.D        | 23 Apr 2022 6:09     | UA/NP                | Ok         |
| 33                                                                 | N2487-02MS                              | FC059381.D        | 23 Apr 2022 6:46     | UA/NP                | Ok,M       |
| 34                                                                 | N2487-02MSD                             | FC059382.D        | 23 Apr 2022 7:24     | UA/NP                | Ok,M       |
| 35                                                                 | N2487-03                                | FC059383.D        | 23 Apr 2022 8:01     | UA/NP                | Ok         |
| 36                                                                 | N2487-04                                | FC059384.D        | 23 Apr 2022 8:38     | UA/NP                | Ok         |
| 37                                                                 | N2487-05                                | FC059385.D        | 23 Apr 2022 9:15     | UA/NP                | Ok         |
| 38                                                                 | N2493-01                                | FC059386.D        | 23 Apr 2022 9:52     | UA/NP                | Ok,M       |
| 39                                                                 | N2493-03                                | FC059387.D        | 23 Apr 2022 10:29    | UA/NP                | Not Ok     |
| 40                                                                 | N2494-01                                | FC059388.D        | 23 Apr 2022 11:07    | UA/NP                | Ok         |
| 41                                                                 | N2494-03                                | FC059389.D        | 23 Apr 2022 11:44    | UA/NP                | Ok         |
| 42                                                                 | N2494-04                                | FC059390.D        | 23 Apr 2022 12:22    | UA/NP                | Ok         |
| 43                                                                 | N2494-06                                | FC059391.D        | 23 Apr 2022 13:00    | UA/NP                | Ok         |
| 44                                                                 | N2507-01                                | FC059392.D        | 23 Apr 2022 13:38    | UA/NP                | ReRun      |
| 45                                                                 | N2507-02                                | FC059393.D        | 23 Apr 2022 14:16    | UA/NP                | Dilution   |
| 46                                                                 | I.BLK                                   | FC059394.D        | 23 Apr 2022 14:54    | UA/NP                | Ok         |
| 47                                                                 | 20 PPM ALIPHATIC HC STD                 | FC059395.D        | 23 Apr 2022 15:31    | UA/NP                | Ok,M       |

M : Manual Integration

Instrument ID: FID\_C

### Daily Analysis Runlog For Sequence/QC Batch ID # FC042122AL

|                                         |            |                                         |                       |  |            |  |  |
|-----------------------------------------|------------|-----------------------------------------|-----------------------|--|------------|--|--|
| Review By                               | yogesh     | Review On                               | 4/22/2022 8:24:43 AM  |  |            |  |  |
| Supervise By                            | mohammad   | Supervise On                            | 4/22/2022 10:46:19 AM |  |            |  |  |
| SubDirectory                            | FC042122AL | HP Acquire Method                       | HP Processing Method  |  | FC042122AL |  |  |
| STD. NAME                               |            | STD REF.#                               |                       |  |            |  |  |
| Tune/Reschk<br>Initial Calibration Stds |            | PP19590,PP19593,PP19594,PP19595,PP19596 |                       |  |            |  |  |
| CCC                                     |            | PP19594                                 |                       |  |            |  |  |
| Internal Standard/PEM                   |            | PP19598,PP19599                         |                       |  |            |  |  |
| ICV/I.BLK                               |            |                                         |                       |  |            |  |  |
| Surrogate Standard                      |            |                                         |                       |  |            |  |  |
| MS/MSD Standard                         |            |                                         |                       |  |            |  |  |
| LCS Standard                            |            |                                         |                       |  |            |  |  |

| Sr# | SampleId             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FC059339.D     | 21 Apr 2022 13:10 |         | UA/NP    | Ok     |
| 2   | I.BLK                | I.BLK                | FC059340.D     | 21 Apr 2022 13:50 |         | UA/NP    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FC059341.D     | 21 Apr 2022 14:27 |         | UA/NP    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FC059342.D     | 21 Apr 2022 15:06 |         | UA/NP    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC059343.D     | 21 Apr 2022 15:45 |         | UA/NP    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FC059344.D     | 21 Apr 2022 16:23 |         | UA/NP    | Ok     |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FC059345.D     | 21 Apr 2022 17:02 |         | UA/NP    | Ok     |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC059346.D     | 21 Apr 2022 17:40 |         | UA/NP    | Ok     |
| 9   | I.BLK                | I.BLK                | FC059347.D     | 21 Apr 2022 18:57 |         | UA/NP    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC059348.D     | 21 Apr 2022 20:15 |         | UA/NP    | Ok,M   |

