



# SAMPLE DATA

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25     |
| Client Sample ID:  | B-110-SB01                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-01                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3         |
| Sample Wt/Vol:     | 30.09      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 18:43  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.43  | U         | 1        | 0.43 | 1.13       | mg/kg             | FG015189.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.55  | J         | 1        | 0.27 | 0.75       | mg/kg             | FG015189.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.34  | U         | 1        | 0.34 | 1.13       | mg/kg             | FG015189.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.90  | U         | 1        | 0.90 | 1.51       | mg/kg             | FG015189.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.03  | U         | 1        | 2.03 | 2.26       | mg/kg             | FG015189.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.34  | U         | 1        | 0.34 | 0.75       | mg/kg             | FF015332.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.38  | U         | 1        | 0.38 | 1.13       | mg/kg             | FF015332.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 1.53  | J         | 1        | 1.08 | 1.88       | mg/kg             | FF015332.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 2.26  | U         | 1        | 2.26 | 3.01       | mg/kg             | FF015332.D |
| Total AliphaticEPH | Total AliphaticEPH | 3.97  | U         |          | 3.97 | 6.78       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 4.06  | U         |          | 4.06 | 6.77       | mg/kg             |            |
| Total EPH          | Total EPH          | 8.04  | U         |          | 8.04 | 13.6       | mg/kg             |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-110-SB01                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.09      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015332.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.34  | U         | 0.34     | 0.75       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.38  | U         | 0.38     | 1.13       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 1.53  | J         | 1.08     | 1.88       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 2.26  | U         | 2.26     | 3.01       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 47.3  |           | 40 - 140 | 95%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 43.8  |           | 40 - 140 | 88%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 33.1  |           | 40 - 140 | 66%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01   | Acq On:            | 28 Jan 2025 18:43 |
| Client Sample ID: | B-110-SB01 | Operator:          | YP\AJ             |
| Data file:        | FF015332.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 69                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 298773   | 1.863  | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 542058   | 3.381  | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 3185348  | 20.33  | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 1322499  | 9.083  | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 5348678  | 34.657 |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.992  | 7.992  | 6244647  | 47.31  |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.864  | 8.864  | 3695410  | 43.78  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.929 | 11.929 | 5690388  | 33.06  |                  | ug/ml |



## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-110-SB01                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.09      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015189.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.43  | U         | 0.43     | 1.13       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.55  | J         | 0.27     | 0.75       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.34  | U         | 0.34     | 1.13       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.90  | U         | 0.90     | 1.51       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.03  | U         | 2.03     | 2.26       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 45.3  |           | 40 - 140 | 91%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01   | Acq On:            | 28 Jan 2025 18:43 |
| Client Sample ID: | B-110-SB01 | Operator:          | YP\AJ             |
| Data file:        | FG015189.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 20                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 310202   | 2.334  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 1029312  | 7.289  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 509558   | 3.526  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 426160   | 3.117  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 1393341  | 13.196 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 3668573  | 29.462 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 5519886  | 45.33  |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 2275232  | 16.266 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25     |
| Client Sample ID:  | B-110-SB02                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-02                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 57           |
| Sample Wt/Vol:     | 30.03      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 20:37  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.67  | U         | 1        | 0.67 | 1.75       | mg/kg             | FG015193.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.63  | J         | 1        | 0.42 | 1.17       | mg/kg             | FG015193.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 2.71  |           | 1        | 0.53 | 1.75       | mg/kg             | FG015193.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 1.40  | U         | 1        | 1.40 | 2.34       | mg/kg             | FG015193.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 3.15  | U         | 1        | 3.15 | 3.51       | mg/kg             | FG015193.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.53  | U         | 1        | 0.53 | 1.17       | mg/kg             | FF015353.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 3.47  |           | 1        | 0.60 | 1.75       | mg/kg             | FF015353.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 5.28  |           | 1        | 1.68 | 2.92       | mg/kg             | FF015353.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 3.51  | U         | 1        | 3.51 | 4.67       | mg/kg             | FF015353.D |
| Total AliphaticEPH | Total AliphaticEPH | 6.16  | U         |          | 6.16 | 10.5       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 8.75  | J         |          | 6.31 | 10.5       | mg/kg             |            |
| Total EPH          | Total EPH          | 12.5  | U         |          | 12.5 | 21.0       | mg/kg             |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-110-SB02                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-02                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 57                   |
| Sample Wt/Vol:     | 30.03      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015353.D | 1         | 01/28/25    | 01/29/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.53  | U         | 0.53     | 1.17       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 3.47  |           | 0.60     | 1.75       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 5.28  |           | 1.68     | 2.92       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 3.51  | U         | 3.51     | 4.67       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 47.6  |           | 40 - 140 | 95%        | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 48.2  |           | 40 - 140 | 96%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.3  |           | 40 - 140 | 52%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-02   | Acq On:            | 29 Jan 2025 09:48 |
| Client Sample ID: | B-110-SB02 | Operator:          | YP\AJ             |
| Data file:        | FF015353.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 63                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.500  | 6.368  | 279813   | 1.745   | 200              | ug/ml |
| Aromatic C12-C16          | 6.369  | 9.062  | 4757063  | 29.671  | 300              | ug/ml |
| Aromatic C16-C21          | 9.063  | 13.376 | 7074773  | 45.153  | 500              | ug/ml |
| Aromatic C21-C36          | 13.377 | 18.826 | 3842752  | 26.394  | 800              | ug/ml |
| Aromatic EPH              | 4.500  | 18.826 | 15954401 | 102.962 |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.989  | 7.989  | 6282099  | 47.59   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.862  | 8.862  | 4067153  | 48.18   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.927 | 11.927 | 4518606  | 26.25   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-110-SB02                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-02                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 57                   |
| Sample Wt/Vol:     | 30.03      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015193.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.67  | U         | 0.67     | 1.75       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.63  | J         | 0.42     | 1.17       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 2.71  |           | 0.53     | 1.75       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 1.40  | U         | 1.40     | 2.34       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 3.15  | U         | 3.15     | 3.51       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 22.8  |           | 40 - 140 | 46%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-02   | Acq On:            | 28 Jan 2025 20:37 |
| Client Sample ID: | B-110-SB02 | Operator:          | YP\AJ             |
| Data file:        | FG015193.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 24                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 456780   | 3.437  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 758533   | 5.372  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 3351528  | 23.191 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 1053447  | 7.706  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 2416949  | 22.89  | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 8037237  | 62.596 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.384 | 13.384 | 2781205  | 22.84  |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 5620288  | 39.706 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25     |
| Client Sample ID:  | B-113-SB01                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-03                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 86.9         |
| Sample Wt/Vol:     | 30.06      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 21:05  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.44  | U         | 1        | 0.44 | 1.15       | mg/kg             | FG015194.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.56  | J         | 1        | 0.28 | 0.77       | mg/kg             | FG015194.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 2.78  |           | 1        | 0.35 | 1.15       | mg/kg             | FG015194.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.92  | U         | 1        | 0.92 | 1.53       | mg/kg             | FG015194.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.07  | U         | 1        | 2.07 | 2.30       | mg/kg             | FG015194.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.35  | U         | 1        | 0.35 | 0.77       | mg/kg             | FF015337.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.39  | J         | 1        | 0.39 | 1.15       | mg/kg             | FF015337.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 2.48  |           | 1        | 1.10 | 1.91       | mg/kg             | FF015337.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 2.30  | U         | 1        | 2.30 | 3.06       | mg/kg             | FF015337.D |
| Total AliphaticEPH | Total AliphaticEPH | 4.05  | U         |          | 4.05 | 6.90       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 4.13  | U         |          | 4.13 | 6.89       | mg/kg             |            |
| Total EPH          | Total EPH          | 8.18  | U         |          | 8.18 | 13.8       | mg/kg             |            |

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



## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-113-SB01                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-03                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 86.9                 |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015337.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.35  | U         | 0.35     | 0.77       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.39  | J         | 0.39     | 1.15       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 2.48  |           | 1.10     | 1.91       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 2.30  | U         | 2.30     | 3.06       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 57.1  |           | 40 - 140 | 114%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 56.2  |           | 40 - 140 | 112%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 44.7  |           | 40 - 140 | 89%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-03   | Acq On:            | 28 Jan 2025 21:05 |
| Client Sample ID: | B-113-SB01 | Operator:          | YP\AJ             |
| Data file:        | FF015337.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 74                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc   | highest_standard | Units |
|----------------------------|--------|--------|----------|--------|------------------|-------|
| Aromatic C10-C12           | 4.485  | 6.355  | 354941   | 2.213  | 200              | ug/ml |
| Aromatic C12-C16           | 6.356  | 9.053  | 818900   | 5.108  | 300              | ug/ml |
| Aromatic C16-C21           | 9.054  | 13.372 | 5066389  | 32.335 | 500              | ug/ml |
| Aromatic C21-C36           | 13.373 | 18.824 | 2941766  | 20.205 | 800              | ug/ml |
| Aromatic EPH               | 4.485  | 18.824 | 9181996  | 59.861 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.993  | 7.993  | 7533896  | 57.07  |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.866  | 8.866  | 4747058  | 56.24  |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.931 | 11.931 | 7699111  | 44.72  |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-113-SB01                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-03                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 86.9                 |
| Sample Wt/Vol:     | 30.06      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015194.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.44  | U         | 0.44     | 1.15       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.56  | J         | 0.28     | 0.77       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 2.78  |           | 0.35     | 1.15       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.92  | U         | 0.92     | 1.53       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.07  | U         | 2.07     | 2.30       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.8  |           | 40 - 140 | 76%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-03   | Acq On:            | 28 Jan 2025 21:05 |
| Client Sample ID: | B-113-SB01 | Operator:          | YP\AJ             |
| Data file:        | FG015194.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 25                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 414680   | 3.121  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 1038349  | 7.353  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 5241753  | 36.27  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 604974   | 4.425  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 1486162  | 14.075 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 8785918  | 65.244 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 4607301  | 37.84  |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 7299756  | 51.169 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25     |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25     |
| Client Sample ID:  | B-113-SB02                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-04                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 64.7         |
| Sample Wt/Vol:     | 30.02      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 21:34  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.59  | U         | 1        | 0.59 | 1.54       | mg/kg             | FG015195.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 1.16  |           | 1        | 0.37 | 1.03       | mg/kg             | FG015195.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 3.92  |           | 1        | 0.46 | 1.54       | mg/kg             | FG015195.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 1.24  | U         | 1        | 1.24 | 2.06       | mg/kg             | FG015195.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.78  | U         | 1        | 2.78 | 3.09       | mg/kg             | FG015195.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.46  | U         | 1        | 0.46 | 1.03       | mg/kg             | FF015338.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.53  | U         | 1        | 0.53 | 1.54       | mg/kg             | FF015338.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 2.61  |           | 1        | 1.48 | 2.57       | mg/kg             | FF015338.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 3.09  | U         | 1        | 3.09 | 4.12       | mg/kg             | FF015338.D |
| Total AliphaticEPH | Total AliphaticEPH | 5.44  | U         |          | 5.44 | 9.26       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 5.56  | U         |          | 5.56 | 9.26       | mg/kg             |            |
| Total EPH          | Total EPH          | 11.0  | U         |          | 11.0 | 18.5       | mg/kg             |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-113-SB02                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-04                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 64.7                 |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015338.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.46  | U         | 0.46     | 1.03       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.53  | U         | 0.53     | 1.54       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 2.61  |           | 1.48     | 2.57       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 3.09  | U         | 3.09     | 4.12       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 57.8  |           | 40 - 140 | 116%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 52.6  |           | 40 - 140 | 105%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 40.0  |           | 40 - 140 | 80%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-04   | Acq On:            | 28 Jan 2025 21:34 |
| Client Sample ID: | B-113-SB02 | Operator:          | YP\AJ             |
| Data file:        | FF015338.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 75                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc   | highest_standard | Units |
|----------------------------|--------|--------|----------|--------|------------------|-------|
| Aromatic C10-C12           | 4.485  | 6.355  | 428014   | 2.669  | 200              | ug/ml |
| Aromatic C12-C16           | 6.356  | 9.053  | 699287   | 4.362  | 300              | ug/ml |
| Aromatic C16-C21           | 9.054  | 13.372 | 3971986  | 25.35  | 500              | ug/ml |
| Aromatic C21-C36           | 13.373 | 18.824 | 2039868  | 14.011 | 800              | ug/ml |
| Aromatic EPH               | 4.485  | 18.824 | 7139155  | 46.391 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.993  | 7.993  | 7626767  | 57.78  |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.865  | 8.865  | 4437221  | 52.57  |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.930 | 11.930 | 6884877  | 40     |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | B-113-SB02                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-04                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 64.7                 |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015195.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.59  | U         | 0.59     | 1.54       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 1.16  |           | 0.37     | 1.03       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 3.92  |           | 0.46     | 1.54       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 1.24  | U         | 1.24     | 2.06       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.78  | U         | 2.78     | 3.09       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 38.2  |           | 40 - 140 | 76%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-04   | Acq On:            | 28 Jan 2025 21:34 |
| Client Sample ID: | B-113-SB02 | Operator:          | YP\AJ             |
| Data file:        | FG015195.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 26                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 541334   | 4.074  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 1587621  | 11.243 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 5497421  | 38.04  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 725670   | 5.308  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 1458076  | 13.809 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 9810122  | 72.473 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 4656324  | 38.24  |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 8352046  | 58.665 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | EB                           | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-08                     | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:31 | 01/28/25 19:20  | PB166219      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 5.76  | U         | 1        | 5.76 | 30.0       | ug/l  | FC068139.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 4.94  | J         | 1        | 3.61 | 20.0       | ug/l  | FC068139.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 5.14  | U         | 1        | 5.14 | 30.0       | ug/l  | FC068139.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 8.97  | U         | 1        | 8.97 | 40.0       | ug/l  | FC068139.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 17.0  | U         | 1        | 17.0 | 60.0       | ug/l  | FC068139.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 3.32  | U         | 1        | 3.32 | 20.0       | ug/l  | FD048973.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 3.69  | U         | 1        | 3.69 | 30.0       | ug/l  | FD048973.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 12.7  | U         | 1        | 12.7 | 50.0       | ug/l  | FD048973.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 25.2  | U         | 1        | 25.2 | 80.0       | ug/l  | FD048973.D |
| Total AliphaticEPH | Total AliphaticEPH | 40.5  | U         |          | 40.5 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 44.9  | U         |          | 44.9 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 85.4  | U         |          | 85.4 | 360        | ug/l  |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | EB                           | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-08                     | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068139.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 5.76  | U         | 5.76     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 4.94  | J         | 3.61     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 5.14  | U         | 5.14     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 8.97  | U         | 8.97     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 17.0  | U         | 17.0     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.2  |           | 40 - 140 | 64%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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

**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-08   | Acq On:            | 28 Jan 2025 19:20 |
| Client Sample ID: | EB         | Operator:          | YP/AJ             |
| Data file:        | FC068139.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 17                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.129  | 6.397  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.398  | 9.782  | 340191   | 2.47  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.783  | 13.137 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.138 | 16.791 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 16.792 | 21.605 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.129  | 21.605 | 340191   | 2.47  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.867 | 12.867 | 3706435  | 32.23 |                  | ug/ml |
| Aliphatic C9-C28          | 3.129  | 16.791 | 340191   | 2.47  | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: | 01/25/25             |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  | 01/27/25             |
| Client Sample ID:  | EB                           | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-08                     | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD048973.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 3.32  | U         | 3.32     | 20.0       | ug/l    |
| Aromatic C12-C16  | Aromatic C12-C16          | 3.69  | U         | 3.69     | 30.0       | ug/l    |
| Aromatic C16-C21  | Aromatic C16-C21          | 12.7  | U         | 12.7     | 50.0       | ug/l    |
| Aromatic C21-C36  | Aromatic C21-C36          | 25.2  | U         | 25.2     | 80.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 51.8  |           | 40 - 140 | 104%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 50.4  |           | 40 - 140 | 101%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 48.5  |           | 40 - 140 | 97%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-08   | Acq On:            | 28 Jan 2025 19:20 |
| Client Sample ID: | EB         | Operator:          | YP/AJ             |
| Data file:        | FD048973.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 67                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc   | highest_standard | Units |
|----------------------------|--------|--------|----------|--------|------------------|-------|
| Aromatic C10-C12           | 4.075  | 5.794  | 44341    | 0.286  | 200              | ug/ml |
| Aromatic C12-C16           | 5.795  | 8.400  | 0        | 0      | 300              | ug/ml |
| Aromatic C16-C21           | 8.401  | 12.666 | 692413   | 4.477  | 500              | ug/ml |
| Aromatic C21-C36           | 12.667 | 18.077 | 1353832  | 9.5    | 800              | ug/ml |
| Aromatic EPH               | 4.075  | 18.077 | 2090586  | 14.263 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.357  | 7.357  | 7373549  | 51.81  |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.208  | 8.208  | 4290320  | 50.42  |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.243 | 11.243 | 7981634  | 48.53  |                  | ug/ml |



# QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06  
Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194  
Run Number: FC012825AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) |  |  | TOT<br>OUT |
|----------------------|---------------------------|--|--|------------|
| PB166219BL           | 73                        |  |  | 0          |
| PB166219BS           | 79                        |  |  | 0          |
| PB166219BSD          | 77                        |  |  | 0          |
| EB                   | 64                        |  |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

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

A  
B  
C  
D  
E  
F  
G  
H  
I  
J



SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06  
Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194  
Run Number: FD012825AR

| Client<br>SAMPLE NO. | 2-Bromonaphthalene (SURR) | 2-Flurobiphenyl (SURR) | ortho-Terphenyl (SURR) | TOT<br>OUT |
|----------------------|---------------------------|------------------------|------------------------|------------|
| PB166219BL           | 107                       | 108                    | 90                     | 0          |
| PB166219BS           | 114                       | 122                    | 96                     | 0          |
| PB166219BSD          | 116                       | 124                    | 98                     | 0          |
| EB                   | 104                       | 101                    | 97                     | 0          |

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)  
2-Flurobiphenyl (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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06  
Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194  
Run Number: FF012825AR

| Client<br>SAMPLE NO. | 2-Bromonaphthalene (SURR) | 2-Flurobiphenyl (SURR) | ortho-Terphenyl (SURR) | TOT<br>OUT |
|----------------------|---------------------------|------------------------|------------------------|------------|
| PB166218BL           | 111                       | 108                    | 82                     | 0          |
| PB166218BS           | 123                       | 109                    | 93                     | 0          |
| PB166218BSD          | 135                       | 119                    | 101                    | 0          |
| B-110-SB01           | 95                        | 88                     | 66                     | 0          |
| B-110-SB01MS         | 108                       | 109                    | 70                     | 0          |
| B-110-SB01MSD        | 110                       | 111                    | 72                     | 0          |
| B-113-SB01           | 114                       | 112                    | 89                     | 0          |
| B-113-SB02           | 116                       | 105                    | 80                     | 0          |

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)  
2-Flurobiphenyl (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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06  
Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194  
Run Number: FF012925AR

| Client<br>SAMPLE NO. | 2-Bromonaphthalene (SURR) | 2-Flurobiphenyl (SURR) | ortho-Terphenyl (SURR) | TOT<br>OUT |
|----------------------|---------------------------|------------------------|------------------------|------------|
| B-110-SB02           | 95                        | 96                     | 52                     | 0          |

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)  
2-Flurobiphenyl (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

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06  
Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194  
Run Number: FG012825AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) |  |  | TOT<br>OUT |
|----------------------|---------------------------|--|--|------------|
| PB166218BL           | 70                        |  |  | 0          |
| PB166218BS           | 91                        |  |  | 0          |
| PB166218BSD          | 101                       |  |  | 0          |
| B-110-SB01           | 91                        |  |  | 0          |
| B-110-SB01MS         | 80                        |  |  | 0          |
| B-110-SB01MSD        | 78                        |  |  | 0          |
| B-110-SB02           | 46                        |  |  | 0          |
| B-113-SB01           | 76                        |  |  | 0          |
| B-113-SB02           | 76                        |  |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

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

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** Q1194-01MS **Datafile:** FF015334.D  
**Client ID :** B-110-SB01MS