M : Manual Integration

Instrument ID: FID\_C

### Daily Analysis Runlog For Sequence/QC Batch ID # FC042222AL

|                                         |            |                                         |                      |  |            |  |  |
|-----------------------------------------|------------|-----------------------------------------|----------------------|--|------------|--|--|
| Review By                               | yogesh     | Review On                               | 4/25/2022 8:14:02 AM |  |            |  |  |
| Supervise By                            | mohammad   | Supervise On                            | 5/3/2022 11:30:49 AM |  |            |  |  |
| SubDirectory                            | FC042222AL | HP Acquire Method                       | HP Processing Method |  | FC042122AL |  |  |
| STD. NAME                               |            | STD REF.#                               |                      |  |            |  |  |
| Tune/Reschk<br>Initial Calibration Stds |            | PP19590,PP19593,PP19594,PP19595,PP19596 |                      |  |            |  |  |
| CCC                                     |            | PP19594                                 |                      |  |            |  |  |
| Internal Standard/PEM                   |            | PP19598,PP19599                         |                      |  |            |  |  |
| ICV/I.BLK                               |            |                                         |                      |  |            |  |  |
| Surrogate Standard                      |            |                                         |                      |  |            |  |  |
| MS/MSD Standard                         |            |                                         |                      |  |            |  |  |
| LCS Standard                            |            |                                         |                      |  |            |  |  |

| Sr# | SampleId            | ClientID            | Data File Name | Date-Time         | Comment                 | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|-------------------------|----------|----------|
| 1   | MECL2               | MECL2               | FC059349.D     | 22 Apr 2022 8:25  |                         | UA/NP    | Ok       |
| 2   | I.BLK               | I.BLK               | FC059350.D     | 22 Apr 2022 9:01  |                         | UA/NP    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC059351.D     | 22 Apr 2022 9:39  |                         | UA/NP    | Ok,M     |
| 4   | PB144240BL          | PB144240BL          | FC059352.D     | 22 Apr 2022 10:51 |                         | UA/NP    | Ok       |
| 5   | PB144240BS          | PB144240BS          | FC059353.D     | 22 Apr 2022 11:29 |                         | UA/NP    | Ok,M     |
| 6   | PB144240BSD         | PB144240BSD         | FC059354.D     | 22 Apr 2022 12:07 |                         | UA/NP    | Ok,M     |
| 7   | N2349-01            | DEL-1               | FC059355.D     | 22 Apr 2022 12:46 | need 10x dilution       | UA/NP    | Dilution |
| 8   | N2349-03            | DEL-2               | FC059356.D     | 22 Apr 2022 13:25 | need 10x & 100xdilution | UA/NP    | Dilution |
| 9   | N2349-05            | DEL-3               | FC059357.D     | 22 Apr 2022 14:04 | need 5x&50x dilution    | UA/NP    | Dilution |
| 10  | N2349-07            | DEL-4               | FC059358.D     | 22 Apr 2022 14:43 | need 20x dilution       | UA/NP    | Dilution |
| 11  | N2349-09            | DEL-5               | FC059359.D     | 22 Apr 2022 15:22 |                         | UA/NP    | Ok,M     |
| 12  | N2349-11            | DEL-6               | FC059360.D     | 22 Apr 2022 16:01 | need 2x dilution        | UA/NP    | Dilution |
| 13  | N2349-13            | DEL-7               | FC059361.D     | 22 Apr 2022 16:39 | need 10x&100x dilution  | UA/NP    | Dilution |
| 14  | N2349-15            | DEL-8               | FC059362.D     | 22 Apr 2022 17:18 | need 10x&200x dilution  | UA/NP    | Dilution |
| 15  | N2349-17            | DEL-8D              | FC059363.D     | 22 Apr 2022 17:58 | need 10x&100x dilution  | UA/NP    | Dilution |
| 16  | N2428-01            | S-1                 | FC059364.D     | 22 Apr 2022 18:37 |                         | UA/NP    | Ok       |
| 17  | N2428-01D           | N2428-01D           | FC059365.D     | 22 Apr 2022 19:16 |                         | UA/NP    | Ok       |
| 18  | N2428-01MS          | S-1MS               | FC059366.D     | 22 Apr 2022 19:55 | FC059364.D              | UA/NP    | Ok,M     |
| 19  | N2428-01MSD         | S-1MSD              | FC059367.D     | 22 Apr 2022 20:34 | FC059364.D!FC059366.D   | UA/NP    | Ok,M     |

Instrument ID: FID\_C

### Daily Analysis Runlog For Sequence/QC Batch ID # FC042222AL

|                                                                    |                     |                                         |                      |                   |                                        |       |          |  |
|--------------------------------------------------------------------|---------------------|-----------------------------------------|----------------------|-------------------|----------------------------------------|-------|----------|--|
| Review By                                                          | yogesh              | Review On                               | 4/25/2022 8:14:02 AM |                   |                                        |       |          |  |
| Supervise By                                                       | mohammad            | Supervise On                            | 5/3/2022 11:30:49 AM |                   |                                        |       |          |  |
| SubDirectory                                                       | FC042222AL          | HP Acquire Method                       | HP Processing Method |                   | FC042122AL                             |       |          |  |
| STD. NAME                                                          |                     | STD REF.#                               |                      |                   |                                        |       |          |  |
| Tune/Reschk<br>Initial Calibration Stds                            |                     | PP19590,PP19593,PP19594,PP19595,PP19596 |                      |                   |                                        |       |          |  |
| CCC<br>Internal Standard/PEM                                       |                     | PP19594                                 |                      |                   |                                        |       |          |  |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard |                     | PP19598,PP19599                         |                      |                   |                                        |       |          |  |
| 20                                                                 | N2428-02            | S-2                                     | FC059368.D           | 22 Apr 2022 21:12 |                                        | UA/NP | Ok       |  |
| 21                                                                 | N2428-03            | S-3                                     | FC059369.D           | 22 Apr 2022 21:50 |                                        | UA/NP | Ok       |  |
| 22                                                                 | N2428-04            | S-4                                     | FC059370.D           | 22 Apr 2022 22:30 |                                        | UA/NP | Ok       |  |
| 23                                                                 | N2428-05            | S-5                                     | FC059371.D           | 22 Apr 2022 23:08 | surrogate fail (need 10x&50x dilution) | UA/NP | Dilution |  |
| 24                                                                 | I.BLK               | I.BLK                                   | FC059372.D           | 22 Apr 2022 23:47 |                                        | UA/NP | Ok       |  |
| 25                                                                 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC                     | FC059373.D           | 23 Apr 2022 00:25 |                                        | UA/NP | Ok,M     |  |
| 26                                                                 | N2428-06            | S-6                                     | FC059374.D           | 23 Apr 2022 2:21  | need 50x dilution                      | UA/NP | Dilution |  |
| 27                                                                 | PB144264BL          | PB144264BL                              | FC059375.D           | 23 Apr 2022 2:59  |                                        | UA/NP | Ok       |  |
| 28                                                                 | PB144264BS          | PB144264BS                              | FC059376.D           | 23 Apr 2022 3:38  |                                        | UA/NP | Ok,M     |  |
| 29                                                                 | PB144264BSD         | PB144264BSD                             | FC059377.D           | 23 Apr 2022 4:16  |                                        | UA/NP | Ok,M     |  |
| 30                                                                 | N2487-01            | UST-1-PB                                | FC059378.D           | 23 Apr 2022 4:54  |                                        | UA/NP | Ok       |  |
| 31                                                                 | N2487-02            | UST-1-N                                 | FC059379.D           | 23 Apr 2022 5:32  |                                        | UA/NP | Ok       |  |
| 32                                                                 | N2487-02D           | N2487-02D                               | FC059380.D           | 23 Apr 2022 6:09  |                                        | UA/NP | Ok       |  |
| 33                                                                 | N2487-02MS          | UST-1-NMS                               | FC059381.D           | 23 Apr 2022 6:46  | FC059379.D                             | UA/NP | Ok,M     |  |
| 34                                                                 | N2487-02MSD         | UST-1-NMSD                              | FC059382.D           | 23 Apr 2022 7:24  | FC059379.D!FC059381.D                  | UA/NP | Ok,M     |  |
| 35                                                                 | N2487-03            | UST-1-E                                 | FC059383.D           | 23 Apr 2022 8:01  |                                        | UA/NP | Ok       |  |
| 36                                                                 | N2487-04            | UST-1-S                                 | FC059384.D           | 23 Apr 2022 8:38  |                                        | UA/NP | Ok       |  |
| 37                                                                 | N2487-05            | UST-1-W                                 | FC059385.D           | 23 Apr 2022 9:15  |                                        | UA/NP | Ok       |  |
| 38                                                                 | N2493-01            | 72-11944                                | FC059386.D           | 23 Apr 2022 9:52  |                                        | UA/NP | Ok,M     |  |
| 39                                                                 | N2493-03            | Field Sampling Hourly R                 | FC059387.D           | 23 Apr 2022 10:29 | not used                               | UA/NP | Not Ok   |  |