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Aromatic C10-C12 | 7.5                     | 0                                | 6.80                             | 90    |      | (40-140)  |
| Aromatic C12-C16 | 11.3                    | 0                                | 14.3                             | 126   |      | (40-140)  |
| Aromatic C16-C21 | 18.8                    | 1.53                             | 25.6                             | 127   |      | (40-140)  |
| Aromatic C21-C36 | 30.1                    | 0                                | 32.6                             | 108   |      | (40-140)  |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** Q1194-01MSD **Datafile:** FF015335.D  
**Client ID :** B-110-SB01MSD

| 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 |
|------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------------------------|
| Aromatic C10-C12 | 7.5                     | 0                                | 6.92                             | 92    |      | 1.65   (40-140) 25                 |
| Aromatic C12-C16 | 11.3                    | 0                                | 15.8                             | 139   |      | 9.81   (40-140) 25                 |
| Aromatic C16-C21 | 18.8                    | 1.53                             | 23.1                             | 114   |      | 10.8   (40-140) 25                 |
| Aromatic C21-C36 | 30.1                    | 0                                | 33.4                             | 110   |      | 1.83   (40-140) 25                 |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** Q1194-01MS **Datafile:** FG015191.D  
**Client ID :** B-110-SB01MS

| 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 C9-C12  | 11.3                    | 0                                | 8.38                             | 74    |      | (40-140)  |
| Aliphatic C12-C16 | 7.5                     | 0.55                             | 7.50                             | 92    |      | (40-140)  |
| Aliphatic C16-C21 | 11.3                    | 0                                | 11.2                             | 99    |      | (40-140)  |
| Aliphatic C21-C28 | 15.1                    | 0                                | 14.6                             | 97    |      | (40-140)  |
| Aliphatic C28-C40 | 22.6                    | 0                                | 24.3                             | 107   |      | (40-140)  |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** Q1194-01MSD **Datafile:** FG015192.D  
**Client ID :** B-110-SB01MSD

| 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 C9-C12  | 11.3                    | 0                                | 8.23                             | 73    |      | 1.9   (40-140) 25                  |
| Aliphatic C12-C16 | 7.5                     | 0.55                             | 7.39                             | 91    |      | 1.64   (40-140) 25                 |
| Aliphatic C16-C21 | 11.3                    | 0                                | 11.1                             | 98    |      | 1.01   (40-140) 25                 |
| Aliphatic C21-C28 | 15.1                    | 0                                | 14.5                             | 96    |      | 0.73   (40-140) 25                 |
| Aliphatic C28-C40 | 22.6                    | 0                                | 24.5                             | 108   |      | 0.93   (40-140) 25                 |



**WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166219BS **Datafile:** FC068134.D  
**Client ID :** PB166219BS

| COMPOUND          | SPIKE<br>ADDED<br>ug/l | LCS/LCSD<br>CONCENTRATION<br>ug/l | % REC | Qual | QC LIMITS |
|-------------------|------------------------|-----------------------------------|-------|------|-----------|
| Aliphatic C9-C12  | 300                    | 194                               | 65    |      | (40-140)  |
| Aliphatic C12-C16 | 200                    | 175                               | 88    |      | (40-140)  |
| Aliphatic C16-C21 | 300                    | 292                               | 97    |      | (40-140)  |
| Aliphatic C21-C28 | 400                    | 391                               | 98    |      | (40-140)  |
| Aliphatic C28-C40 | 600                    | 644                               | 107   |      | (40-140)  |

**WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166219BSD **Datafile:** FC068135.D  
**Client ID :** PB166219BSD

| COMPOUND          | SPIKE<br>ADDED<br>ug/l | LCS/LCSD<br>CONCENTRATION<br>ug/l | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|-------------------|------------------------|-----------------------------------|-------|------|-----------------|--------------------|
| Aliphatic C9-C12  | 300                    | 193                               | 64    |      | 0.568  (40-140) | 50                 |
| Aliphatic C12-C16 | 200                    | 177                               | 88    |      | 1.1  (40-140)   | 50                 |
| Aliphatic C16-C21 | 300                    | 297                               | 99    |      | 1.7  (40-140)   | 50                 |
| Aliphatic C21-C28 | 400                    | 396                               | 99    |      | 1.2  (40-140)   | 50                 |
| Aliphatic C28-C40 | 600                    | 647                               | 107   |      | 0.77  (40-140)  | 50                 |

**WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166219BS **Datafile:** FD048968.D  
**Client ID :** PB166219BS

| COMPOUND         | SPIKE<br>ADDED<br>ug/l | LCS/LCSD<br>CONCENTRATION<br>ug/l | % REC | Qual | QC LIMITS |
|------------------|------------------------|-----------------------------------|-------|------|-----------|
| Aromatic C10-C12 | 200                    | 192                               | 96    |      | (40-140)  |
| Aromatic C12-C16 | 300                    | 325                               | 108   |      | (40-140)  |
| Aromatic C16-C21 | 500                    | 645                               | 129   |      | (40-140)  |
| Aromatic C21-C36 | 800                    | 1040                              | 130   |      | (40-140)  |

**WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166219BSD **Datafile:** FD048969.D  
**Client ID :** PB166219BSD

| COMPOUND         | SPIKE<br>ADDED<br>ug/l | LCS/LCSD<br>CONCENTRATION<br>ug/l | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|------------------|------------------------|-----------------------------------|-------|------|-----------------|--------------------|
| Aromatic C10-C12 | 200                    | 195                               | 98    |      | 1.6  (40-140)   | 50                 |
| Aromatic C12-C16 | 300                    | 331                               | 110   |      | 2.1  (40-140)   | 50                 |
| Aromatic C16-C21 | 500                    | 661                               | 132   |      | 2.5  (40-140)   | 50                 |
| Aromatic C21-C36 | 800                    | 1070                              | 133   |      | 2.8  (40-140)   | 50                 |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166218BS **Datafile:** FF015327.D  
**Client ID :** PB166218BS

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aromatic C10-C12 | 6.7                     | 5.79                               | 87    |      | (40-140)  |
| Aromatic C12-C16 | 10                      | 10.8                               | 108   |      | (40-140)  |
| Aromatic C16-C21 | 16.7                    | 20.6                               | 123   |      | (40-140)  |
| Aromatic C21-C36 | 26.6                    | 32.0                               | 120   |      | (40-140)  |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166218BSD **Datafile:** FF015328.D  
**Client ID :** PB166218BSD

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aromatic C10-C12 | 6.7                     | 6.32                               | 95    |      | 8.7  (40-140)   | 50                 |
| Aromatic C12-C16 | 10.0                    | 11.8                               | 118   |      | 8.9  (40-140)   | 50                 |
| Aromatic C16-C21 | 16.7                    | 22.8                               | 136   |      | 10  (40-140)    | 50                 |
| Aromatic C21-C36 | 26.7                    | 35.7                               | 133   |      | 10  (40-140)    | 50                 |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166218BS **Datafile:** FG015184.D  
**Client ID :** PB166218BS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aliphatic C9-C12  | 10                      | 6.72                               | 67    |      | (40-140)  |
| Aliphatic C12-C16 | 6.7                     | 6.16                               | 92    |      | (40-140)  |
| Aliphatic C16-C21 | 10                      | 11.2                               | 112   |      | (40-140)  |
| Aliphatic C21-C28 | 13.3                    | 15.1                               | 113   |      | (40-140)  |
| Aliphatic C28-C40 | 20.0                    | 25.5                               | 127   |      | (40-140)  |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194  
**Sample No :** PB166218BSD **Datafile:** FG015185.D  
**Client ID :** PB166218BSD

| 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 C9-C12  | 10.0                    | 7.22                               | 72    |      | 7.2  (40-140)   | 50                 |
| Aliphatic C12-C16 | 6.7                     | 6.61                               | 99    |      | 7  (40-140)     | 50                 |
| Aliphatic C16-C21 | 10.0                    | 12.1                               | 121   |      | 7.8  (40-140)   | 50                 |
| Aliphatic C21-C28 | 13.3                    | 16.3                               | 122   |      | 7.9  (40-140)   | 50                 |
| Aliphatic C28-C40 | 20.0                    | 27.7                               | 138   |      | 8.7  (40-140)   | 50                 |



4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166218BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1194

SAS No.: Q1194 SDG NO.: Q1194

Instrument ID: FID\_C

Lab Sample ID: PB166218BL

Matrix: (soil/water) Solid

Date Extracted: 1/28/2025 8:30:00 A

Level: (low/med) low

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB166218BS        | PB166218BS       |
| PB166218BSD       | PB166218BSD      |
| B-110-SB01        | Q1194-01         |
| B-110-SB02        | Q1194-02         |
| B-113-SB01        | Q1194-03         |
| B-113-SB02        | Q1194-04         |
| B-110-SB01MS      | Q1194-01MS       |
| B-110-SB01MSD     | Q1194-01MSD      |

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

4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166219BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1194

SAS No.: Q1194 SDG NO.: Q1194

Instrument ID: FID\_C

Lab Sample ID: PB166219BL

Matrix: (soil/water) Water

Date Extracted: 1/28/2025 8:31:00 A

Level: (low/med) low

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB166219BS        | PB166219BS       |
| PB166219BSD       | PB166219BSD      |
| EB                | Q1194-08         |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166218BL                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166218BL                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 15:52  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.38  | U         | 1        | 0.38 | 1.00       | mg/kg             | FG015183.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.24  | U         | 1        | 0.24 | 0.67       | mg/kg             | FG015183.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.30  | U         | 1        | 0.30 | 1.00       | mg/kg             | FG015183.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.80  | U         | 1        | 0.80 | 1.33       | mg/kg             | FG015183.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.80  | U         | 1        | 1.80 | 2.00       | mg/kg             | FG015183.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.30  | U         | 1        | 0.30 | 0.67       | mg/kg             | FF015326.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.34  | U         | 1        | 0.34 | 1.00       | mg/kg             | FF015326.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 0.96  | U         | 1        | 0.96 | 1.67       | mg/kg             | FF015326.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 2.00  | U         | 1        | 2.00 | 2.67       | mg/kg             | FF015326.D |
| Total AliphaticEPH | Total AliphaticEPH | 3.52  | U         |          | 3.52 | 6.00       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 3.60  | U         |          | 3.60 | 6.01       | mg/kg             |            |
| Total EPH          | Total EPH          | 7.12  | U         |          | 7.12 | 12.0       | mg/kg             |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BL                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BL                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015326.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.30  | U         | 0.30     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.34  | U         | 0.34     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 0.96  | U         | 0.96     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 2.00  | U         | 2.00     | 2.67       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 55.3  |           | 40 - 140 | 111%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 53.9  |           | 40 - 140 | 108%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 41.2  |           | 40 - 140 | 82%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BL | Acq On:            | 28 Jan 2025 15:52 |
| Client Sample ID: | PB166218BL | Operator:          | YP\AJ             |
| Data file:        | FF015326.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 63                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 0        | 0     | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 0        | 0     | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 0        | 0     | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 0        | 0     | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 0        | 0     |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.979  | 7.979  | 7299905  | 55.3  |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.852  | 8.852  | 4549221  | 53.9  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.923 | 11.923 | 7094985  | 41.22 |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BL                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BL                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015183.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.38  | U         | 0.38     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.24  | U         | 0.24     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.30  | U         | 0.30     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.80  | U         | 0.80     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.80  | U         | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 34.9  |           | 40 - 140 | 70%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BL | Acq On:            | 28 Jan 2025 15:52 |
| Client Sample ID: | PB166218BL | Operator:          | YP\AJ             |
| Data file:        | FG015183.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 14                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.387 | 13.387 | 4247483  | 34.88 |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 0        | 0     | 1200             | ug/ml |



## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166219BL                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166219BL                   | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:31 | 01/28/25 15:42  | PB166219      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 5.76  | U         | 1        | 5.76 | 30.0       | ug/l  | FC068133.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 3.61  | U         | 1        | 3.61 | 20.0       | ug/l  | FC068133.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 5.14  | U         | 1        | 5.14 | 30.0       | ug/l  | FC068133.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 8.97  | U         | 1        | 8.97 | 40.0       | ug/l  | FC068133.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 17.0  | U         | 1        | 17.0 | 60.0       | ug/l  | FC068133.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 3.32  | U         | 1        | 3.32 | 20.0       | ug/l  | FD048967.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 3.69  | U         | 1        | 3.69 | 30.0       | ug/l  | FD048967.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 12.7  | U         | 1        | 12.7 | 50.0       | ug/l  | FD048967.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 25.2  | U         | 1        | 25.2 | 80.0       | ug/l  | FD048967.D |
| Total AliphaticEPH | Total AliphaticEPH | 40.5  | U         |          | 40.5 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 44.9  | U         |          | 44.9 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 85.4  | U         |          | 85.4 | 360        | ug/l  |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166219BL                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166219BL                   | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  |                              | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068133.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 5.76  | U         | 5.76     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 3.61  | U         | 3.61     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 5.14  | U         | 5.14     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 8.97  | U         | 8.97     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 17.0  | U         | 17.0     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.4  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BL | Acq On:            | 28 Jan 2025 15:42 |
| Client Sample ID: | PB166219BL | Operator:          | YP/AJ             |
| Data file:        | FC068133.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 11                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.129  | 6.397  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.398  | 9.782  | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 9.783  | 13.137 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.138 | 16.791 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 16.792 | 21.605 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.129  | 21.605 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.869 | 12.869 | 4180609  | 36.35 |                  | ug/ml |
| Aliphatic C9-C28          | 3.129  | 16.791 | 0        | 0     | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166219BL                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166219BL                   | Matrix:         | Water        |
| Analytical Method: | NJEPH                        | % Solid:        | 0            |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      | SW3510                       |                 |              |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD048967.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 3.32  | U         | 3.32     | 20.0       | ug/l    |
| Aromatic C12-C16  | Aromatic C12-C16          | 3.69  | U         | 3.69     | 30.0       | ug/l    |
| Aromatic C16-C21  | Aromatic C16-C21          | 12.7  | U         | 12.7     | 50.0       | ug/l    |
| Aromatic C21-C36  | Aromatic C21-C36          | 25.2  | U         | 25.2     | 80.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 53.4  |           | 40 - 140 | 107%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 53.8  |           | 40 - 140 | 108%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 45.1  |           | 40 - 140 | 90%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BL | Acq On:            | 28 Jan 2025 15:42 |
| Client Sample ID: | PB166219BL | Operator:          | YP/AJ             |
| Data file:        | FD048967.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 61                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response | Conc  | highest_standard | Units |
|----------------------------|--------|--------|----------|-------|------------------|-------|
| Aromatic C10-C12           | 4.075  | 5.794  | 0        | 0     | 200              | ug/ml |
| Aromatic C12-C16           | 5.795  | 8.400  | 0        | 0     | 300              | ug/ml |
| Aromatic C16-C21           | 8.401  | 12.666 | 0        | 0     | 500              | ug/ml |
| Aromatic C21-C36           | 12.667 | 18.077 | 0        | 0     | 800              | ug/ml |
| Aromatic EPH               | 4.075  | 18.077 | 0        | 0     |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.357  | 7.357  | 7600058  | 53.4  |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.208  | 8.208  | 4575671  | 53.78 |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.243 | 11.243 | 7420730  | 45.12 |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166218BS                   | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166218BS                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.02      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 16:20  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 6.72  |           | 1        | 0.38 | 1.00       | mg/kg FG015184.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 6.16  |           | 1        | 0.24 | 0.67       | mg/kg FG015184.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 11.2  |           | 1        | 0.30 | 1.00       | mg/kg FG015184.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 15.1  |           | 1        | 0.80 | 1.33       | mg/kg FG015184.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 25.5  |           | 1        | 1.80 | 2.00       | mg/kg FG015184.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 5.79  |           | 1        | 0.30 | 0.67       | mg/kg FF015327.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 10.8  |           | 1        | 0.34 | 1.00       | mg/kg FF015327.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 20.6  |           | 1        | 0.96 | 1.67       | mg/kg FF015327.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 32.0  |           | 1        | 2.00 | 2.66       | mg/kg FF015327.D  |
| Total AliphaticEPH | Total AliphaticEPH | 64.7  |           |          | 3.52 | 5.99       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 69.2  |           |          | 3.60 | 6.00       | mg/kg             |
| Total EPH          | Total EPH          | 134   |           |          | 7.12 | 12.0       | mg/kg             |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BS                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015327.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 5.79  |           | 0.30     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 10.8  |           | 0.34     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 20.6  |           | 0.96     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 32.0  |           | 2.00     | 2.66       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 61.7  |           | 40 - 140 | 123%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 54.4  |           | 40 - 140 | 109%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 46.3  |           | 40 - 140 | 93%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BS | Acq On:            | 28 Jan 2025 16:20 |
| Client Sample ID: | PB166218BS | Operator:          | YP\AJ             |
| Data file:        | FF015327.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 64                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 13940227  | 86.926  | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 25994375  | 162.134 | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 48498475  | 309.528 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 69937175  | 480.356 | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 158370252 | 1040    |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.990  | 7.990  | 8139073   | 61.66   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.864  | 8.864  | 4588846   | 54.36   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.929 | 11.929 | 7969827   | 46.3    |                  | ug/ml |



## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BS                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015184.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
|                   | Aliphatic C9-C12          | 6.72  |           | 0.38     | 1.00       | mg/kg   |
|                   | Aliphatic C12-C16         | 6.16  |           | 0.24     | 0.67       | mg/kg   |
|                   | Aliphatic C16-C21         | 11.2  |           | 0.30     | 1.00       | mg/kg   |
|                   | Aliphatic C21-C28         | 15.1  |           | 0.80     | 1.33       | mg/kg   |
|                   | Aliphatic C28-C40         | 25.5  |           | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 45.7  |           | 40 - 140 | 91%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BS | Acq On:            | 28 Jan 2025 16:20 |
| Client Sample ID: | PB166218BS | Operator:          | YP\AJ             |
| Data file:        | FG015184.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 15                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 13399408  | 100.832 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 13046289  | 92.389  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 24368059  | 168.615 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 31064529  | 227.233 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 40438634  | 382.976 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 122316919 | 972.046 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.386 | 13.386 | 5562109   | 45.68   |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 81878285  | 589.069 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166219BS                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166219BS                   | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:31 | 01/28/25 16:18  | PB166219      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 194   |           | 1        | 5.76 | 30.0       | ug/l  | FC068134.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 175   |           | 1        | 3.61 | 20.0       | ug/l  | FC068134.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 292   |           | 1        | 5.14 | 30.0       | ug/l  | FC068134.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 391   |           | 1        | 8.97 | 40.0       | ug/l  | FC068134.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 644   |           | 1        | 17.0 | 60.0       | ug/l  | FC068134.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 192   |           | 1        | 3.32 | 20.0       | ug/l  | FD048968.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 325   |           | 1        | 3.69 | 30.0       | ug/l  | FD048968.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 645   |           | 1        | 12.7 | 50.0       | ug/l  | FD048968.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 1040  |           | 1        | 25.2 | 80.0       | ug/l  | FD048968.D |
| Total AliphaticEPH | Total AliphaticEPH | 1700  |           |          | 40.5 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 2200  |           |          | 44.9 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 3900  |           |          | 85.4 | 360        | ug/l  |            |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166219BS                   | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166219BS                   | Matrix:         | Water                |
| Analytical Method: | NJEPH                        | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      | SW3510                       |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068134.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 194   |           | 5.76     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 175   |           | 3.61     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 292   |           | 5.14     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 391   |           | 8.97     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 644   |           | 17.0     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.4  |           | 40 - 140 | 79%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BS | Acq On:            | 28 Jan 2025 16:18 |
| Client Sample ID: | PB166219BS | Operator:          | YP/AJ             |
| Data file:        | FC068134.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 12                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.129  | 6.397  | 13478505  | 97.326  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.398  | 9.782  | 12117967  | 87.994  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.783  | 13.137 | 19760847  | 146.356 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.138 | 16.791 | 24926480  | 195.951 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.792 | 21.605 | 33380338  | 322.083 | 600              | ug/ml |
| Aliphatic EPH             | 3.129  | 21.605 | 103664137 | 849.711 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.869 | 12.869 | 4525889   | 39.35   |                  | ug/ml |
| Aliphatic C9-C28          | 3.129  | 16.791 | 70283799  | 527.627 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |           |                 |         |
|--------------------|------------------------------|-----------|-----------------|---------|
| Client:            | Portal Partners Tri-Venture  |           | Date Collected: |         |
| Project:           | Amtrak Sawtooth Bridges 2025 |           | Date Received:  |         |
| Client Sample ID:  | PB166219BS                   |           | SDG No.:        | Q1194   |
| Lab Sample ID:     | PB166219BS                   |           | Matrix:         | Water   |
| Analytical Method: | NJEPH                        |           | % Solid:        | 0       |
| Sample Wt/Vol:     | 1000                         | Units: mL | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                              | uL        | Test:           | EPH     |
| Prep Method :      | SW3510                       |           |                 |         |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD048968.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 192   |           | 3.32     | 20.0       | ug/l    |
| Aromatic C12-C16  | Aromatic C12-C16          | 325   |           | 3.69     | 30.0       | ug/l    |
| Aromatic C16-C21  | Aromatic C16-C21          | 645   |           | 12.7     | 50.0       | ug/l    |
| Aromatic C21-C36  | Aromatic C21-C36          | 1040  |           | 25.2     | 80.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 56.8  |           | 40 - 140 | 114%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 60.8  |           | 40 - 140 | 122%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 48.0  |           | 40 - 140 | 96%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BS | Acq On:            | 28 Jan 2025 16:18 |
| Client Sample ID: | PB166219BS | Operator:          | YP/AJ             |
| Data file:        | FD048968.D | Misc:              |                   |
| Instrument:       | FID_D      | ALS Vial:          | 62                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response  | Conc    | highest_standard | Units |
|----------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.075  | 5.794  | 14951023  | 96.315  | 200              | ug/ml |
| Aromatic C12-C16           | 5.795  | 8.400  | 26375285  | 162.598 | 300              | ug/ml |
| Aromatic C16-C21           | 8.401  | 12.666 | 49912193  | 322.747 | 500              | ug/ml |
| Aromatic C21-C36           | 12.667 | 18.077 | 74109610  | 520.057 | 800              | ug/ml |
| Aromatic EPH               | 4.075  | 18.077 | 165348111 | 1100    |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.357  | 7.357  | 8086195   | 56.82   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.209  | 8.209  | 5175064   | 60.82   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.243 | 11.243 | 7890956   | 47.98   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166218BSD                  | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166218BSD                  | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 16:49  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 7.22  |           | 1        | 0.38 | 1.00       | mg/kg FG015185.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 6.61  |           | 1        | 0.24 | 0.67       | mg/kg FG015185.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 12.1  |           | 1        | 0.30 | 1.00       | mg/kg FG015185.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 16.3  |           | 1        | 0.80 | 1.33       | mg/kg FG015185.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 27.7  |           | 1        | 1.80 | 2.00       | mg/kg FG015185.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 6.32  |           | 1        | 0.30 | 0.67       | mg/kg FF015328.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 11.8  |           | 1        | 0.34 | 1.00       | mg/kg FF015328.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 22.8  |           | 1        | 0.96 | 1.67       | mg/kg FF015328.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 35.7  |           | 1        | 2.00 | 2.67       | mg/kg FF015328.D  |
| Total AliphaticEPH | Total AliphaticEPH | 69.9  |           |          | 3.52 | 6.00       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 76.6  |           |          | 3.60 | 6.01       | mg/kg             |
| Total EPH          | Total EPH          | 147   |           |          | 7.12 | 12.0       | mg/kg             |

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



## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BSD                  | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015328.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 6.32  |           | 0.30     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 11.8  |           | 0.34     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 22.8  |           | 0.96     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 35.7  |           | 2.00     | 2.67       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 67.4  |           | 40 - 140 | 135%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 59.7  |           | 40 - 140 | 119%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 50.6  |           | 40 - 140 | 101%       | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BSD | Acq On:            | 28 Jan 2025 16:49 |
| Client Sample ID: | PB166218BSD | Operator:          | YP\AJ             |
| Data file:        | FF015328.D  | Misc:              |                   |
| Instrument:       | FID_F       | ALS Vial:          | 65                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 15213196  | 94.864  | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 28427662  | 177.311 | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 53542946  | 341.723 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 78100409  | 536.424 | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 175284213 | 1150    |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.993  | 7.993  | 8894035   | 67.38   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.866  | 8.866  | 5036514   | 59.67   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.931 | 11.931 | 8717752   | 50.64   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | PB166218BSD                  | SDG No.:        | Q1194                |
| Lab Sample ID:     | PB166218BSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015185.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 7.22  |           | 0.38     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 6.61  |           | 0.24     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 12.1  |           | 0.30     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 16.3  |           | 0.80     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 27.7  |           | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 50.6  |           | 40 - 140 | 101%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB166218BSD | Acq On:            | 28 Jan 2025 16:49 |
| Client Sample ID: | PB166218BSD | Operator:          | YP\AJ             |
| Data file:        | FG015185.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 16                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 14391362  | 108.296 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 14000715  | 99.148  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 26193483  | 181.246 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 33493778  | 245.003 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 43839847  | 415.188 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 131919185 | 1050    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.386 | 13.386 | 6163834   | 50.62   |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 88079338  | 633.693 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166219BSD                  | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166219BSD                  | Matrix:         | Water        |
| Analytical Method: | NJEPH                        | % Solid:        | 0            |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      | SW3510                       |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:31 | 01/28/25 16:55  | PB166219      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 193   |           | 1        | 5.76 | 30.0       | ug/l  | FC068135.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 177   |           | 1        | 3.61 | 20.0       | ug/l  | FC068135.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 297   |           | 1        | 5.14 | 30.0       | ug/l  | FC068135.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 396   |           | 1        | 8.97 | 40.0       | ug/l  | FC068135.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 647   |           | 1        | 17.0 | 60.0       | ug/l  | FC068135.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 195   |           | 1        | 3.32 | 20.0       | ug/l  | FD048969.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 331   |           | 1        | 3.69 | 30.0       | ug/l  | FD048969.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 661   |           | 1        | 12.7 | 50.0       | ug/l  | FD048969.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 1070  |           | 1        | 25.2 | 80.0       | ug/l  | FD048969.D |
| Total AliphaticEPH | Total AliphaticEPH | 1710  |           |          | 40.5 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 2260  |           |          | 44.9 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 3970  |           |          | 85.4 | 360        | ug/l  |            |

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

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | PB166219BSD                  | SDG No.:        | Q1194        |
| Lab Sample ID:     | PB166219BSD                  | Matrix:         | Water        |
| Analytical Method: | NJEPH                        | % Solid:        | 0            |
| Sample Wt/Vol:     | 1000      Units:    mL       | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      | SW3510                       |                 |              |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068135.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 193   |           | 5.76     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 177   |           | 3.61     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 297   |           | 5.14     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 396   |           | 8.97     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 647   |           | 17.0     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 38.7  |           | 40 - 140 | 77%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BSD | Acq On:            | 28 Jan 2025 16:55 |
| Client Sample ID: | PB166219BSD | Operator:          | YP/AJ             |
| Data file:        | FC068135.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 13                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.129  | 6.397  | 13399710  | 96.757  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.398  | 9.782  | 12196596  | 88.565  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.783  | 13.137 | 20055450  | 148.538 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.138 | 16.791 | 25217665  | 198.24  | 400              | ug/ml |
| Aliphatic C28-C40         | 16.792 | 21.605 | 33539753  | 323.621 | 600              | ug/ml |
| Aliphatic EPH             | 3.129  | 21.605 | 104409174 | 855.722 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.868 | 12.868 | 4449518   | 38.69   |                  | ug/ml |
| Aliphatic C9-C28          | 3.129  | 16.791 | 70869421  | 532.1   | 1200             | ug/ml |

## Report of Analysis

|                    |                              |           |                 |         |
|--------------------|------------------------------|-----------|-----------------|---------|
| Client:            | Portal Partners Tri-Venture  |           | Date Collected: |         |
| Project:           | Amtrak Sawtooth Bridges 2025 |           | Date Received:  |         |
| Client Sample ID:  | PB166219BSD                  |           | SDG No.:        | Q1194   |
| Lab Sample ID:     | PB166219BSD                  |           | Matrix:         | Water   |
| Analytical Method: | NJEPH                        |           | % Solid:        | 0       |
| Sample Wt/Vol:     | 1000                         | Units: mL | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                              | uL        | Test:           | EPH     |
| Prep Method :      | SW3510                       |           |                 |         |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FD048969.D | 1         | 01/28/25    | 01/28/25        | PB166219      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 195   |           | 3.32     | 20.0       | ug/l    |
| Aromatic C12-C16  | Aromatic C12-C16          | 331   |           | 3.69     | 30.0       | ug/l    |
| Aromatic C16-C21  | Aromatic C16-C21          | 661   |           | 12.7     | 50.0       | ug/l    |
| Aromatic C21-C36  | Aromatic C21-C36          | 1070  |           | 25.2     | 80.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 58.0  |           | 40 - 140 | 116%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 62.2  |           | 40 - 140 | 124%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 49.1  |           | 40 - 140 | 98%        | SPK: 50 |





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**Quantitation Report For Aromatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB166219BSD | Acq On:            | 28 Jan 2025 16:55 |
| Client Sample ID: | PB166219BSD | Operator:          | YP/AJ             |
| Data file:        | FD048969.D  | Misc:              |                   |
| Instrument:       | FID_D       | ALS Vial:          | 63                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.075  | 5.794  | 15142688  | 97.55   | 200              | ug/ml |
| Aromatic C12-C16          | 5.795  | 8.400  | 26920976  | 165.962 | 300              | ug/ml |
| Aromatic C16-C21          | 8.401  | 12.666 | 51121780  | 330.568 | 500              | ug/ml |
| Aromatic C21-C36          | 12.667 | 18.077 | 76213176  | 534.818 | 800              | ug/ml |
| Aromatic EPH              | 4.075  | 18.077 | 169398620 | 1130    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.244 | 11.244 | 8077333   | 49.12   |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.358  | 7.358  | 8254516   | 58      |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.209  | 8.209  | 5291934   | 62.19   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | B-110-SB01MS                 | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-01MS                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3         |
| Sample Wt/Vol:     | 30.08      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 19:40  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.38  |           | 1        | 0.43 | 1.13       | mg/kg FG015191.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 7.50  |           | 1        | 0.27 | 0.75       | mg/kg FG015191.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 11.2  |           | 1        | 0.34 | 1.13       | mg/kg FG015191.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 14.6  |           | 1        | 0.90 | 1.51       | mg/kg FG015191.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 24.3  |           | 1        | 2.03 | 2.26       | mg/kg FG015191.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 6.80  |           | 1        | 0.34 | 0.75       | mg/kg FF015334.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 14.3  |           | 1        | 0.38 | 1.13       | mg/kg FF015334.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 25.6  |           | 1        | 1.08 | 1.88       | mg/kg FF015334.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 32.6  |           | 1        | 2.26 | 3.01       | mg/kg FF015334.D  |
| Total AliphaticEPH | Total AliphaticEPH | 66.0  |           |          | 3.97 | 6.78       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 79.3  |           |          | 4.06 | 6.77       | mg/kg             |
| Total EPH          | Total EPH          | 145   |           |          | 8.04 | 13.6       | mg/kg             |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-110-SB01MS                 | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01MS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.08      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015334.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 6.80  |           | 0.34     | 0.75       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 14.3  |           | 0.38     | 1.13       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 25.6  |           | 1.08     | 1.88       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 32.6  |           | 2.26     | 3.01       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 54.1  |           | 40 - 140 | 108%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 54.3  |           | 40 - 140 | 109%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 35.2  |           | 40 - 140 | 70%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01MS | Acq On:            | 28 Jan 2025 19:40 |
| Client Sample ID: | Q1194-01MS | Operator:          | YP\AJ             |
| Data file:        | FF015334.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 71                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 14492019  | 90.367  | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 30486200  | 190.151 | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 53272819  | 339.999 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 63071614  | 433.201 | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 161322652 | 1050    |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.993  | 7.993  | 7140254   | 54.09   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.866  | 8.866  | 4584114   | 54.31   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.929 | 11.929 | 6065574   | 35.24   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-110-SB01MS                 | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01MS                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.08      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015191.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc.             | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------------------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |                   |           |          |            |         |
|                   | Aliphatic C9-C12          | Aliphatic C9-C12  | 8.38      | 0.43     | 1.13       | mg/kg   |
|                   | Aliphatic C12-C16         | Aliphatic C12-C16 | 7.50      | 0.27     | 0.75       | mg/kg   |
|                   | Aliphatic C16-C21         | Aliphatic C16-C21 | 11.2      | 0.34     | 1.13       | mg/kg   |
|                   | Aliphatic C21-C28         | Aliphatic C21-C28 | 14.6      | 0.90     | 1.51       | mg/kg   |
|                   | Aliphatic C28-C40         | Aliphatic C28-C40 | 24.3      | 2.03     | 2.26       | mg/kg   |
| <b>SURROGATES</b> |                           |                   |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.8              |           | 40 - 140 | 80%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00              |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01MS   | Acq On:            | 28 Jan 2025 19:40 |
| Client Sample ID: | B-110-SB01MS | Operator:          | YP\AJ             |
| Data file:        | FG015191.D   | Misc:              |                   |
| Instrument:       | FID_G        | ALS Vial:          | 22                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 14792599  | 111.316 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 14065783  | 99.609  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 21464089  | 148.521 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 26422998  | 193.281 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 34019941  | 322.188 | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 110765410 | 874.915 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 4847143   | 39.81   |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 76745469  | 552.727 | 1200             | ug/ml |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |              |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |              |
| Client Sample ID:  | B-110-SB01MSD                | SDG No.:        | Q1194        |
| Lab Sample ID:     | Q1194-01MSD                  | Matrix:         | Solid        |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3         |
| Sample Wt/Vol:     | 30.05      Units: g          | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH          |
| Prep Method :      |                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 01/28/25 08:30 | 01/28/25 20:08  | PB166218      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.23  |           | 1        | 0.43 | 1.13       | mg/kg FG015192.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 7.39  |           | 1        | 0.27 | 0.75       | mg/kg FG015192.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 11.1  |           | 1        | 0.34 | 1.13       | mg/kg FG015192.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 14.5  |           | 1        | 0.90 | 1.51       | mg/kg FG015192.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 24.5  |           | 1        | 2.04 | 2.26       | mg/kg FG015192.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 6.92  |           | 1        | 0.34 | 0.75       | mg/kg FF015335.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 15.8  |           | 1        | 0.38 | 1.13       | mg/kg FF015335.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 23.1  |           | 1        | 1.09 | 1.88       | mg/kg FF015335.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 33.4  |           | 1        | 2.26 | 3.01       | mg/kg FF015335.D  |
| Total AliphaticEPH | Total AliphaticEPH | 65.7  |           |          | 3.98 | 6.78       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 79.2  |           |          | 4.07 | 6.77       | mg/kg             |
| Total EPH          | Total EPH          | 145   |           |          | 8.06 | 13.6       | mg/kg             |

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

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-110-SB01MSD                | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01MSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.05      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015335.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 6.92  |           | 0.34     | 0.75       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 15.8  |           | 0.38     | 1.13       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 23.1  |           | 1.09     | 1.88       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 33.4  |           | 2.26     | 3.01       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 55.2  |           | 40 - 140 | 110%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 55.3  |           | 40 - 140 | 111%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 35.9  |           | 40 - 140 | 72%        | SPK: 50 |





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**Quantitation Report For Aromatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01MSD | Acq On:            | 28 Jan 2025 20:08 |
| Client Sample ID: | Q1194-01MSD | Operator:          | YP\AJ             |
| Data file:        | FF015335.D  | Misc:              |                   |
| Instrument:       | FID_F       | ALS Vial:          | 72                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.485  | 6.355  | 14732048  | 91.863  | 200              | ug/ml |
| Aromatic C12-C16          | 6.356  | 9.053  | 33687730  | 210.12  | 300              | ug/ml |
| Aromatic C16-C21          | 9.054  | 13.372 | 48072033  | 306.807 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.824 | 64483861  | 442.9   | 800              | ug/ml |
| Aromatic EPH              | 4.485  | 18.824 | 160975672 | 1050    |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.992  | 7.992  | 7289072   | 55.22   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.866  | 8.866  | 4671163   | 55.34   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.929 | 11.929 | 6186547   | 35.94   |                  | ug/ml |

## Report of Analysis

|                    |                              |                 |                      |
|--------------------|------------------------------|-----------------|----------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected: |                      |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:  |                      |
| Client Sample ID:  | B-110-SB01MSD                | SDG No.:        | Q1194                |
| Lab Sample ID:     | Q1194-01MSD                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                        | % Solid:        | 88.3                 |
| Sample Wt/Vol:     | 30.05      Units:    g       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH                  |
| Prep Method :      |                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015192.D | 1         | 01/28/25    | 01/28/25        | PB166218      |

| CAS Number        | Parameter                 | Conc.             | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------------------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |                   |           |          |            |         |
|                   | Aliphatic C9-C12          | Aliphatic C9-C12  | 8.23      | 0.43     | 1.13       | mg/kg   |
|                   | Aliphatic C12-C16         | Aliphatic C12-C16 | 7.39      | 0.27     | 0.75       | mg/kg   |
|                   | Aliphatic C16-C21         | Aliphatic C16-C21 | 11.1      | 0.34     | 1.13       | mg/kg   |
|                   | Aliphatic C21-C28         | Aliphatic C21-C28 | 14.5      | 0.90     | 1.51       | mg/kg   |
|                   | Aliphatic C28-C40         | Aliphatic C28-C40 | 24.5      | 2.04     | 2.26       | mg/kg   |
| <b>SURROGATES</b> |                           |                   |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.0              |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00              |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |               |                    |                   |
|-------------------|---------------|--------------------|-------------------|
| Lab Sample ID:    | Q1194-01MSD   | Acq On:            | 28 Jan 2025 20:08 |
| Client Sample ID: | B-110-SB01MSD | Operator:          | YP\AJ             |
| Data file:        | FG015192.D    | Misc:              |                   |
| Instrument:       | FID_G         | ALS Vial:          | 23                |
| Dilution Factor:  | 1             | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.178  | 6.820  | 14513284  | 109.214 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.821  | 10.273 | 13835543  | 97.979  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.274 | 13.656 | 21260708  | 147.114 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.657 | 17.330 | 26335525  | 192.641 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.331 | 22.272 | 34291567  | 324.76  | 600              | ug/ml |
| Aliphatic EPH             | 3.178  | 22.272 | 110236627 | 871.708 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.384 | 13.384 | 4747788   | 38.99   |                  | ug/ml |
| Aliphatic C9-C28          | 3.178  | 17.330 | 75945060  | 546.948 | 1200             | ug/ml |



# CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC012425AL

**AreaCount**

| Parameter Range   | FC068103.D    | FC068104.D    | FC068105.D   | FC068106.D   | FC068107.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 39119921.000  | 19595370.000  | 8560674.000  | 4475977.000  | 2092923.000  |  |
| Aliphatic C12-C16 | 26002482.000  | 13035277.000  | 5712859.000  | 2968256.000  | 1369659.000  |  |
| Aliphatic C16-C21 | 37691789.000  | 18971800.000  | 8404107.000  | 4402241.000  | 2042530.000  |  |
| Aliphatic C21-C28 | 46742612.000  | 23877310.000  | 10488572.000 | 5543696.000  | 2601900.000  |  |
| Aliphatic C28-C40 | 54828663.000  | 28773658.000  | 12627086.000 | 6741853.000  | 3399332.000  |  |
| Aliphatic EPH     | 204385467.000 | 104253415.000 | 45793298.000 | 24132023.000 | 11506344.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 138488.1739998 | 5.827 |  |  |  |  |
| Aliphatic C12-C16 | 137713.071     | 5.793 |  |  |  |  |
| Aliphatic C16-C21 | 135019.2893328 | 6.678 |  |  |  |  |
| Aliphatic C21-C28 | 127207.526     | 7.047 |  |  |  |  |
| Aliphatic C28-C40 | 103638.8596662 | 9.431 |  |  |  |  |
| Aliphatic EPH     | 123700.6552216 | 7.023 |  |  |  |  |

**Concentration**

| Parameter Range   | FC068103.D | FC068104.D | FC068105.D | FC068106.D | FC068107.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   | FC068103.D    | FC068104.D    | FC068105.D    | FC068106.D    | FC068107.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 130399.736666 | 130635.800000 | 142677.900000 | 149199.233333 | 139528.200000 |  |
| Aliphatic C12-C16 | 130012.410000 | 130352.770000 | 142821.475000 | 148412.800000 | 136965.900000 |  |
| Aliphatic C16-C21 | 125639.296666 | 126478.666666 | 140068.450000 | 146741.366666 | 136168.666666 |  |

Initial Calibration Report for SequenceID : FC012425AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 116856.530000 | 119386.550000 | 131107.150000 | 138592.400000 | 130095.000000 |  |
| Aliphatic C28-C40 | 91381.105000  | 95912.193333  | 105225.716666 | 112364.216666 | 113311.066666 |  |
| Aliphatic EPH     | 113547.481666 | 115837.127777 | 127203.605555 | 134066.794444 | 127848.266666 |  |