Instrument ID: FID\_C

### Daily Analysis Runlog For Sequence/QC Batch ID # FC042222AL

Review By

yogesh

Review On

4/25/2022 8:14:02 AM

Supervise By

mohammad

Supervise On

5/3/2022 11:30:49 AM

SubDirectory

FC042222AL

HP Acquire Method

HP Processing Method

FC042122AL

| STD. NAME                                                                                                                                             |  | STD REF.#                               |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--|--|--|--|
| Tune/Reschk<br>Initial Calibration Stds<br><br><br>CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard |  | PP19590,PP19593,PP19594,PP19595,PP19596 |  |  |  |  |  |
|                                                                                                                                                       |  | PP19594                                 |  |  |  |  |  |
|                                                                                                                                                       |  | PP19598,PP19599                         |  |  |  |  |  |
|                                                                                                                                                       |  |                                         |  |  |  |  |  |
|                                                                                                                                                       |  |                                         |  |  |  |  |  |

|    |                     |                     |            |                   |                        |       |          |
|----|---------------------|---------------------|------------|-------------------|------------------------|-------|----------|
| 40 | N2494-01            | MH-1S               | FC059388.D | 23 Apr 2022 11:07 |                        | UA/NP | Ok       |
| 41 | N2494-03            | MH-1S-EPH           | FC059389.D | 23 Apr 2022 11:44 |                        | UA/NP | Ok       |
| 42 | N2494-04            | MH-1D               | FC059390.D | 23 Apr 2022 12:22 |                        | UA/NP | Ok       |
| 43 | N2494-06            | MH-1D-EPH           | FC059391.D | 23 Apr 2022 13:00 |                        | UA/NP | Ok       |
| 44 | N2507-01            | PL-01-042022        | FC059392.D | 23 Apr 2022 13:38 | surrogate fail         | UA/NP | ReRun    |
| 45 | N2507-02            | PL-01-042022-EPH-2  | FC059393.D | 23 Apr 2022 14:16 | surrogate fail;Need 2X | UA/NP | Dilution |
| 46 | I.BLK               | I.BLK               | FC059394.D | 23 Apr 2022 14:54 |                        | UA/NP | Ok       |
| 47 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC059395.D | 23 Apr 2022 15:31 |                        | UA/NP | Ok,M     |

M : Manual Integration

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: HM

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 04/21/2022

Extraction Start Time: 09:36

Extraction End Date: 04/21/2022

Extraction End Time: 14:20

Concentration By: RS

Supervisor By: rajesh

Extraction Method: ☐ Separatory Funne

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

| Standard Name           | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|----------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML    | 100 PPM             | PP19898             |
| Surrogate               | 1.0ML    | 100 PPM             | PP19853             |
| Fractionation Surrogate | 1.0ML    | 100 PPM             | PP19918             |
| N/A                     | N/A      | N/A                 | N/A                 |
| N/A                     | N/A      | N/A                 | N/A                 |

| Chemical Used     | ML/SAMPLE USED | Lot Number |
|-------------------|----------------|------------|
| MeCl2/Acetone/1:1 | N/A            | EP2239     |
| Baked Na2SO4      | N/A            | EP2236     |
| Sand              | N/A            | E2865      |
| Hexane            | N/A            | E3314      |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |

### Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 04/21/22<br>14:25 | RP (Ext. Lab)                           | MR Rest/PcB Lab      |
|                   | Preparation Group                       | Analysis Group       |