Initial Calibration Report for SequenceID : FD012425AR

**AreaCount**

| Parameter Range  | FD048945.D    | FD048946.D    | FD048947.D   | FD048948.D   | FD048949.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 30613634.000  | 15394701.000  | 6122051.000  | 3223218.000  | 1549258.000  |  |
| Aromatic C12-C16 | 46428964.000  | 23585820.000  | 9503278.000  | 5073670.000  | 2573200.000  |  |
| Aromatic C16-C21 | 61020495.000  | 30945609.000  | 12177178.000 | 6382159.000  | 3083864.000  |  |
| Aromatic C21-C36 | 126755619.000 | 64546927.000  | 25163411.000 | 13252912.000 | 6353375.000  |  |
| Aromatic EPH     | 264818712.000 | 134473057.000 | 52965918.000 | 27931959.000 | 13559697.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 155230.631     | 2.193 |  |  |  |  |
| Aromatic C12-C16 | 162211.7959996 | 4.672 |  |  |  |  |
| Aromatic C16-C21 | 154648.2365    | 1.902 |  |  |  |  |
| Aromatic C21-C36 | 142502.9217772 | 2.084 |  |  |  |  |
| Aromatic EPH     | 149900.8828886 | 2.214 |  |  |  |  |

**Concentration**

| Parameter Range  | FD048945.D | FD048946.D | FD048947.D | FD048948.D | FD048949.D |  |
|------------------|------------|------------|------------|------------|------------|--|
| Aromatic C10-C12 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aromatic C12-C16 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aromatic C16-C21 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aromatic C21-C36 | 900.000    | 450.000    | 180.000    | 90.000     | 45.000     |  |
| Aromatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range  | FD048945.D    | FD048946.D    | FD048947.D    | FD048948.D    | FD048949.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 153068.170000 | 153947.010000 | 153051.275000 | 161160.900000 | 154925.800000 |  |
| Aromatic C12-C16 | 154763.213333 | 157238.800000 | 158387.966666 | 169122.333333 | 171546.666666 |  |
| Aromatic C16-C21 | 152551.237500 | 154728.045000 | 152214.725000 | 159553.975000 | 154193.200000 |  |
| Aromatic C21-C36 | 140839.576666 | 143437.615555 | 139796.727777 | 147254.577777 | 141186.111111 |  |
| Aromatic EPH     | 147121.506666 | 149414.507777 | 147127.550000 | 155177.550000 | 150663.300000 |  |

Initial Calibration Report for SequenceID : FF011425AR

**AreaCount**

| Parameter Range  | FF015238.D    | FF015239.D    | FF015240.D   | FF015241.D   | FF015242.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 30965620.000  | 15769068.000  | 6560469.000  | 3276731.000  | 1614787.000  |  |
| Aromatic C12-C16 | 47800506.000  | 24008637.000  | 9928159.000  | 4881993.000  | 2310555.000  |  |
| Aromatic C16-C21 | 60600751.000  | 30656802.000  | 12907218.000 | 6448234.000  | 3121870.000  |  |
| Aromatic C21-C36 | 124937823.000 | 63025276.000  | 26734403.000 | 13637803.000 | 6706840.000  |  |
| Aromatic EPH     | 264304700.000 | 133459783.000 | 56130249.000 | 28244761.000 | 13754052.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 160369.151     | 2.502 |  |  |  |  |
| Aromatic C12-C16 | 160326.4033332 | 2.662 |  |  |  |  |
| Aromatic C16-C21 | 156685.0925    | 2.87  |  |  |  |  |
| Aromatic C21-C36 | 145594.4933328 | 3.95  |  |  |  |  |
| Aromatic EPH     | 152156.0178884 | 2.948 |  |  |  |  |

**Concentration**

| Parameter Range  | FF015238.D | FF015239.D | FF015240.D | FF015241.D | FF015242.D |  |
|------------------|------------|------------|------------|------------|------------|--|
| Aromatic C10-C12 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aromatic C12-C16 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aromatic C16-C21 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aromatic C21-C36 | 900.000    | 450.000    | 180.000    | 90.000     | 45.000     |  |
| Aromatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range  | FF015238.D    | FF015239.D    | FF015240.D    | FF015241.D    | FF015242.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 154828.100000 | 157690.680000 | 164011.725000 | 163836.550000 | 161478.700000 |  |
| Aromatic C12-C16 | 159335.020000 | 160057.580000 | 165469.316666 | 162733.100000 | 154037.000000 |  |
| Aromatic C16-C21 | 151501.877500 | 153284.010000 | 161340.225000 | 161205.850000 | 156093.500000 |  |
| Aromatic C21-C36 | 138819.803333 | 140056.168888 | 148524.461111 | 151531.144444 | 149040.888888 |  |
| Aromatic EPH     | 146835.944444 | 148288.647777 | 155917.358333 | 156915.338888 | 152822.800000 |  |



Initial Calibration Report for SequenceID : FG011425AL

**AreaCount**

| Parameter Range   | FG015065.D    | FG015066.D    | FG015067.D   | FG015068.D   | FG015069.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 37338222.000  | 18885892.000  | 8024842.000  | 4337273.000  | 2036305.000  |  |
| Aliphatic C12-C16 | 26609204.000  | 13446955.000  | 5681659.000  | 3063045.000  | 1433400.000  |  |
| Aliphatic C16-C21 | 40794587.000  | 20648058.000  | 8740875.000  | 4708602.000  | 2194851.000  |  |
| Aliphatic C21-C28 | 51414694.000  | 26225278.000  | 11042694.000 | 5907986.000  | 2762843.000  |  |
| Aliphatic C28-C40 | 57555754.000  | 29937954.000  | 12725662.000 | 6876373.000  | 3347374.000  |  |
| Aliphatic EPH     | 213712461.000 | 109144137.000 | 46215732.000 | 24893279.000 | 11774773.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 132888.6973328 | 6.129 |  |  |  |  |
| Aliphatic C12-C16 | 141209.859     | 5.709 |  |  |  |  |
| Aliphatic C16-C21 | 144518.7453332 | 5.781 |  |  |  |  |
| Aliphatic C21-C28 | 136707.72      | 5.456 |  |  |  |  |
| Aliphatic C28-C40 | 105590.3939996 | 7.402 |  |  |  |  |
| Aliphatic EPH     | 127500.8494442 | 6.127 |  |  |  |  |

**Concentration**

| Parameter Range   | FG015065.D | FG015066.D | FG015067.D | FG015068.D | FG015069.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   | FG015065.D    | FG015066.D    | FG015067.D    | FG015068.D    | FG015069.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 124460.740000 | 125905.946666 | 133747.366666 | 144575.766666 | 135753.666666 |  |
| Aliphatic C12-C16 | 133046.020000 | 134469.550000 | 142041.475000 | 153152.250000 | 143340.000000 |  |
| Aliphatic C16-C21 | 135981.956666 | 137653.720000 | 145681.250000 | 156953.400000 | 146323.400000 |  |

Initial Calibration Report for SequenceID : FG011425AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 128536.735000 | 131126.390000 | 138033.675000 | 147699.650000 | 138142.150000 |  |
| Aliphatic C28-C40 | 95926.256666  | 99793.180000  | 106047.183333 | 114606.216666 | 111579.133333 |  |
| Aliphatic EPH     | 118729.145000 | 121271.263333 | 128377.033333 | 138295.994444 | 130830.811111 |  |

Continuing Calibration Report for SequenceID : FC012825AL

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

File ID : FC068132.D

|                   |              |         |        |        |            |            |       |
|-------------------|--------------|---------|--------|--------|------------|------------|-------|
| Aliphatic EPH     | 41511557.000 | 360.000 | 3.129  | 21.605 | 115309.881 | 123700.655 | 6.783 |
| Aliphatic C9-C12  | 7659890.000  | 60.000  | 3.129  | 6.397  | 127664.833 | 138488.174 | 7.815 |
| Aliphatic C12-C16 | 5096643.000  | 40.000  | 6.398  | 9.782  | 127416.075 | 137713.071 | 7.477 |
| Aliphatic C16-C21 | 7434215.000  | 60.000  | 9.783  | 13.137 | 123903.583 | 135019.289 | 8.233 |
| Aliphatic C21-C28 | 9356083.000  | 80.000  | 13.138 | 16.791 | 116951.038 | 127207.526 | 8.063 |
| Aliphatic C28-C40 | 11964726.000 | 120.000 | 16.792 | 21.605 | 99706.050  | 103638.860 | 3.795 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Jan 2025 15:06 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068132.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.129  | 6.397  | 7659890.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.398  | 9.782  | 5096643.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.783  | 13.137 | 7434215.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.138 | 16.791 | 9356083.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 16.792 | 21.605 | 11964726.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.129  | 21.605 | 41511557.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FC012825AL

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

File ID : FC068141.D

|                   |              |         |        |        |            |            |       |
|-------------------|--------------|---------|--------|--------|------------|------------|-------|
| Aliphatic EPH     | 42381773.000 | 360.000 | 3.129  | 21.605 | 117727.147 | 123700.655 | 4.829 |
| Aliphatic C9-C12  | 7788410.000  | 60.000  | 3.129  | 6.397  | 129806.833 | 138488.174 | 6.269 |
| Aliphatic C12-C16 | 5151715.000  | 40.000  | 6.398  | 9.782  | 128792.875 | 137713.071 | 6.477 |
| Aliphatic C16-C21 | 7539228.000  | 60.000  | 9.783  | 13.137 | 125653.800 | 135019.289 | 6.936 |
| Aliphatic C21-C28 | 9526036.000  | 80.000  | 13.138 | 16.791 | 119075.450 | 127207.526 | 6.393 |
| Aliphatic C28-C40 | 12376384.000 | 120.000 | 16.792 | 21.605 | 103136.533 | 103638.860 | 0.485 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Jan 2025 21:12 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068141.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.129  | 6.397  | 7788410.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.398  | 9.782  | 5151715.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.783  | 13.137 | 7539228.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.138 | 16.791 | 9526036.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 16.792 | 21.605 | 12376384.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.129  | 21.605 | 42381773.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FD012825AR

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

File ID : FD048966.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C12-C16 | 9924062.000  | 60.000  | 5.795  | 8.400  | 165401.033 | 162211.796 | -1.966 |
| Aromatic C16-C21 | 12250818.000 | 80.000  | 8.401  | 12.666 | 153135.225 | 154648.237 | 0.978  |
| Aromatic C21-C36 | 26642499.000 | 180.000 | 12.667 | 18.077 | 148013.883 | 142502.922 | -3.867 |
| Aromatic EPH     | 55294847.000 | 360.000 | 4.075  | 18.077 | 153596.797 | 149900.883 | -2.466 |
| Aromatic C10-C12 | 6477468.000  | 40.000  | 4.075  | 5.794  | 161936.700 | 155230.631 | -4.320 |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 28 Jan 2025 15:06 |
| Client Sample ID: |                    | Operator:          | YP/AJ             |
| Data file:        | FD048966.D         | Misc:              |                   |
| Instrument:       | FID_D              | ALS Vial:          | 52                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.075  | 5.794  | 6477468.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 5.795  | 8.400  | 9924062.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 8.401  | 12.666 | 12250818.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 12.667 | 18.077 | 26642499.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.075  | 18.077 | 55294847.000 | 360.000 | ug/ml |



Continuing Calibration Report for SequenceID : FD012825AR

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

File ID : FD048975.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C12-C16 | 9985859.000  | 60.000  | 5.795  | 8.400  | 166430.983 | 162211.796 | -2.601 |
| Aromatic C16-C21 | 12307844.000 | 80.000  | 8.401  | 12.666 | 153848.050 | 154648.237 | 0.517  |
| Aromatic C21-C36 | 26576852.000 | 180.000 | 12.667 | 18.077 | 147649.178 | 142502.922 | -3.611 |
| Aromatic EPH     | 55347488.000 | 360.000 | 4.075  | 18.077 | 153743.022 | 149900.883 | -2.563 |
| Aromatic C10-C12 | 6476933.000  | 40.000  | 4.075  | 5.794  | 161923.325 | 155230.631 | -4.311 |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 28 Jan 2025 21:12 |
| Client Sample ID: |                    | Operator:          | YP/AJ             |
| Data file:        | FD048975.D         | Misc:              |                   |
| Instrument:       | FID_D              | ALS Vial:          | 52                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.075  | 5.794  | 6476933.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 5.795  | 8.400  | 9985859.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 8.401  | 12.666 | 12307844.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 12.667 | 18.077 | 26576852.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.075  | 18.077 | 55347488.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FF012825AR

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

File ID : FF015325.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 6827875.000  | 40.000  | 4.485  | 6.355  | 170696.875 | 160369.151 | -6.440 |
| Aromatic C12-C16 | 9997025.000  | 60.000  | 6.356  | 9.053  | 166617.083 | 160326.403 | -3.924 |
| Aromatic C16-C21 | 12162785.000 | 80.000  | 9.054  | 13.372 | 152034.813 | 156685.093 | 2.968  |
| Aromatic C21-C36 | 25021267.000 | 180.000 | 13.373 | 18.824 | 139007.039 | 145594.493 | 4.525  |
| Aromatic EPH     | 54008952.000 | 360.000 | 4.485  | 18.824 | 150024.867 | 152156.018 | 1.401  |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 28 Jan 2025 14:00 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FF015325.D         | Misc:              |                   |
| Instrument:       | FID_F              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.485  | 6.355  | 6827875.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.356  | 9.053  | 9997025.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.054  | 13.372 | 12162785.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.824 | 25021267.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.485  | 18.824 | 54008952.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FF012825AR

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

File ID : FF015340.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 6826376.000  | 40.000  | 4.485  | 6.355  | 170659.400 | 160369.151 | -6.417 |
| Aromatic C12-C16 | 9928652.000  | 60.000  | 6.356  | 9.053  | 165477.533 | 160326.403 | -3.213 |
| Aromatic C16-C21 | 12128232.000 | 80.000  | 9.054  | 13.372 | 151602.900 | 156685.093 | 3.244  |
| Aromatic C21-C36 | 25569173.000 | 180.000 | 13.373 | 18.824 | 142050.961 | 145594.493 | 2.434  |
| Aromatic EPH     | 54452433.000 | 360.000 | 4.485  | 18.824 | 151256.758 | 152156.018 | 0.591  |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 28 Jan 2025 22:59 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FF015340.D         | Misc:              |                   |
| Instrument:       | FID_F              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.485  | 6.355  | 6826376.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.356  | 9.053  | 9928652.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.054  | 13.372 | 12128232.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.824 | 25569173.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.485  | 18.824 | 54452433.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FF012925AR

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

File ID : FF015352.D

|                  |              |         |        |        |            |            |         |
|------------------|--------------|---------|--------|--------|------------|------------|---------|
| Aromatic C10-C12 | 7060922.000  | 40.000  | 4.500  | 6.368  | 176523.050 | 160369.151 | -10.073 |
| Aromatic C12-C16 | 10213821.000 | 60.000  | 6.369  | 9.062  | 170230.350 | 160326.403 | -6.177  |
| Aromatic C16-C21 | 12400069.000 | 80.000  | 9.063  | 13.376 | 155000.863 | 156685.093 | 1.075   |
| Aromatic C21-C36 | 26284946.000 | 180.000 | 13.377 | 18.826 | 146027.478 | 145594.493 | -0.297  |
| Aromatic EPH     | 55959758.000 | 360.000 | 4.500  | 18.826 | 155443.772 | 152156.018 | -2.161  |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 29 Jan 2025 09:16 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FF015352.D         | Misc:              |                   |
| Instrument:       | FID_F              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.500  | 6.368  | 7060922.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.369  | 9.062  | 10213821.000 | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.063  | 13.376 | 12400069.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.377 | 18.826 | 26284946.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.500  | 18.826 | 55959758.000 | 360.000 | ug/ml |



Continuing Calibration Report for SequenceID : FF012925AR

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

File ID : FF015359.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 6826723.000  | 40.000  | 4.500  | 6.368  | 170668.075 | 160369.151 | -6.422 |
| Aromatic C12-C16 | 9825201.000  | 60.000  | 6.369  | 9.062  | 163753.350 | 160326.403 | -2.137 |
| Aromatic C16-C21 | 11801724.000 | 80.000  | 9.063  | 13.376 | 147521.550 | 156685.093 | 5.848  |
| Aromatic C21-C36 | 25508347.000 | 180.000 | 13.377 | 18.826 | 141713.039 | 145594.493 | 2.666  |
| Aromatic EPH     | 53961995.000 | 360.000 | 4.500  | 18.826 | 149894.431 | 152156.018 | 1.486  |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 29 Jan 2025 12:39 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FF015359.D         | Misc:              |                   |
| Instrument:       | FID_F              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.500  | 6.368  | 6826723.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.369  | 9.062  | 9825201.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.063  | 13.376 | 11801724.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.377 | 18.826 | 25508347.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.500  | 18.826 | 53961995.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG012825AL

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

File ID : FG015182.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7819920.000  | 60.000  | 3.178  | 6.820  | 130332.000 | 132888.697 | 1.924  |
| Aliphatic C12-C16 | 5548295.000  | 40.000  | 6.821  | 10.273 | 138707.375 | 141209.859 | 1.772  |
| Aliphatic C16-C21 | 8448943.000  | 60.000  | 10.274 | 13.656 | 140815.717 | 144518.745 | 2.562  |
| Aliphatic C21-C28 | 10685002.000 | 80.000  | 13.657 | 17.330 | 133562.525 | 136707.720 | 2.301  |
| Aliphatic C28-C40 | 12783559.000 | 120.000 | 17.331 | 22.272 | 106529.658 | 105590.394 | -0.890 |
| Aliphatic EPH     | 45285719.000 | 360.000 | 3.178  | 22.272 | 125793.664 | 127500.849 | 1.339  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Jan 2025 14:00 |
| Client Sample ID: |                       | Operator:          | YPAJ              |
| Data file:        | FG015182.D            | Misc:              |                   |
| Instrument:       | FID_G                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.178  | 6.820  | 7819920.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.821  | 10.273 | 5548295.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.274 | 13.656 | 8448943.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.657 | 17.330 | 10685002.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.331 | 22.272 | 12783559.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.178  | 22.272 | 45285719.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG012825AL

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

File ID : FG015197.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7701724.000  | 60.000  | 3.178  | 6.820  | 128362.067 | 132888.697 | 3.406  |
| Aliphatic C12-C16 | 5462110.000  | 40.000  | 6.821  | 10.273 | 136552.750 | 141209.859 | 3.298  |
| Aliphatic C16-C21 | 8325655.000  | 60.000  | 10.274 | 13.656 | 138760.917 | 144518.745 | 3.984  |
| Aliphatic C21-C28 | 10490876.000 | 80.000  | 13.657 | 17.330 | 131135.950 | 136707.720 | 4.076  |
| Aliphatic C28-C40 | 12721706.000 | 120.000 | 17.331 | 22.272 | 106014.217 | 105590.394 | -0.401 |
| Aliphatic EPH     | 44702071.000 | 360.000 | 3.178  | 22.272 | 124172.419 | 127500.849 | 2.611  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Jan 2025 22:59 |
| Client Sample ID: |                       | Operator:          | YPAJ              |
| Data file:        | FG015197.D            | Misc:              |                   |
| Instrument:       | FID_G                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.178  | 6.820  | 7701724.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.821  | 10.273 | 5462110.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.274 | 13.656 | 8325655.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.657 | 17.330 | 10490876.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.331 | 22.272 | 12721706.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.178  | 22.272 | 44702071.000 | 360.000 | ug/ml |



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015332.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 18:43  
 Operator : YP\AJ  
 Sample : Q1194-01  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 B-110-SB01

Integration File: autoint1.e  
 Quant Time: Jan 29 00:49:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 15 07:05:42 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.992  | 6244647    | 47.308 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 94.62%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.864  | 3695410    | 43.780 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 87.56%       |
| 11) S ortho-Terphenyl (SURR)       | 11.929 | 5690388    | 33.056 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 66.11%       |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

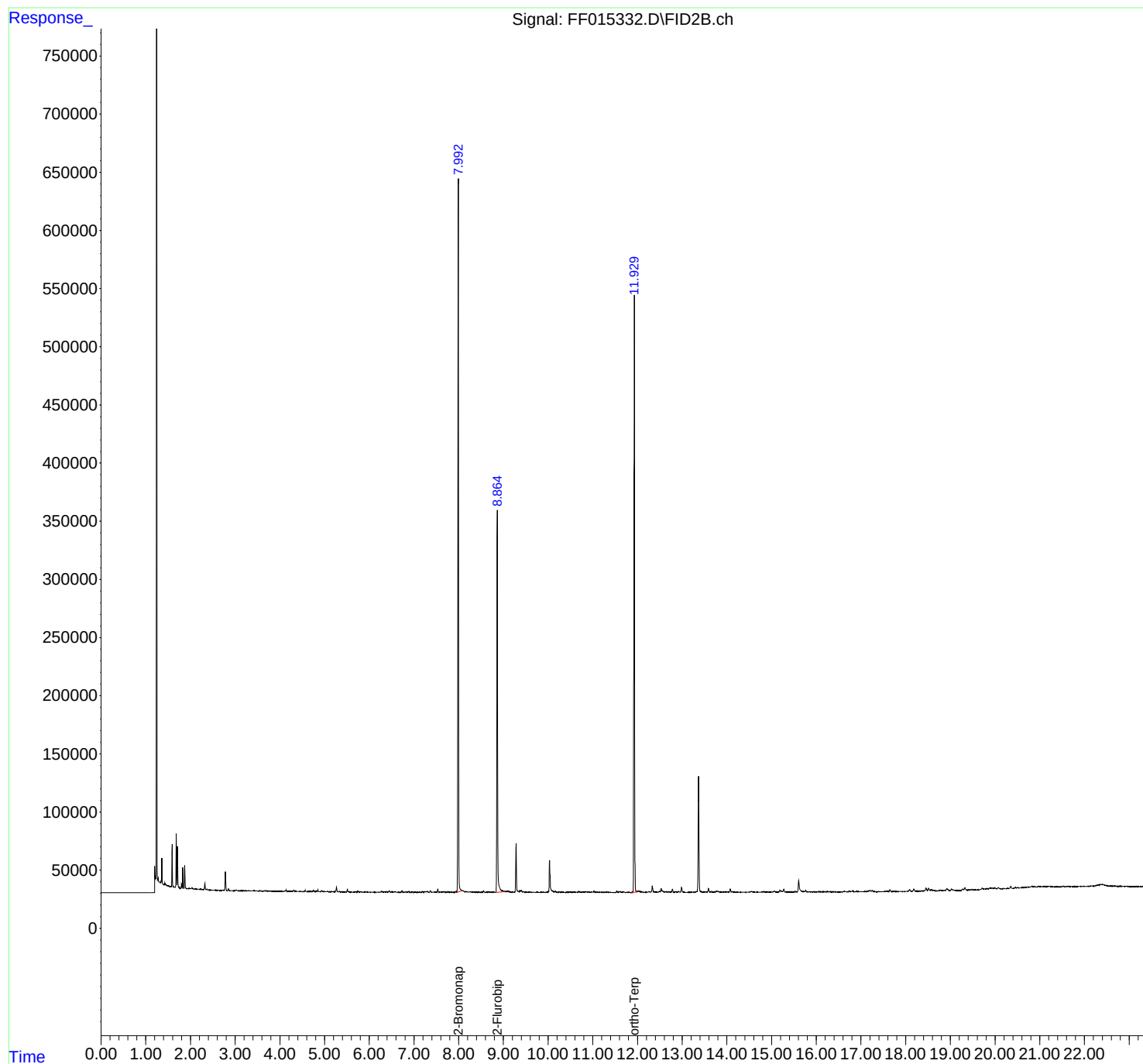


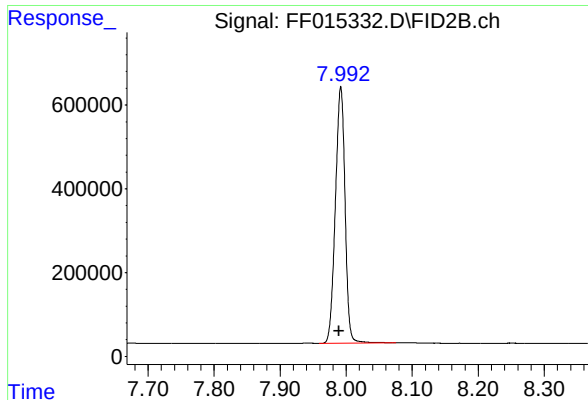
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015332.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 18:43  
Operator : YP\AJ  
Sample : Q1194-01  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
B-110-SB01

Integration File: autoint1.e  
Quant Time: Jan 29 00:49:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Wed Jan 15 07:05:42 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

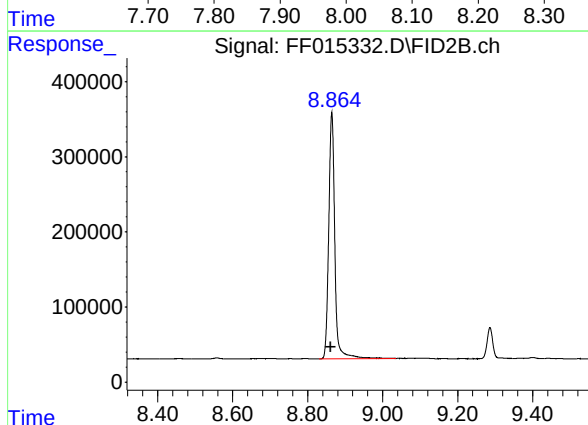




## #4 2-Bromonaphthalene (SURR)

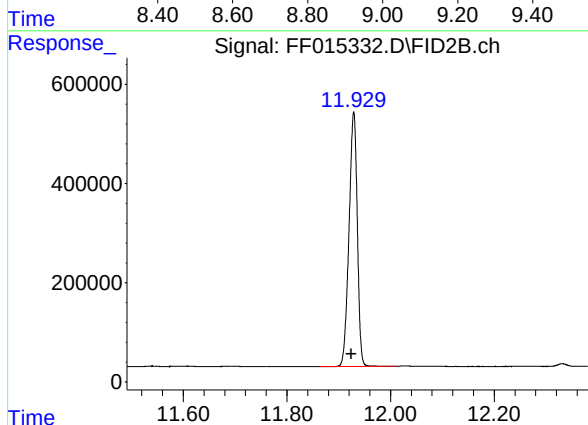
R.T.: 7.992 min  
Delta R.T.: 0.003 min  
Response: 6244647  
Conc: 47.31 ug/ml

Instrument :  
FID\_F  
ClientSampleId :  
B-110-SB01



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.864 min  
Delta R.T.: 0.003 min  
Response: 3695410  
Conc: 43.78 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.929 min  
Delta R.T.: 0.004 min  
Response: 5690388  
Conc: 33.06 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015332.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 18:43  
 Sample : Q1194-01  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.451       | 4.440        | 4.471      | VV       | 224            | 2530         | 0.04%          | 0.012%        |
| 2         | 4.511       | 4.497        | 4.521      | VV       | 174            | 1608         | 0.03%          | 0.008%        |
| 3         | 4.565       | 4.535        | 4.587      | PV       | 802            | 9954         | 0.16%          | 0.047%        |
| 4         | 4.603       | 4.587        | 4.639      | VV       | 188            | 4187         | 0.07%          | 0.020%        |
| 5         | 4.647       | 4.639        | 4.671      | VV       | 196            | 2438         | 0.04%          | 0.012%        |
| 6         | 4.694       | 4.671        | 4.717      | VV       | 458            | 6212         | 0.10%          | 0.030%        |
| 7         | 4.755       | 4.717        | 4.780      | PV       | 1156           | 17896        | 0.29%          | 0.085%        |
| 8         | 4.785       | 4.780        | 4.792      | VV       | 247            | 1531         | 0.02%          | 0.007%        |
| 9         | 4.817       | 4.798        | 4.833      | VV       | 900            | 9983         | 0.16%          | 0.047%        |
| 10        | 4.851       | 4.833        | 4.871      | VV       | 1705           | 18168        | 0.29%          | 0.086%        |
| 11        | 4.885       | 4.871        | 4.909      | VV       | 192            | 3209         | 0.05%          | 0.015%        |
| 12        | 4.929       | 4.909        | 4.972      | VV       | 899            | 18169        | 0.29%          | 0.086%        |
| 13        | 4.982       | 4.972        | 5.041      | VV       | 448            | 10386        | 0.17%          | 0.049%        |
| 14        | 5.060       | 5.041        | 5.107      | VV       | 514            | 8563         | 0.14%          | 0.041%        |
| 15        | 5.121       | 5.107        | 5.134      | VV       | 131            | 1629         | 0.03%          | 0.008%        |
| 16        | 5.140       | 5.134        | 5.153      | VV       | 148            | 1160         | 0.02%          | 0.006%        |
| 17        | 5.178       | 5.153        | 5.215      | VV       | 315            | 5956         | 0.10%          | 0.028%        |
| 18        | 5.241       | 5.222        | 5.248      | VV       | 587            | 6043         | 0.10%          | 0.029%        |
| 19        | 5.268       | 5.248        | 5.303      | VV       | 4051           | 48425        | 0.77%          | 0.230%        |
| 20        | 5.329       | 5.303        | 5.370      | VV       | 798            | 10326        | 0.16%          | 0.049%        |
| 21        | 5.388       | 5.370        | 5.431      | VV       | 180            | 2915         | 0.05%          | 0.014%        |
| 22        | 5.474       | 5.462        | 5.490      | VV       | 197            | 2121         | 0.03%          | 0.010%        |
| 23        | 5.510       | 5.490        | 5.556      | PV       | 2244           | 28034        | 0.45%          | 0.133%        |
| 24        | 5.561       | 5.556        | 5.575      | VV       | 138            | 1224         | 0.02%          | 0.006%        |
| 25        | 5.579       | 5.575        | 5.614      | VV       | 120            | 1415         | 0.02%          | 0.007%        |
| 26        | 5.668       | 5.646        | 5.687      | VV       | 166            | 2368         | 0.04%          | 0.011%        |
| 27        | 5.707       | 5.687        | 5.724      | VV       | 418            | 5038         | 0.08%          | 0.024%        |
| 28        | 5.748       | 5.724        | 5.768      | VV       | 1136           | 13462        | 0.22%          | 0.064%        |
| 29        | 5.779       | 5.768        | 5.790      | VV       | 191            | 1636         | 0.03%          | 0.008%        |
| 30        | 5.805       | 5.790        | 5.839      | VV       | 385            | 5434         | 0.09%          | 0.026%        |
| 31        | 5.853       | 5.839        | 5.860      | VV       | 119            | 1083         | 0.02%          | 0.005%        |
| 32        | 5.898       | 5.860        | 5.915      | VV       | 245            | 4681         | 0.07%          | 0.022%        |
| 33        | 5.961       | 5.939        | 5.999      | VV       | 204            | 4479         | 0.07%          | 0.021%        |
| 34        | 6.013       | 5.999        | 6.035      | VV       | 225            | 2725         | 0.04%          | 0.013%        |
| 35        | 6.046       | 6.035        | 6.079      | VV       | 169            | 2860         | 0.05%          | 0.014%        |
| 36        | 6.086       | 6.079        | 6.109      | VV       | 161            | 1290         | 0.02%          | 0.006%        |

|    |       |       |       |    | rt     | Area    | %Area   | %Area   |
|----|-------|-------|-------|----|--------|---------|---------|---------|
| 37 | 6.189 | 6.158 | 6.207 | VV | 173    | 2880    | 0.05%   | 0.014%  |
| 38 | 6.217 | 6.207 | 6.236 | VV | 220    | 2672    | 0.04%   | 0.013%  |
| 39 | 6.276 | 6.236 | 6.309 | VV | 928    | 17431   | 0.28%   | 0.083%  |
| 40 | 6.334 | 6.309 | 6.357 | VV | 467    | 9182    | 0.15%   | 0.044%  |
| 41 | 6.379 | 6.357 | 6.414 | VV | 858    | 14047   | 0.22%   | 0.067%  |
| 42 | 6.447 | 6.414 | 6.472 | VV | 1339   | 19999   | 0.32%   | 0.095%  |
| 43 | 6.475 | 6.472 | 6.489 | VV | 192    | 2015    | 0.03%   | 0.010%  |
| 44 | 6.502 | 6.489 | 6.513 | VV | 433    | 5359    | 0.09%   | 0.025%  |
| 45 | 6.517 | 6.513 | 6.549 | VV | 487    | 6126    | 0.10%   | 0.029%  |
| 46 | 6.578 | 6.549 | 6.603 | VV | 737    | 11293   | 0.18%   | 0.054%  |
| 47 | 6.619 | 6.612 | 6.649 | VV | 223    | 2667    | 0.04%   | 0.013%  |
| 48 | 6.654 | 6.649 | 6.671 | VV | 133    | 1054    | 0.02%   | 0.005%  |
| 49 | 6.732 | 6.704 | 6.762 | VV | 1465   | 17663   | 0.28%   | 0.084%  |
| 50 | 6.770 | 6.762 | 6.797 | VV | 186    | 3397    | 0.05%   | 0.016%  |
| 51 | 6.816 | 6.797 | 6.839 | VV | 625    | 8356    | 0.13%   | 0.040%  |
| 52 | 6.855 | 6.839 | 6.868 | VV | 443    | 4531    | 0.07%   | 0.022%  |
| 53 | 6.886 | 6.868 | 6.906 | VV | 1020   | 11628   | 0.19%   | 0.055%  |
| 54 | 6.920 | 6.906 | 6.940 | VV | 321    | 3750    | 0.06%   | 0.018%  |
| 55 | 6.961 | 6.940 | 6.980 | VV | 584    | 6363    | 0.10%   | 0.030%  |
| 56 | 7.060 | 7.030 | 7.084 | PV | 211    | 3346    | 0.05%   | 0.016%  |
| 57 | 7.114 | 7.084 | 7.139 | VV | 218    | 3735    | 0.06%   | 0.018%  |
| 58 | 7.186 | 7.165 | 7.215 | VV | 731    | 8517    | 0.14%   | 0.040%  |
| 59 | 7.241 | 7.215 | 7.258 | VV | 785    | 11107   | 0.18%   | 0.053%  |
| 60 | 7.263 | 7.258 | 7.275 | VV | 419    | 3865    | 0.06%   | 0.018%  |
| 61 | 7.289 | 7.275 | 7.340 | VV | 727    | 16610   | 0.27%   | 0.079%  |
| 62 | 7.368 | 7.340 | 7.424 | VV | 1479   | 25902   | 0.41%   | 0.123%  |
| 63 | 7.450 | 7.424 | 7.470 | VV | 418    | 7383    | 0.12%   | 0.035%  |
| 64 | 7.480 | 7.470 | 7.505 | VV | 341    | 3934    | 0.06%   | 0.019%  |
| 65 | 7.534 | 7.505 | 7.567 | VV | 2722   | 33786   | 0.54%   | 0.161%  |
| 66 | 7.593 | 7.567 | 7.607 | VV | 492    | 7036    | 0.11%   | 0.033%  |
| 67 | 7.610 | 7.607 | 7.631 | VV | 427    | 4792    | 0.08%   | 0.023%  |
| 68 | 7.642 | 7.631 | 7.655 | VV | 487    | 5007    | 0.08%   | 0.024%  |
| 69 | 7.676 | 7.655 | 7.701 | VV | 861    | 11532   | 0.18%   | 0.055%  |
| 70 | 7.716 | 7.701 | 7.724 | VV | 187    | 2092    | 0.03%   | 0.010%  |
| 71 | 7.739 | 7.724 | 7.753 | VV | 409    | 4709    | 0.08%   | 0.022%  |
| 72 | 7.768 | 7.753 | 7.792 | VV | 533    | 5874    | 0.09%   | 0.028%  |
| 73 | 7.804 | 7.792 | 7.813 | VV | 145    | 1001    | 0.02%   | 0.005%  |
| 74 | 7.835 | 7.813 | 7.876 | VV | 179    | 2973    | 0.05%   | 0.014%  |
| 75 | 7.890 | 7.876 | 7.901 | VV | 165    | 1606    | 0.03%   | 0.008%  |
| 76 | 7.912 | 7.901 | 7.923 | VV | 214    | 2012    | 0.03%   | 0.010%  |
| 77 | 7.942 | 7.923 | 7.960 | VV | 964    | 11321   | 0.18%   | 0.054%  |
| 78 | 7.992 | 7.960 | 8.044 | VV | 613103 | 6259178 | 100.00% | 29.738% |
| 79 | 8.049 | 8.044 | 8.079 | VV | 2631   | 41896   | 0.67%   | 0.199%  |
| 80 | 8.089 | 8.079 | 8.153 | VV | 1633   | 49061   | 0.78%   | 0.233%  |
| 81 | 8.172 | 8.153 | 8.197 | VV | 656    | 13500   | 0.22%   | 0.064%  |
| 82 | 8.206 | 8.197 | 8.228 | VV | 514    | 6842    | 0.11%   | 0.033%  |
| 83 | 8.250 | 8.228 | 8.279 | VV | 740    | 12786   | 0.20%   | 0.061%  |
| 84 | 8.305 | 8.279 | 8.327 | VV | 415    | 7563    | 0.12%   | 0.036%  |
| 85 | 8.347 | 8.327 | 8.353 | VV | 311    | 3994    | 0.06%   | 0.019%  |
| 86 | 8.356 | 8.353 | 8.372 | VV | 235    | 1827    | 0.03%   | 0.009%  |
| 87 | 8.378 | 8.372 | 8.383 | VV | 221    | 1153    | 0.02%   | 0.005%  |
| 88 | 8.386 | 8.383 | 8.430 | VV | 161    | 3339    | 0.05%   | 0.016%  |
| 89 | 8.456 | 8.430 | 8.489 | VV | 489    | 9438    | 0.15%   | 0.045%  |