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/21/2022

| Sample ID   | Client Sample ID   | Test   | g/mL  | PH  | Surr/Spike By: |            | Final Vol.(mL) | JarID | Comments | Prep Pos |
|-------------|--------------------|--------|-------|-----|----------------|------------|----------------|-------|----------|----------|
|             |                    |        |       |     | AddedBy        | VerifiedBy |                |       |          |          |
| PB144264BL  | PB144264BL         | EPH_NF | 30.01 | N/A | ritesh         | Haroon     | 2              |       |          | U1-1     |
| PB144264BS  | PB144264BS         | EPH_NF | 30.03 | N/A | ritesh         | Haroon     | 2              |       |          | 2        |
| PB144264BSD | PB144264BSD        | EPH_NF | 30.00 | N/A | ritesh         | Haroon     | 2              |       |          | 3        |
| N2487-01    | UST-1-PB           | EPH_NF | 30.04 | N/A | ritesh         | Haroon     | 2              |       |          | 4        |
| N2487-02    | UST-1-N            | EPH_NF | 30.09 | N/A | ritesh         | Haroon     | 2              |       |          | 5        |
| N2487-02DUP | UST-1-NDUP         | EPH_NF | 30.08 | N/A | ritesh         | Haroon     | 2              |       |          | 6        |
| N2487-02MS  | UST-1-NMS          | EPH_NF | 30.03 | N/A | ritesh         | Haroon     | 2              |       |          | U2-1     |
| N2487-02MSD | UST-1-NMSD         | EPH_NF | 30.05 | N/A | ritesh         | Haroon     | 2              |       |          | 2        |
| N2487-03    | UST-1-E            | EPH_NF | 30.10 | N/A | ritesh         | Haroon     | 2              |       |          | 3        |
| N2487-04    | UST-1-S            | EPH_NF | 30.06 | N/A | ritesh         | Haroon     | 2              |       |          | 4        |
| N2487-05    | UST-1-W            | EPH_NF | 30.07 | N/A | ritesh         | Haroon     | 2              |       |          | 5        |
| N2493-01    | 72-11944           | EPH_NF | 30.02 | N/A | ritesh         | Haroon     | 2              | E     |          | 6        |
| N2493-02    | 72-11944-EPH-2     | EPH_NF | 30.04 | N/A | ritesh         | Haroon     | 2              |       |          | U3-1     |
| N2494-01    | MH-1S              | EPH_NF | 30.09 | N/A | ritesh         | Haroon     | 2              | E     |          | 2        |
| N2494-03    | MH-1S-EPH          | EPH_NF | 30.05 | N/A | ritesh         | Haroon     | 2              |       |          | 3        |
| N2494-04    | MH-1D              | EPH_NF | 30.02 | N/A | ritesh         | Haroon     | 2              | E     |          | 4        |
| N2494-06    | MH-1D-EPH          | EPH_NF | 30.05 | N/A | ritesh         | Haroon     | 2              |       |          | 5        |
| N2507-01    | PL-01-042022       | EPH_NF | 30.07 | N/A | ritesh         | Haroon     | 2              | E     |          | 6        |
| N2507-02    | PL-01-042022-EPH-2 | EPH_NF | 30.04 | N/A | ritesh         | Haroon     | 2              |       |          | U5-1     |

\* Extracts relinquished on the same date as received.

BP  
4/21





284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

## LAB CHRONICLE

|                                |                                         |
|--------------------------------|-----------------------------------------|
| <b>OrderID:</b> N2487          | <b>OrderDate:</b> 4/20/2022 10:25:00 AM |
| <b>Client:</b> AEI Consultants | <b>Project:</b> 442890_Paterson, NJ     |
| <b>Contact:</b> Mason Luster   | <b>Location:</b> N11                    |

| LabID    | ClientID | Matrix | Test   | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|--------|--------|-------------|-----------|-----------|----------|
| N2487-01 | UST-1-PB | Solid  | EPH_NF | NJEPH  | 04/19/22    | 04/21/22  | 04/23/22  | 04/20/22 |
| N2487-02 | UST-1-N  | Solid  | EPH_NF | NJEPH  | 04/19/22    | 04/21/22  | 04/23/22  | 04/20/22 |
| N2487-03 | UST-1-E  | Solid  | EPH_NF | NJEPH  | 04/19/22    | 04/21/22  | 04/23/22  | 04/20/22 |
| N2487-04 | UST-1-S  | Solid  | EPH_NF | NJEPH  | 04/19/22    | 04/21/22  | 04/23/22  | 04/20/22 |
| N2487-05 | UST-1-W  | Solid  | EPH_NF | NJEPH  | 04/19/22    | 04/21/22  | 04/23/22  | 04/20/22 |