|     |        |        |        |    |        |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
|     |        |        |        |    | rteres |         |        |         |
| 90  | 8.493  | 8.489  | 8.524  | VV | 233    | 3474    | 0.06%  | 0.017%  |
| 91  | 8.558  | 8.524  | 8.579  | VV | 1472   | 18628   | 0.30%  | 0.089%  |
| 92  | 8.588  | 8.579  | 8.604  | VV | 305    | 3416    | 0.05%  | 0.016%  |
| 93  | 8.611  | 8.604  | 8.617  | VV | 194    | 1208    | 0.02%  | 0.006%  |
| 94  | 8.672  | 8.617  | 8.689  | VV | 506    | 13857   | 0.22%  | 0.066%  |
| 95  | 8.703  | 8.689  | 8.735  | VV | 534    | 9428    | 0.15%  | 0.045%  |
| 96  | 8.754  | 8.735  | 8.775  | VV | 411    | 5979    | 0.10%  | 0.028%  |
| 97  | 8.793  | 8.775  | 8.830  | VV | 615    | 7953    | 0.13%  | 0.038%  |
| 98  | 8.864  | 8.830  | 9.007  | VV | 328118 | 3725742 | 59.52% | 17.701% |
| 99  | 9.017  | 9.007  | 9.036  | VV | 1111   | 17426   | 0.28%  | 0.083%  |
| 100 | 9.044  | 9.036  | 9.063  | VV | 862    | 12902   | 0.21%  | 0.061%  |
| 101 | 9.077  | 9.063  | 9.087  | VV | 951    | 12188   | 0.19%  | 0.058%  |
| 102 | 9.102  | 9.087  | 9.142  | VV | 1089   | 27620   | 0.44%  | 0.131%  |
| 103 | 9.164  | 9.142  | 9.183  | VV | 502    | 8986    | 0.14%  | 0.043%  |
| 104 | 9.212  | 9.183  | 9.237  | VV | 585    | 11602   | 0.19%  | 0.055%  |
| 105 | 9.245  | 9.237  | 9.250  | VV | 378    | 2447    | 0.04%  | 0.012%  |
| 106 | 9.286  | 9.250  | 9.354  | VV | 42179  | 471147  | 7.53%  | 2.238%  |
| 107 | 9.366  | 9.354  | 9.377  | VV | 1135   | 13456   | 0.21%  | 0.064%  |
| 108 | 9.401  | 9.377  | 9.425  | VV | 2015   | 33673   | 0.54%  | 0.160%  |
| 109 | 9.442  | 9.425  | 9.462  | VV | 980    | 14732   | 0.24%  | 0.070%  |
| 110 | 9.471  | 9.462  | 9.495  | VV | 564    | 7295    | 0.12%  | 0.035%  |
| 111 | 9.521  | 9.503  | 9.554  | VV | 462    | 6466    | 0.10%  | 0.031%  |
| 112 | 9.571  | 9.554  | 9.592  | VV | 450    | 6760    | 0.11%  | 0.032%  |
| 113 | 9.610  | 9.592  | 9.652  | VV | 363    | 7309    | 0.12%  | 0.035%  |
| 114 | 9.667  | 9.652  | 9.680  | VV | 363    | 4056    | 0.06%  | 0.019%  |
| 115 | 9.688  | 9.680  | 9.730  | VV | 314    | 4773    | 0.08%  | 0.023%  |
| 116 | 9.752  | 9.730  | 9.788  | VV | 740    | 11820   | 0.19%  | 0.056%  |
| 117 | 9.801  | 9.788  | 9.813  | VV | 125    | 1269    | 0.02%  | 0.006%  |
| 118 | 9.828  | 9.813  | 9.846  | VV | 266    | 3564    | 0.06%  | 0.017%  |
| 119 | 9.851  | 9.846  | 9.872  | VV | 162    | 1589    | 0.03%  | 0.008%  |
| 120 | 9.892  | 9.872  | 9.914  | VV | 352    | 4565    | 0.07%  | 0.022%  |
| 121 | 9.951  | 9.914  | 9.977  | VV | 222    | 4316    | 0.07%  | 0.021%  |
| 122 | 10.002 | 9.977  | 10.012 | VV | 1125   | 12261   | 0.20%  | 0.058%  |
| 123 | 10.034 | 10.012 | 10.145 | VV | 27476  | 412858  | 6.60%  | 1.962%  |
| 124 | 10.166 | 10.145 | 10.211 | VV | 1002   | 21129   | 0.34%  | 0.100%  |
| 125 | 10.234 | 10.211 | 10.293 | VV | 459    | 14166   | 0.23%  | 0.067%  |
| 126 | 10.310 | 10.293 | 10.315 | VV | 231    | 2430    | 0.04%  | 0.012%  |
| 127 | 10.340 | 10.315 | 10.359 | VV | 456    | 4903    | 0.08%  | 0.023%  |
| 128 | 10.395 | 10.377 | 10.428 | VV | 235    | 4563    | 0.07%  | 0.022%  |
| 129 | 10.446 | 10.428 | 10.457 | VV | 229    | 3122    | 0.05%  | 0.015%  |
| 130 | 10.494 | 10.457 | 10.527 | VV | 465    | 12060   | 0.19%  | 0.057%  |
| 131 | 10.560 | 10.527 | 10.577 | VV | 427    | 8836    | 0.14%  | 0.042%  |
| 132 | 10.591 | 10.577 | 10.615 | VV | 482    | 7879    | 0.13%  | 0.037%  |
| 133 | 10.647 | 10.615 | 10.660 | VV | 370    | 8084    | 0.13%  | 0.038%  |
| 134 | 10.687 | 10.660 | 10.712 | VV | 1223   | 16282   | 0.26%  | 0.077%  |
| 135 | 10.722 | 10.712 | 10.749 | VV | 342    | 5227    | 0.08%  | 0.025%  |
| 136 | 10.766 | 10.749 | 10.779 | VV | 508    | 6696    | 0.11%  | 0.032%  |
| 137 | 10.792 | 10.779 | 10.817 | VV | 514    | 8949    | 0.14%  | 0.043%  |
| 138 | 10.837 | 10.817 | 10.874 | VV | 602    | 15647   | 0.25%  | 0.074%  |
| 139 | 10.890 | 10.874 | 10.944 | VV | 540    | 16641   | 0.27%  | 0.079%  |
| 140 | 10.960 | 10.944 | 10.981 | VV | 454    | 7826    | 0.13%  | 0.037%  |
| 141 | 11.033 | 10.981 | 11.079 | VV | 1044   | 26138   | 0.42%  | 0.124%  |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 11.097 | 11.079 | 11.107 | VV | 301    | 3531    | 0.06%  | 0.017%  |
| 143 | 11.118 | 11.107 | 11.149 | VV | 291    | 5970    | 0.10%  | 0.028%  |
| 144 | 11.173 | 11.149 | 11.205 | VV | 359    | 8492    | 0.14%  | 0.040%  |
| 145 | 11.232 | 11.205 | 11.259 | VV | 294    | 7460    | 0.12%  | 0.035%  |
| 146 | 11.277 | 11.259 | 11.302 | VV | 299    | 6887    | 0.11%  | 0.033%  |
| 147 | 11.330 | 11.302 | 11.349 | VV | 519    | 9987    | 0.16%  | 0.047%  |
| 148 | 11.359 | 11.349 | 11.395 | VV | 307    | 5172    | 0.08%  | 0.025%  |
| 149 | 11.401 | 11.395 | 11.420 | VV | 168    | 1975    | 0.03%  | 0.009%  |
| 150 | 11.432 | 11.420 | 11.472 | VV | 158    | 2300    | 0.04%  | 0.011%  |
| 151 | 11.539 | 11.496 | 11.570 | VV | 1032   | 16533   | 0.26%  | 0.079%  |
| 152 | 11.610 | 11.570 | 11.642 | VV | 979    | 20375   | 0.33%  | 0.097%  |
| 153 | 11.687 | 11.642 | 11.752 | VV | 650    | 18523   | 0.30%  | 0.088%  |
| 154 | 11.769 | 11.752 | 11.789 | VV | 296    | 4511    | 0.07%  | 0.021%  |
| 155 | 11.805 | 11.789 | 11.862 | VV | 301    | 6442    | 0.10%  | 0.031%  |
| 156 | 11.929 | 11.862 | 11.987 | PV | 514229 | 5711822 | 91.26% | 27.137% |
| 157 | 12.001 | 11.987 | 12.010 | VV | 900    | 11820   | 0.19%  | 0.056%  |
| 158 | 12.028 | 12.010 | 12.060 | VV | 1457   | 28286   | 0.45%  | 0.134%  |
| 159 | 12.091 | 12.060 | 12.147 | VV | 876    | 25221   | 0.40%  | 0.120%  |
| 160 | 12.172 | 12.147 | 12.191 | VV | 326    | 6911    | 0.11%  | 0.033%  |
| 161 | 12.270 | 12.191 | 12.297 | VV | 809    | 27537   | 0.44%  | 0.131%  |
| 162 | 12.331 | 12.297 | 12.359 | VV | 5880   | 81680   | 1.30%  | 0.388%  |
| 163 | 12.373 | 12.359 | 12.395 | VV | 928    | 13299   | 0.21%  | 0.063%  |
| 164 | 12.413 | 12.395 | 12.462 | VV | 509    | 14466   | 0.23%  | 0.069%  |
| 165 | 12.494 | 12.462 | 12.509 | VV | 781    | 16457   | 0.26%  | 0.078%  |
| 166 | 12.530 | 12.509 | 12.622 | VV | 3334   | 84729   | 1.35%  | 0.403%  |
| 167 | 12.633 | 12.622 | 12.724 | VV | 609    | 30210   | 0.48%  | 0.144%  |
| 168 | 12.730 | 12.724 | 12.745 | VV | 488    | 5421    | 0.09%  | 0.026%  |
| 169 | 12.780 | 12.745 | 12.815 | VV | 2822   | 44889   | 0.72%  | 0.213%  |
| 170 | 12.855 | 12.815 | 12.897 | VV | 867    | 18025   | 0.29%  | 0.086%  |
| 171 | 12.919 | 12.897 | 12.940 | VV | 1039   | 14628   | 0.23%  | 0.070%  |
| 172 | 12.985 | 12.940 | 13.034 | VV | 4177   | 69214   | 1.11%  | 0.329%  |
| 173 | 13.039 | 13.034 | 13.121 | VV | 330    | 5609    | 0.09%  | 0.027%  |
| 174 | 13.202 | 13.121 | 13.223 | VV | 384    | 9607    | 0.15%  | 0.046%  |
| 175 | 13.244 | 13.223 | 13.264 | VV | 195    | 3664    | 0.06%  | 0.017%  |
| 176 | 13.288 | 13.264 | 13.302 | VV | 471    | 7304    | 0.12%  | 0.035%  |
| 177 | 13.323 | 13.302 | 13.332 | VV | 709    | 10163   | 0.16%  | 0.048%  |
| 178 | 13.365 | 13.332 | 13.468 | VV | 99943  | 1262720 | 20.17% | 5.999%  |
| 179 | 13.479 | 13.468 | 13.512 | VV | 347    | 7844    | 0.13%  | 0.037%  |
| 180 | 13.532 | 13.512 | 13.560 | VV | 483    | 9886    | 0.16%  | 0.047%  |
| 181 | 13.588 | 13.560 | 13.624 | VV | 3308   | 51212   | 0.82%  | 0.243%  |
| 182 | 13.648 | 13.624 | 13.691 | VV | 523    | 15755   | 0.25%  | 0.075%  |
| 183 | 13.711 | 13.691 | 13.721 | VV | 419    | 6126    | 0.10%  | 0.029%  |
| 184 | 13.729 | 13.721 | 13.745 | VV | 383    | 5181    | 0.08%  | 0.025%  |
| 185 | 13.770 | 13.745 | 13.867 | VV | 1038   | 44283   | 0.71%  | 0.210%  |
| 186 | 13.870 | 13.867 | 13.893 | VV | 335    | 3753    | 0.06%  | 0.018%  |
| 187 | 13.940 | 13.893 | 13.962 | VV | 539    | 14595   | 0.23%  | 0.069%  |
| 188 | 13.983 | 13.962 | 14.017 | VV | 490    | 10022   | 0.16%  | 0.048%  |
| 189 | 14.073 | 14.017 | 14.101 | VV | 2843   | 45651   | 0.73%  | 0.217%  |
| 190 | 14.119 | 14.101 | 14.165 | VV | 823    | 15248   | 0.24%  | 0.072%  |
| 191 | 14.180 | 14.165 | 14.199 | VV | 209    | 3050    | 0.05%  | 0.014%  |
| 192 | 14.237 | 14.199 | 14.268 | VV | 256    | 6265    | 0.10%  | 0.030%  |
| 193 | 14.280 | 14.268 | 14.309 | VV | 148    | 1857    | 0.03%  | 0.009%  |
| 194 | 14.352 | 14.309 | 14.372 | PV | 168    | 4022    | 0.06%  | 0.019%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 195 | 14.380 | 14.372 | 14.404 | VV | 140    | 1821   | 0.03% | 0.009% |
| 196 | 14.416 | 14.404 | 14.430 | VV | 116    | 1012   | 0.02% | 0.005% |
| 197 | 14.460 | 14.430 | 14.492 | VV | 217    | 4007   | 0.06% | 0.019% |
| 198 | 14.522 | 14.492 | 14.537 | PV | 374    | 7202   | 0.12% | 0.034% |
| 199 | 14.556 | 14.537 | 14.592 | VV | 800    | 15663  | 0.25% | 0.074% |
| 200 | 14.598 | 14.592 | 14.660 | VV | 262    | 7033   | 0.11% | 0.033% |
| 201 | 14.683 | 14.660 | 14.709 | VV | 236    | 5190   | 0.08% | 0.025% |
| 202 | 14.748 | 14.709 | 14.758 | VV | 143    | 3291   | 0.05% | 0.016% |
| 203 | 14.786 | 14.758 | 14.802 | VV | 309    | 5414   | 0.09% | 0.026% |
| 204 | 14.845 | 14.802 | 14.920 | VV | 394    | 17221  | 0.28% | 0.082% |
| 205 | 14.941 | 14.920 | 14.950 | VV | 187    | 2145   | 0.03% | 0.010% |
| 206 | 15.002 | 14.950 | 15.013 | VV | 276    | 6936   | 0.11% | 0.033% |
| 207 | 15.063 | 15.013 | 15.151 | VV | 1126   | 28000  | 0.45% | 0.133% |
| 208 | 15.187 | 15.151 | 15.209 | VV | 1644   | 30196  | 0.48% | 0.143% |
| 209 | 15.224 | 15.209 | 15.250 | VV | 1108   | 19712  | 0.31% | 0.094% |
| 210 | 15.271 | 15.250 | 15.365 | VV | 2493   | 46078  | 0.74% | 0.219% |
| 211 | 15.392 | 15.365 | 15.454 | VV | 461    | 11540  | 0.18% | 0.055% |
| 212 | 15.461 | 15.454 | 15.485 | VV | 140    | 1591   | 0.03% | 0.008% |
| 213 | 15.527 | 15.485 | 15.568 | VV | 719    | 15013  | 0.24% | 0.071% |
| 214 | 15.605 | 15.568 | 15.724 | VV | 9908   | 211185 | 3.37% | 1.003% |
| 215 | 15.762 | 15.724 | 15.789 | VV | 1239   | 26955  | 0.43% | 0.128% |
| 216 | 15.807 | 15.789 | 15.847 | VV | 405    | 9664   | 0.15% | 0.046% |
| 217 | 15.872 | 15.847 | 15.908 | VV | 302    | 7133   | 0.11% | 0.034% |
| 218 | 15.956 | 15.908 | 16.005 | VV | 346    | 9178   | 0.15% | 0.044% |
| 219 | 16.031 | 16.005 | 16.040 | VV | 204    | 3304   | 0.05% | 0.016% |
| 220 | 16.067 | 16.040 | 16.087 | VV | 303    | 5901   | 0.09% | 0.028% |
| 221 | 16.122 | 16.087 | 16.130 | VV | 330    | 6662   | 0.11% | 0.032% |
| 222 | 16.136 | 16.130 | 16.160 | VV | 314    | 4103   | 0.07% | 0.019% |
| 223 | 16.179 | 16.160 | 16.194 | VV | 329    | 5231   | 0.08% | 0.025% |
| 224 | 16.209 | 16.194 | 16.227 | VV | 300    | 5407   | 0.09% | 0.026% |
| 225 | 16.246 | 16.227 | 16.277 | VV | 760    | 12312  | 0.20% | 0.058% |
| 226 | 16.308 | 16.277 | 16.343 | VV | 389    | 8914   | 0.14% | 0.042% |
| 227 | 16.353 | 16.343 | 16.367 | VV | 155    | 1283   | 0.02% | 0.006% |
| 228 | 16.387 | 16.367 | 16.409 | VV | 232    | 3681   | 0.06% | 0.017% |
| 229 | 16.427 | 16.409 | 16.520 | VV | 232    | 5950   | 0.10% | 0.028% |
| 230 | 16.558 | 16.544 | 16.575 | VV | 85     | 1098   | 0.02% | 0.005% |
| 231 | 16.627 | 16.575 | 16.707 | VV | 742    | 22550  | 0.36% | 0.107% |
| 232 | 16.731 | 16.707 | 16.762 | VV | 765    | 16122  | 0.26% | 0.077% |
| 233 | 16.813 | 16.762 | 16.875 | VV | 1219   | 35785  | 0.57% | 0.170% |
| 234 | 16.910 | 16.875 | 17.000 | VV | 527    | 23319  | 0.37% | 0.111% |
| 235 | 17.027 | 17.000 | 17.045 | VV | 220    | 4588   | 0.07% | 0.022% |
| 236 | 17.092 | 17.045 | 17.117 | VV | 400    | 11507  | 0.18% | 0.055% |
| 237 | 17.163 | 17.117 | 17.178 | VV | 710    | 17860  | 0.29% | 0.085% |
| 238 | 17.199 | 17.178 | 17.224 | VV | 1373   | 23496  | 0.38% | 0.112% |
| 239 | 17.248 | 17.224 | 17.349 | VV | 1362   | 31574  | 0.50% | 0.150% |
| 240 | 17.395 | 17.349 | 17.432 | VV | 190    | 3118   | 0.05% | 0.015% |
| 241 | 17.478 | 17.455 | 17.502 | PV | 153    | 2317   | 0.04% | 0.011% |
| 242 | 17.533 | 17.502 | 17.551 | VV | 394    | 6698   | 0.11% | 0.032% |
| 243 | 17.593 | 17.551 | 17.624 | VV | 401    | 12825  | 0.20% | 0.061% |
| 244 | 17.650 | 17.624 | 17.707 | VV | 1623   | 27365  | 0.44% | 0.130% |
| 245 | 17.746 | 17.707 | 17.781 | VV | 459    | 10592  | 0.17% | 0.050% |
| 246 | 17.828 | 17.781 | 17.872 | VV | 177    | 6548   | 0.10% | 0.031% |

|                         |        |        |        |     | rteres |       |          |        |
|-------------------------|--------|--------|--------|-----|--------|-------|----------|--------|
| 247                     | 17.877 | 17.872 | 17.900 | VV  | 135    | 2042  | 0.03%    | 0.010% |
| 248                     | 17.929 | 17.900 | 17.950 | VV  | 162    | 3170  | 0.05%    | 0.015% |
| 249                     | 17.958 | 17.950 | 17.987 | VV  | 107    | 1278  | 0.02%    | 0.006% |
| 250                     | 18.088 | 17.987 | 18.120 | PV  | 1821   | 34661 | 0.55%    | 0.165% |
| 251                     | 18.181 | 18.120 | 18.221 | VV  | 2159   | 39809 | 0.64%    | 0.189% |
| 252                     | 18.239 | 18.221 | 18.252 | VV  | 308    | 4320  | 0.07%    | 0.021% |
| 253                     | 18.259 | 18.252 | 18.286 | VV  | 263    | 3190  | 0.05%    | 0.015% |
| 254                     | 18.315 | 18.286 | 18.338 | VV  | 247    | 3930  | 0.06%    | 0.019% |
| 255                     | 18.365 | 18.338 | 18.385 | PV  | 404    | 6765  | 0.11%    | 0.032% |
| 256                     | 18.407 | 18.385 | 18.422 | VV  | 441    | 6665  | 0.11%    | 0.032% |
| 257                     | 18.452 | 18.422 | 18.486 | VV  | 2272   | 50851 | 0.81%    | 0.242% |
| 258                     | 18.513 | 18.486 | 18.545 | VV  | 2532   | 49148 | 0.79%    | 0.234% |
| 259                     | 18.571 | 18.545 | 18.680 | VV  | 989    | 45667 | 0.73%    | 0.217% |
| 260                     | 18.690 | 18.680 | 18.705 | VV  | 151    | 1311  | 0.02%    | 0.006% |
| 261                     | 18.769 | 18.705 | 18.800 | PBA | 382    | 11652 | 0.19%    | 0.055% |
| Sum of corrected areas: |        |        |        |     |        |       | 21047957 |        |

Aromatic EPH 011425.M Wed Jan 29 02:04:43 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015189.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 18:43  
 Operator : YP\AJ  
 Sample : Q1194-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 B-110-SB01

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: autoint1.e  
 Quant Time: Jan 29 02:36:35 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.385 | 5519886  | 45.333 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 90.67%     |

Target Compounds

(f)=RT Delta > 1/2 Window

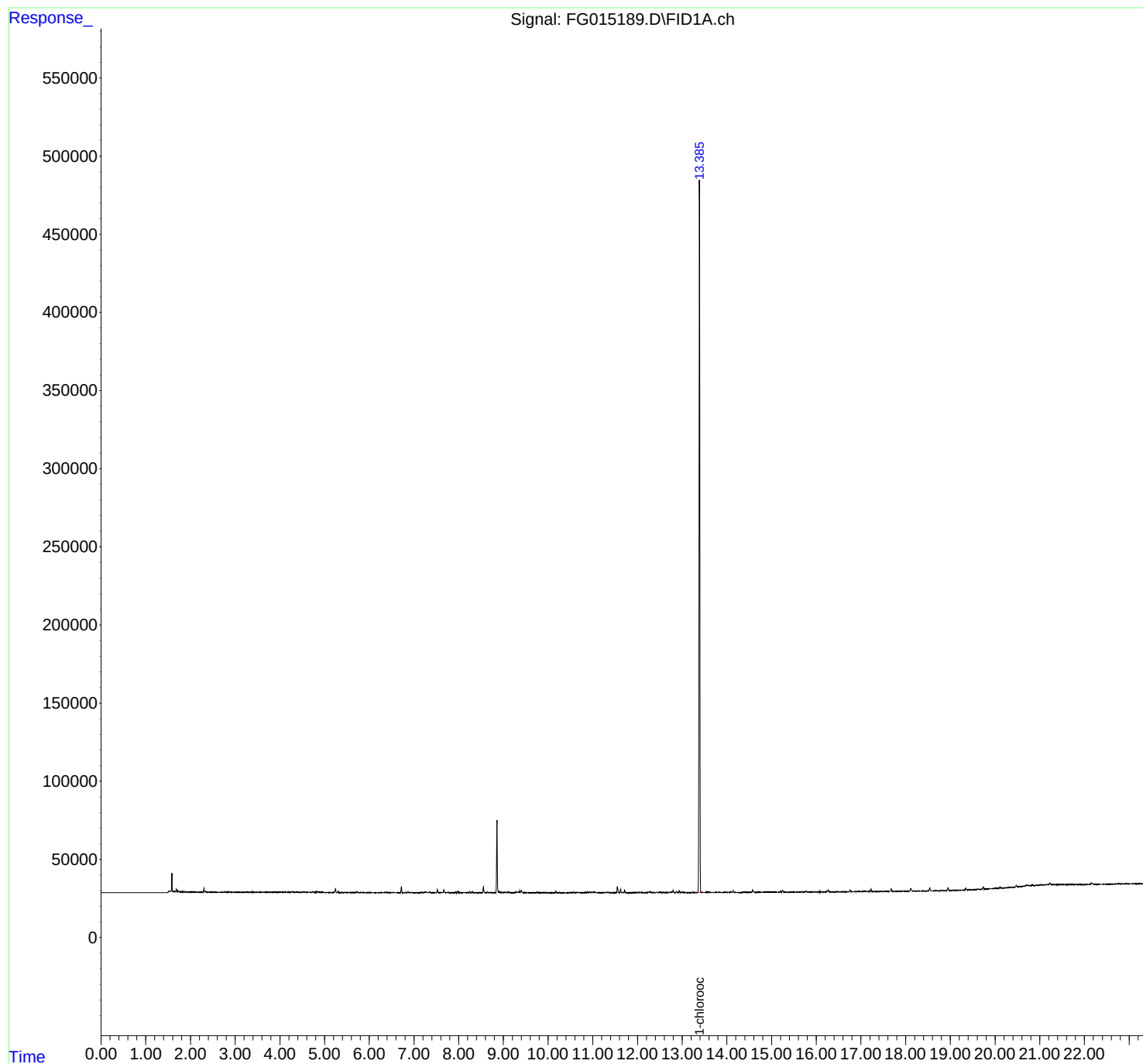
(m)=manual int.

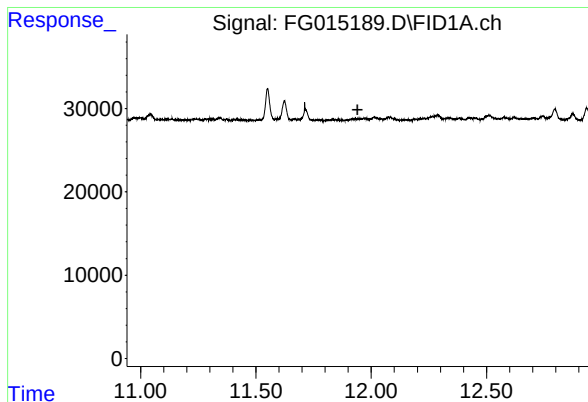
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015189.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 18:43  
Operator : YP\AJ  
Sample : Q1194-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB01

Integration File: autoint1.e  
Quant Time: Jan 29 02:36:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

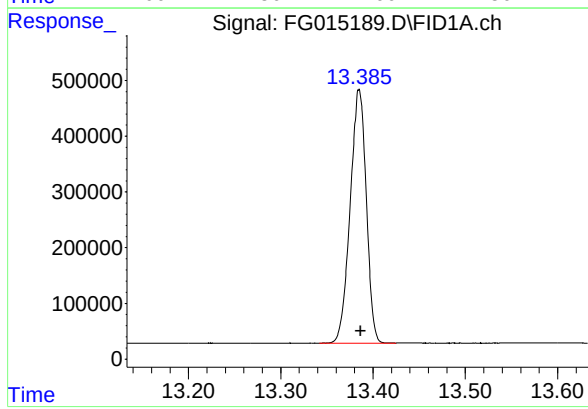




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.940 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min  
Delta R.T.: -0.002 min  
Response: 5519886  
Conc: 45.33 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015189.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 18:43  
 Sample : Q1194-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.281       | 3.221        | 3.312      | BV       | 227            | 2480         | 0.04%          | 0.027%        |
| 2         | 3.321       | 3.312        | 3.355      | PV       | 66             | 574          | 0.01%          | 0.006%        |
| 3         | 3.388       | 3.355        | 3.485      | VV       | 114            | 3343         | 0.06%          | 0.036%        |
| 4         | 3.498       | 3.485        | 3.507      | VV       | 90             | 899          | 0.02%          | 0.010%        |
| 5         | 3.521       | 3.507        | 3.653      | VV       | 136            | 6609         | 0.12%          | 0.072%        |
| 6         | 3.673       | 3.653        | 3.720      | VV       | 185            | 4063         | 0.07%          | 0.044%        |
| 7         | 3.731       | 3.720        | 3.745      | VV       | 166            | 1696         | 0.03%          | 0.018%        |
| 8         | 3.760       | 3.745        | 3.840      | VV       | 249            | 4857         | 0.09%          | 0.053%        |
| 9         | 3.879       | 3.840        | 3.928      | VV       | 236            | 4223         | 0.08%          | 0.046%        |
| 10        | 3.935       | 3.928        | 3.948      | VV       | 61             | 529          | 0.01%          | 0.006%        |
| 11        | 3.962       | 3.948        | 4.031      | VV       | 94             | 2689         | 0.05%          | 0.029%        |
| 12        | 4.079       | 4.031        | 4.093      | PV       | 202            | 3971         | 0.07%          | 0.043%        |
| 13        | 4.112       | 4.093        | 4.176      | VV       | 556            | 7895         | 0.14%          | 0.086%        |
| 14        | 4.194       | 4.176        | 4.225      | VV       | 150            | 2529         | 0.05%          | 0.027%        |
| 15        | 4.249       | 4.225        | 4.268      | VV       | 225            | 3915         | 0.07%          | 0.043%        |
| 16        | 4.284       | 4.268        | 4.340      | VV       | 503            | 7831         | 0.14%          | 0.085%        |
| 17        | 4.356       | 4.340        | 4.432      | VV       | 140            | 4859         | 0.09%          | 0.053%        |
| 18        | 4.442       | 4.432        | 4.448      | VV       | 103            | 805          | 0.01%          | 0.009%        |
| 19        | 4.478       | 4.448        | 4.489      | VV       | 101            | 2386         | 0.04%          | 0.026%        |
| 20        | 4.495       | 4.489        | 4.501      | VV       | 81             | 564          | 0.01%          | 0.006%        |
| 21        | 4.541       | 4.501        | 4.567      | VV       | 556            | 8763         | 0.16%          | 0.095%        |
| 22        | 4.578       | 4.567        | 4.641      | VV       | 149            | 4334         | 0.08%          | 0.047%        |
| 23        | 4.668       | 4.641        | 4.698      | VV       | 288            | 4643         | 0.08%          | 0.050%        |
| 24        | 4.729       | 4.698        | 4.752      | VV       | 730            | 9502         | 0.17%          | 0.103%        |
| 25        | 4.761       | 4.752        | 4.771      | VV       | 189            | 1612         | 0.03%          | 0.018%        |
| 26        | 4.793       | 4.771        | 4.808      | VV       | 512            | 6247         | 0.11%          | 0.068%        |
| 27        | 4.826       | 4.808        | 4.846      | VV       | 998            | 10671        | 0.19%          | 0.116%        |
| 28        | 4.853       | 4.846        | 4.871      | VV       | 157            | 1783         | 0.03%          | 0.019%        |
| 29        | 4.892       | 4.871        | 4.924      | VV       | 165            | 4036         | 0.07%          | 0.044%        |
| 30        | 4.954       | 4.924        | 4.981      | VV       | 194            | 5137         | 0.09%          | 0.056%        |
| 31        | 5.000       | 4.981        | 5.017      | VV       | 179            | 2571         | 0.05%          | 0.028%        |
| 32        | 5.029       | 5.017        | 5.089      | VV       | 134            | 4122         | 0.07%          | 0.045%        |
| 33        | 5.099       | 5.089        | 5.105      | VV       | 76             | 541          | 0.01%          | 0.006%        |
| 34        | 5.112       | 5.105        | 5.119      | VV       | 83             | 562          | 0.01%          | 0.006%        |
| 35        | 5.159       | 5.119        | 5.191      | VV       | 167            | 3868         | 0.07%          | 0.042%        |
| 36        | 5.245       | 5.191        | 5.281      | VV       | 2561           | 34523        | 0.62%          | 0.375%        |

|    |       |       |       |    | rteres |       |       |        |
|----|-------|-------|-------|----|--------|-------|-------|--------|
| 37 | 5.308 | 5.281 | 5.333 | VV | 506    | 6589  | 0.12% | 0.072% |
| 38 | 5.341 | 5.333 | 5.362 | VV | 71     | 1004  | 0.02% | 0.011% |
| 39 | 5.367 | 5.362 | 5.404 | VV | 92     | 843   | 0.02% | 0.009% |
| 40 | 5.425 | 5.404 | 5.435 | VV | 107    | 1310  | 0.02% | 0.014% |
| 41 | 5.456 | 5.435 | 5.477 | VV | 161    | 2141  | 0.04% | 0.023% |
| 42 | 5.496 | 5.477 | 5.553 | VV | 169    | 3215  | 0.06% | 0.035% |
| 43 | 5.569 | 5.553 | 5.599 | VV | 95     | 1486  | 0.03% | 0.016% |
| 44 | 5.647 | 5.599 | 5.664 | VV | 179    | 2787  | 0.05% | 0.030% |
| 45 | 5.684 | 5.664 | 5.704 | VV | 439    | 5162  | 0.09% | 0.056% |
| 46 | 5.728 | 5.704 | 5.765 | VV | 771    | 9698  | 0.18% | 0.105% |
| 47 | 5.789 | 5.765 | 5.837 | VV | 230    | 4177  | 0.08% | 0.045% |
| 48 | 5.879 | 5.837 | 5.905 | VV | 173    | 3674  | 0.07% | 0.040% |
| 49 | 5.915 | 5.905 | 5.922 | VV | 81     | 522   | 0.01% | 0.006% |
| 50 | 5.929 | 5.922 | 5.937 | PV | 45     | 378   | 0.01% | 0.004% |
| 51 | 5.951 | 5.937 | 5.970 | PV | 75     | 1191  | 0.02% | 0.013% |
| 52 | 5.994 | 5.970 | 6.040 | VV | 171    | 3905  | 0.07% | 0.042% |
| 53 | 6.053 | 6.040 | 6.141 | VV | 97     | 2954  | 0.05% | 0.032% |
| 54 | 6.152 | 6.141 | 6.161 | VV | 66     | 507   | 0.01% | 0.006% |
| 55 | 6.258 | 6.161 | 6.305 | VV | 215    | 8086  | 0.15% | 0.088% |
| 56 | 6.318 | 6.305 | 6.345 | VV | 262    | 3674  | 0.07% | 0.040% |
| 57 | 6.364 | 6.345 | 6.397 | VV | 490    | 7110  | 0.13% | 0.077% |
| 58 | 6.409 | 6.397 | 6.418 | VV | 145    | 1526  | 0.03% | 0.017% |
| 59 | 6.431 | 6.418 | 6.457 | VV | 265    | 3858  | 0.07% | 0.042% |
| 60 | 6.502 | 6.457 | 6.529 | VV | 236    | 7225  | 0.13% | 0.078% |
| 61 | 6.550 | 6.529 | 6.596 | VV | 144    | 3975  | 0.07% | 0.043% |
| 62 | 6.607 | 6.596 | 6.625 | VV | 142    | 1563  | 0.03% | 0.017% |
| 63 | 6.642 | 6.625 | 6.663 | VV | 96     | 1323  | 0.02% | 0.014% |
| 64 | 6.681 | 6.663 | 6.692 | VV | 101    | 1113  | 0.02% | 0.012% |
| 65 | 6.719 | 6.692 | 6.785 | VV | 3801   | 43935 | 0.79% | 0.477% |
| 66 | 6.807 | 6.785 | 6.828 | VV | 459    | 5639  | 0.10% | 0.061% |
| 67 | 6.842 | 6.828 | 6.856 | VV | 274    | 3225  | 0.06% | 0.035% |
| 68 | 6.875 | 6.856 | 6.895 | VV | 728    | 8900  | 0.16% | 0.097% |
| 69 | 6.909 | 6.895 | 6.931 | VV | 275    | 2931  | 0.05% | 0.032% |
| 70 | 6.949 | 6.931 | 6.966 | VV | 402    | 4332  | 0.08% | 0.047% |
| 71 | 6.975 | 6.966 | 7.025 | VV | 106    | 1865  | 0.03% | 0.020% |
| 72 | 7.050 | 7.025 | 7.085 | VV | 116    | 2303  | 0.04% | 0.025% |
| 73 | 7.098 | 7.085 | 7.109 | VV | 89     | 1129  | 0.02% | 0.012% |
| 74 | 7.126 | 7.109 | 7.150 | VV | 108    | 1474  | 0.03% | 0.016% |
| 75 | 7.177 | 7.150 | 7.211 | PV | 474    | 6227  | 0.11% | 0.068% |
| 76 | 7.232 | 7.211 | 7.266 | VV | 577    | 10943 | 0.20% | 0.119% |
| 77 | 7.283 | 7.266 | 7.324 | VV | 496    | 11278 | 0.20% | 0.123% |
| 78 | 7.360 | 7.324 | 7.388 | VV | 813    | 14357 | 0.26% | 0.156% |
| 79 | 7.402 | 7.388 | 7.419 | VV | 263    | 2737  | 0.05% | 0.030% |
| 80 | 7.444 | 7.419 | 7.456 | VV | 261    | 3457  | 0.06% | 0.038% |
| 81 | 7.470 | 7.456 | 7.503 | VV | 214    | 4191  | 0.08% | 0.046% |
| 82 | 7.527 | 7.503 | 7.555 | VV | 1908   | 21972 | 0.40% | 0.239% |
| 83 | 7.588 | 7.555 | 7.619 | VV | 282    | 6686  | 0.12% | 0.073% |
| 84 | 7.635 | 7.619 | 7.648 | VV | 330    | 4239  | 0.08% | 0.046% |
| 85 | 7.670 | 7.648 | 7.698 | VV | 1988   | 23766 | 0.43% | 0.258% |
| 86 | 7.705 | 7.698 | 7.720 | VV | 178    | 2522  | 0.05% | 0.027% |
| 87 | 7.732 | 7.720 | 7.748 | VV | 309    | 3654  | 0.07% | 0.040% |
| 88 | 7.763 | 7.748 | 7.813 | VV | 351    | 6473  | 0.12% | 0.070% |
| 89 | 7.847 | 7.813 | 7.867 | VV | 200    | 3929  | 0.07% | 0.043% |

|     |        |        |        |    | rt    | Area   | Height | %Area  | %Height |
|-----|--------|--------|--------|----|-------|--------|--------|--------|---------|
| 90  | 7.881  | 7.867  | 7.915  | VV | 142   | 2257   | 0.04%  | 0.025% |         |
| 91  | 7.937  | 7.915  | 7.961  | VV | 702   | 8606   | 0.16%  | 0.093% |         |
| 92  | 7.984  | 7.961  | 8.081  | VV | 1063  | 19737  | 0.36%  | 0.214% |         |
| 93  | 8.101  | 8.081  | 8.121  | VV | 217   | 4079   | 0.07%  | 0.044% |         |
| 94  | 8.134  | 8.121  | 8.151  | VV | 283   | 4146   | 0.07%  | 0.045% |         |
| 95  | 8.158  | 8.151  | 8.181  | VV | 276   | 2783   | 0.05%  | 0.030% |         |
| 96  | 8.201  | 8.181  | 8.223  | VV | 319   | 4078   | 0.07%  | 0.044% |         |
| 97  | 8.248  | 8.223  | 8.283  | VV | 868   | 10947  | 0.20%  | 0.119% |         |
| 98  | 8.304  | 8.283  | 8.326  | VV | 907   | 9665   | 0.17%  | 0.105% |         |
| 99  | 8.338  | 8.326  | 8.354  | VV | 187   | 2324   | 0.04%  | 0.025% |         |
| 100 | 8.374  | 8.354  | 8.391  | VV | 339   | 4281   | 0.08%  | 0.047% |         |
| 101 | 8.407  | 8.391  | 8.437  | VV | 169   | 2816   | 0.05%  | 0.031% |         |
| 102 | 8.461  | 8.437  | 8.481  | VV | 340   | 4974   | 0.09%  | 0.054% |         |
| 103 | 8.490  | 8.481  | 8.523  | VV | 114   | 2381   | 0.04%  | 0.026% |         |
| 104 | 8.555  | 8.523  | 8.582  | VV | 3834  | 43221  | 0.78%  | 0.470% |         |
| 105 | 8.591  | 8.582  | 8.635  | VV | 261   | 5276   | 0.10%  | 0.057% |         |
| 106 | 8.656  | 8.635  | 8.691  | VV | 358   | 9436   | 0.17%  | 0.103% |         |
| 107 | 8.705  | 8.691  | 8.735  | VV | 387   | 5690   | 0.10%  | 0.062% |         |
| 108 | 8.751  | 8.735  | 8.774  | VV | 311   | 4375   | 0.08%  | 0.048% |         |
| 109 | 8.792  | 8.774  | 8.822  | VV | 405   | 4992   | 0.09%  | 0.054% |         |
| 110 | 8.858  | 8.822  | 8.948  | VV | 46758 | 504038 | 9.12%  | 5.475% |         |
| 111 | 8.974  | 8.948  | 8.992  | VV | 331   | 7271   | 0.13%  | 0.079% |         |
| 112 | 9.012  | 8.992  | 9.037  | VV | 407   | 8986   | 0.16%  | 0.098% |         |
| 113 | 9.049  | 9.037  | 9.080  | VV | 430   | 8350   | 0.15%  | 0.091% |         |
| 114 | 9.100  | 9.080  | 9.143  | VV | 763   | 16577  | 0.30%  | 0.180% |         |
| 115 | 9.163  | 9.143  | 9.197  | VV | 299   | 5243   | 0.09%  | 0.057% |         |
| 116 | 9.217  | 9.197  | 9.237  | VV | 316   | 4135   | 0.07%  | 0.045% |         |
| 117 | 9.284  | 9.237  | 9.304  | VV | 916   | 15868  | 0.29%  | 0.172% |         |
| 118 | 9.324  | 9.304  | 9.336  | VV | 724   | 9099   | 0.16%  | 0.099% |         |
| 119 | 9.360  | 9.336  | 9.371  | VV | 671   | 12007  | 0.22%  | 0.130% |         |
| 120 | 9.402  | 9.371  | 9.456  | VV | 1563  | 35681  | 0.65%  | 0.388% |         |
| 121 | 9.476  | 9.456  | 9.501  | VV | 469   | 5730   | 0.10%  | 0.062% |         |
| 122 | 9.525  | 9.501  | 9.551  | VV | 299   | 4085   | 0.07%  | 0.044% |         |
| 123 | 9.575  | 9.551  | 9.622  | VV | 216   | 5991   | 0.11%  | 0.065% |         |
| 124 | 9.631  | 9.622  | 9.657  | VV | 154   | 2469   | 0.04%  | 0.027% |         |
| 125 | 9.691  | 9.657  | 9.731  | VV | 372   | 8417   | 0.15%  | 0.091% |         |
| 126 | 9.756  | 9.731  | 9.798  | VV | 718   | 12005  | 0.22%  | 0.130% |         |
| 127 | 9.809  | 9.798  | 9.837  | VV | 216   | 3415   | 0.06%  | 0.037% |         |
| 128 | 9.854  | 9.837  | 9.875  | VV | 193   | 2780   | 0.05%  | 0.030% |         |
| 129 | 9.896  | 9.875  | 9.922  | VV | 399   | 5362   | 0.10%  | 0.058% |         |
| 130 | 9.950  | 9.922  | 9.991  | VV | 466   | 7065   | 0.13%  | 0.077% |         |
| 131 | 10.007 | 9.991  | 10.020 | VV | 129   | 1415   | 0.03%  | 0.015% |         |
| 132 | 10.039 | 10.020 | 10.065 | VV | 141   | 1858   | 0.03%  | 0.020% |         |
| 133 | 10.090 | 10.065 | 10.133 | PV | 282   | 4864   | 0.09%  | 0.053% |         |
| 134 | 10.139 | 10.133 | 10.145 | VV | 100   | 578    | 0.01%  | 0.006% |         |
| 135 | 10.171 | 10.145 | 10.198 | VV | 1309  | 15957  | 0.29%  | 0.173% |         |
| 136 | 10.209 | 10.198 | 10.225 | VV | 92    | 1108   | 0.02%  | 0.012% |         |
| 137 | 10.253 | 10.225 | 10.328 | VV | 235   | 10304  | 0.19%  | 0.112% |         |
| 138 | 10.342 | 10.328 | 10.403 | VV | 190   | 3247   | 0.06%  | 0.035% |         |
| 139 | 10.453 | 10.403 | 10.471 | PV | 165   | 3622   | 0.07%  | 0.039% |         |
| 140 | 10.493 | 10.471 | 10.511 | VV | 262   | 4523   | 0.08%  | 0.049% |         |
| 141 | 10.520 | 10.511 | 10.534 | VV | 242   | 2495   | 0.05%  | 0.027% |         |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.566 | 10.534 | 10.588 | VV | 425    | 8959    | 0.16%   | 0.097%  |
| 143 | 10.605 | 10.588 | 10.628 | VV | 331    | 5881    | 0.11%   | 0.064%  |
| 144 | 10.646 | 10.628 | 10.671 | VV | 268    | 5555    | 0.10%   | 0.060%  |
| 145 | 10.692 | 10.671 | 10.721 | VV | 317    | 6208    | 0.11%   | 0.067%  |
| 146 | 10.730 | 10.721 | 10.748 | VV | 147    | 1931    | 0.03%   | 0.021%  |
| 147 | 10.778 | 10.748 | 10.788 | VV | 328    | 5167    | 0.09%   | 0.056%  |
| 148 | 10.803 | 10.788 | 10.829 | VV | 281    | 5788    | 0.10%   | 0.063%  |
| 149 | 10.856 | 10.829 | 10.880 | VV | 434    | 9898    | 0.18%   | 0.108%  |
| 150 | 10.914 | 10.880 | 10.951 | VV | 674    | 15853   | 0.29%   | 0.172%  |
| 151 | 10.972 | 10.951 | 11.018 | VV | 393    | 12414   | 0.22%   | 0.135%  |
| 152 | 11.044 | 11.018 | 11.068 | VV | 824    | 14877   | 0.27%   | 0.162%  |
| 153 | 11.093 | 11.068 | 11.148 | VV | 237    | 8643    | 0.16%   | 0.094%  |
| 154 | 11.169 | 11.148 | 11.215 | VV | 173    | 5004    | 0.09%   | 0.054%  |
| 155 | 11.233 | 11.215 | 11.268 | VV | 238    | 5380    | 0.10%   | 0.058%  |
| 156 | 11.283 | 11.268 | 11.322 | VV | 236    | 5959    | 0.11%   | 0.065%  |
| 157 | 11.343 | 11.322 | 11.359 | VV | 391    | 5868    | 0.11%   | 0.064%  |
| 158 | 11.372 | 11.359 | 11.392 | VV | 229    | 2684    | 0.05%   | 0.029%  |
| 159 | 11.420 | 11.392 | 11.491 | VV | 208    | 5495    | 0.10%   | 0.060%  |
| 160 | 11.551 | 11.491 | 11.581 | VV | 3890   | 52038   | 0.94%   | 0.565%  |
| 161 | 11.624 | 11.581 | 11.655 | VV | 2399   | 35044   | 0.63%   | 0.381%  |
| 162 | 11.714 | 11.655 | 11.754 | VV | 1287   | 22447   | 0.41%   | 0.244%  |
| 163 | 11.773 | 11.754 | 11.800 | VV | 162    | 1865    | 0.03%   | 0.020%  |
| 164 | 11.835 | 11.800 | 11.877 | PV | 162    | 3461    | 0.06%   | 0.038%  |
| 165 | 11.932 | 11.877 | 11.958 | VV | 249    | 7039    | 0.13%   | 0.076%  |
| 166 | 11.974 | 11.958 | 11.992 | VV | 273    | 4484    | 0.08%   | 0.049%  |
| 167 | 12.014 | 11.992 | 12.055 | VV | 429    | 9868    | 0.18%   | 0.107%  |
| 168 | 12.076 | 12.055 | 12.123 | VV | 440    | 10017   | 0.18%   | 0.109%  |
| 169 | 12.142 | 12.123 | 12.172 | VV | 126    | 2369    | 0.04%   | 0.026%  |
| 170 | 12.189 | 12.172 | 12.197 | VV | 153    | 1772    | 0.03%   | 0.019%  |
| 171 | 12.287 | 12.197 | 12.309 | VV | 638    | 23341   | 0.42%   | 0.254%  |
| 172 | 12.337 | 12.309 | 12.364 | VV | 329    | 8072    | 0.15%   | 0.088%  |
| 173 | 12.384 | 12.364 | 12.407 | VV | 273    | 4980    | 0.09%   | 0.054%  |
| 174 | 12.428 | 12.407 | 12.441 | VV | 341    | 5216    | 0.09%   | 0.057%  |
| 175 | 12.448 | 12.441 | 12.469 | VV | 265    | 3839    | 0.07%   | 0.042%  |
| 176 | 12.512 | 12.469 | 12.557 | VV | 606    | 17838   | 0.32%   | 0.194%  |
| 177 | 12.576 | 12.557 | 12.603 | VV | 383    | 7183    | 0.13%   | 0.078%  |
| 178 | 12.620 | 12.603 | 12.685 | VV | 326    | 10244   | 0.19%   | 0.111%  |
| 179 | 12.706 | 12.685 | 12.722 | VV | 290    | 5028    | 0.09%   | 0.055%  |
| 180 | 12.744 | 12.722 | 12.763 | VV | 520    | 8734    | 0.16%   | 0.095%  |
| 181 | 12.796 | 12.763 | 12.840 | VV | 1346   | 23223   | 0.42%   | 0.252%  |
| 182 | 12.874 | 12.840 | 12.903 | VV | 745    | 12057   | 0.22%   | 0.131%  |
| 183 | 12.935 | 12.903 | 12.961 | VV | 1458   | 19590   | 0.35%   | 0.213%  |
| 184 | 12.973 | 12.961 | 12.978 | VV | 164    | 1540    | 0.03%   | 0.017%  |
| 185 | 13.003 | 12.978 | 13.026 | VV | 321    | 6073    | 0.11%   | 0.066%  |
| 186 | 13.052 | 13.026 | 13.122 | VV | 351    | 8500    | 0.15%   | 0.092%  |
| 187 | 13.131 | 13.122 | 13.171 | PV | 103    | 1299    | 0.02%   | 0.014%  |
| 188 | 13.222 | 13.171 | 13.242 | VV | 218    | 5761    | 0.10%   | 0.063%  |
| 189 | 13.261 | 13.242 | 13.281 | VV | 161    | 2781    | 0.05%   | 0.030%  |
| 190 | 13.317 | 13.281 | 13.333 | VV | 172    | 4270    | 0.08%   | 0.046%  |
| 191 | 13.385 | 13.333 | 13.423 | VV | 457393 | 5528829 | 100.00% | 60.061% |
| 192 | 13.446 | 13.423 | 13.471 | VV | 320    | 7190    | 0.13%   | 0.078%  |
| 193 | 13.487 | 13.471 | 13.501 | VV | 218    | 2942    | 0.05%   | 0.032%  |
| 194 | 13.549 | 13.501 | 13.582 | VV | 503    | 13331   | 0.24%   | 0.145%  |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 195 | 13.603 | 13.582 | 13.642 | VV | 302    | 8666  | 0.16% | 0.094% |
| 196 | 13.652 | 13.642 | 13.665 | VV | 163    | 2005  | 0.04% | 0.022% |
| 197 | 13.671 | 13.665 | 13.702 | VV | 220    | 3781  | 0.07% | 0.041% |
| 198 | 13.754 | 13.702 | 13.798 | VV | 299    | 11690 | 0.21% | 0.127% |
| 199 | 13.824 | 13.798 | 13.874 | VV | 371    | 10532 | 0.19% | 0.114% |
| 200 | 13.895 | 13.874 | 13.914 | VV | 163    | 2972  | 0.05% | 0.032% |
| 201 | 13.929 | 13.914 | 13.940 | VV | 193    | 2381  | 0.04% | 0.026% |
| 202 | 13.992 | 13.940 | 14.030 | VV | 326    | 11097 | 0.20% | 0.121% |
| 203 | 14.051 | 14.030 | 14.060 | VV | 161    | 2563  | 0.05% | 0.028% |
| 204 | 14.086 | 14.060 | 14.112 | VV | 650    | 10318 | 0.19% | 0.112% |
| 205 | 14.138 | 14.112 | 14.180 | VV | 1315   | 18773 | 0.34% | 0.204% |
| 206 | 14.194 | 14.180 | 14.208 | VV | 130    | 1713  | 0.03% | 0.019% |
| 207 | 14.224 | 14.208 | 14.264 | VV | 119    | 2459  | 0.04% | 0.027% |
| 208 | 14.275 | 14.264 | 14.310 | VV | 71     | 787   | 0.01% | 0.009% |
| 209 | 14.320 | 14.310 | 14.331 | PV | 32     | 409   | 0.01% | 0.004% |
| 210 | 14.354 | 14.331 | 14.396 | VV | 213    | 5515  | 0.10% | 0.060% |
| 211 | 14.434 | 14.396 | 14.450 | VV | 190    | 4365  | 0.08% | 0.047% |
| 212 | 14.469 | 14.450 | 14.495 | VV | 179    | 3624  | 0.07% | 0.039% |
| 213 | 14.504 | 14.495 | 14.513 | VV | 140    | 1123  | 0.02% | 0.012% |
| 214 | 14.527 | 14.513 | 14.548 | VV | 129    | 2466  | 0.04% | 0.027% |
| 215 | 14.576 | 14.548 | 14.681 | VV | 1331   | 26112 | 0.47% | 0.284% |
| 216 | 14.704 | 14.681 | 14.738 | VV | 473    | 7373  | 0.13% | 0.080% |
| 217 | 14.762 | 14.738 | 14.777 | VV | 179    | 3221  | 0.06% | 0.035% |
| 218 | 14.794 | 14.777 | 14.808 | VV | 193    | 3106  | 0.06% | 0.034% |
| 219 | 14.847 | 14.808 | 14.871 | VV | 234    | 7725  | 0.14% | 0.084% |
| 220 | 14.877 | 14.871 | 14.886 | VV | 210    | 1673  | 0.03% | 0.018% |
| 221 | 14.900 | 14.886 | 14.940 | VV | 211    | 5594  | 0.10% | 0.061% |
| 222 | 14.962 | 14.940 | 14.972 | VV | 243    | 3357  | 0.06% | 0.036% |
| 223 | 14.994 | 14.972 | 15.007 | VV | 223    | 4002  | 0.07% | 0.043% |
| 224 | 15.021 | 15.007 | 15.040 | VV | 220    | 4087  | 0.07% | 0.044% |
| 225 | 15.053 | 15.040 | 15.068 | VV | 293    | 3723  | 0.07% | 0.040% |
| 226 | 15.081 | 15.068 | 15.128 | VV | 213    | 5585  | 0.10% | 0.061% |
| 227 | 15.136 | 15.128 | 15.148 | VV | 149    | 1427  | 0.03% | 0.016% |
| 228 | 15.201 | 15.148 | 15.220 | VV | 536    | 10361 | 0.19% | 0.113% |
| 229 | 15.245 | 15.220 | 15.289 | VV | 1319   | 21436 | 0.39% | 0.233% |
| 230 | 15.297 | 15.289 | 15.341 | VV | 144    | 3109  | 0.06% | 0.034% |
| 231 | 15.371 | 15.341 | 15.380 | VV | 99     | 1556  | 0.03% | 0.017% |
| 232 | 15.418 | 15.380 | 15.465 | VV | 230    | 6829  | 0.12% | 0.074% |
| 233 | 15.487 | 15.465 | 15.535 | VV | 170    | 4357  | 0.08% | 0.047% |
| 234 | 15.556 | 15.535 | 15.588 | VV | 146    | 2485  | 0.04% | 0.027% |
| 235 | 15.606 | 15.588 | 15.615 | VV | 92     | 1075  | 0.02% | 0.012% |
| 236 | 15.632 | 15.615 | 15.640 | VV | 139    | 1624  | 0.03% | 0.018% |
| 237 | 15.674 | 15.640 | 15.715 | VV | 231    | 6691  | 0.12% | 0.073% |
| 238 | 15.769 | 15.715 | 15.801 | VV | 766    | 15144 | 0.27% | 0.165% |
| 239 | 15.819 | 15.801 | 15.848 | VV | 169    | 3433  | 0.06% | 0.037% |
| 240 | 15.909 | 15.848 | 15.928 | VV | 160    | 4503  | 0.08% | 0.049% |
| 241 | 15.949 | 15.928 | 15.985 | VV | 222    | 5188  | 0.09% | 0.056% |
| 242 | 16.010 | 15.985 | 16.025 | VV | 159    | 3076  | 0.06% | 0.033% |
| 243 | 16.078 | 16.025 | 16.119 | VV | 430    | 10628 | 0.19% | 0.115% |
| 244 | 16.124 | 16.119 | 16.193 | VV | 212    | 6337  | 0.11% | 0.069% |
| 245 | 16.232 | 16.193 | 16.246 | VV | 408    | 6094  | 0.11% | 0.066% |
| 246 | 16.270 | 16.246 | 16.300 | VV | 1425   | 21785 | 0.39% | 0.237% |



|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 247 | 16.311 | 16.300 | 16.348 | VV | 192    | 3433  | 0.06% | 0.037% |
| 248 | 16.359 | 16.348 | 16.401 | VV | 114    | 1596  | 0.03% | 0.017% |
| 249 | 16.438 | 16.401 | 16.470 | VV | 163    | 4767  | 0.09% | 0.052% |
| 250 | 16.478 | 16.470 | 16.535 | VV | 158    | 3666  | 0.07% | 0.040% |
|     |        |        |        |    |        |       |       |        |
| 251 | 16.583 | 16.535 | 16.620 | PV | 168    | 4977  | 0.09% | 0.054% |
| 252 | 16.633 | 16.620 | 16.650 | VV | 136    | 1951  | 0.04% | 0.021% |
| 253 | 16.667 | 16.650 | 16.699 | VV | 125    | 2764  | 0.05% | 0.030% |
| 254 | 16.755 | 16.699 | 16.817 | VV | 1156   | 22840 | 0.41% | 0.248% |
| 255 | 16.833 | 16.817 | 16.890 | VV | 188    | 5971  | 0.11% | 0.065% |
|     |        |        |        |    |        |       |       |        |
| 256 | 16.919 | 16.890 | 16.938 | VV | 265    | 5908  | 0.11% | 0.064% |
| 257 | 16.947 | 16.938 | 17.031 | VV | 210    | 8055  | 0.15% | 0.088% |
| 258 | 17.067 | 17.031 | 17.082 | VV | 325    | 7535  | 0.14% | 0.082% |
| 259 | 17.094 | 17.082 | 17.145 | VV | 268    | 8153  | 0.15% | 0.089% |
| 260 | 17.150 | 17.145 | 17.164 | VV | 233    | 1941  | 0.04% | 0.021% |
|     |        |        |        |    |        |       |       |        |
| 261 | 17.189 | 17.164 | 17.200 | VV | 385    | 5580  | 0.10% | 0.061% |
| 262 | 17.223 | 17.200 | 17.281 | VV | 1740   | 26516 | 0.48% | 0.288% |
| 263 | 17.296 | 17.281 | 17.313 | VV | 93     | 1243  | 0.02% | 0.014% |
| 264 | 17.375 | 17.313 | 17.408 | VV | 159    | 4966  | 0.09% | 0.054% |
| 265 | 17.442 | 17.408 | 17.478 | VV | 176    | 3826  | 0.07% | 0.042% |
|     |        |        |        |    |        |       |       |        |
| 266 | 17.534 | 17.478 | 17.595 | VV | 162    | 6414  | 0.12% | 0.070% |
| 267 | 17.609 | 17.595 | 17.619 | VV | 69     | 721   | 0.01% | 0.008% |
| 268 | 17.675 | 17.619 | 17.745 | PV | 1767   | 26707 | 0.48% | 0.290% |
| 269 | 17.785 | 17.745 | 17.861 | PV | 143    | 6206  | 0.11% | 0.067% |
| 270 | 17.876 | 17.861 | 17.893 | VV | 65     | 1046  | 0.02% | 0.011% |
|     |        |        |        |    |        |       |       |        |
| 271 | 17.938 | 17.893 | 17.987 | VV | 192    | 7490  | 0.14% | 0.081% |
| 272 | 18.019 | 17.987 | 18.031 | VV | 85     | 1858  | 0.03% | 0.020% |
| 273 | 18.114 | 18.031 | 18.141 | VV | 1843   | 31440 | 0.57% | 0.342% |
| 274 | 18.162 | 18.141 | 18.207 | VV | 121    | 3122  | 0.06% | 0.034% |
| 275 | 18.267 | 18.207 | 18.311 | VV | 204    | 7121  | 0.13% | 0.077% |
|     |        |        |        |    |        |       |       |        |
| 276 | 18.322 | 18.311 | 18.368 | VV | 44     | 678   | 0.01% | 0.007% |
| 277 | 18.393 | 18.368 | 18.421 | PV | 213    | 4207  | 0.08% | 0.046% |
| 278 | 18.440 | 18.421 | 18.455 | VV | 116    | 1486  | 0.03% | 0.016% |
| 279 | 18.498 | 18.455 | 18.511 | VV | 193    | 3344  | 0.06% | 0.036% |
| 280 | 18.537 | 18.511 | 18.590 | VV | 2103   | 31188 | 0.56% | 0.339% |
|     |        |        |        |    |        |       |       |        |
| 281 | 18.627 | 18.590 | 18.655 | PV | 161    | 3402  | 0.06% | 0.037% |
| 282 | 18.737 | 18.655 | 18.777 | VV | 164    | 5800  | 0.10% | 0.063% |
| 283 | 18.806 | 18.777 | 18.831 | VV | 207    | 4181  | 0.08% | 0.045% |
| 284 | 18.849 | 18.831 | 18.894 | VV | 86     | 2283  | 0.04% | 0.025% |
| 285 | 18.948 | 18.894 | 19.015 | VV | 1847   | 32370 | 0.59% | 0.352% |
|     |        |        |        |    |        |       |       |        |
| 286 | 19.026 | 19.015 | 19.038 | PV | 80     | 526   | 0.01% | 0.006% |
| 287 | 19.111 | 19.038 | 19.148 | PV | 149    | 6893  | 0.12% | 0.075% |
| 288 | 19.155 | 19.148 | 19.165 | VV | 48     | 645   | 0.01% | 0.007% |
| 289 | 19.205 | 19.165 | 19.227 | VV | 158    | 3251  | 0.06% | 0.035% |
| 290 | 19.248 | 19.227 | 19.260 | VV | 106    | 1282  | 0.02% | 0.014% |
|     |        |        |        |    |        |       |       |        |
| 291 | 19.347 | 19.260 | 19.428 | PV | 1350   | 23880 | 0.43% | 0.259% |
| 292 | 19.524 | 19.428 | 19.539 | PV | 174    | 7152  | 0.13% | 0.078% |
| 293 | 19.549 | 19.539 | 19.569 | VV | 103    | 1586  | 0.03% | 0.017% |
| 294 | 19.605 | 19.569 | 19.621 | VV | 207    | 4033  | 0.07% | 0.044% |
| 295 | 19.639 | 19.621 | 19.653 | VV | 167    | 2392  | 0.04% | 0.026% |
|     |        |        |        |    |        |       |       |        |
| 296 | 19.734 | 19.653 | 19.769 | VV | 1462   | 30547 | 0.55% | 0.332% |
| 297 | 19.782 | 19.769 | 19.801 | VV | 234    | 3681  | 0.07% | 0.040% |
| 298 | 19.990 | 19.801 | 20.007 | VV | 414    | 29261 | 0.53% | 0.318% |
| 299 | 20.037 | 20.007 | 20.073 | VV | 387    | 11847 | 0.21% | 0.129% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 300 | 20.110 | 20.073 | 20.144 | VV | 1103   | 23519  | 0.43% | 0.255% |
| 301 | 20.348 | 20.144 | 20.356 | VV | 561    | 50215  | 0.91% | 0.546% |
| 302 | 20.476 | 20.356 | 20.505 | VV | 1704   | 67032  | 1.21% | 0.728% |
| 303 | 20.538 | 20.505 | 20.555 | VV | 846    | 23275  | 0.42% | 0.253% |
| 304 | 20.626 | 20.555 | 20.637 | VV | 872    | 38781  | 0.70% | 0.421% |
| 305 | 20.740 | 20.637 | 20.797 | VV | 1363   | 108874 | 1.97% | 1.183% |
| 306 | 20.837 | 20.797 | 20.878 | VV | 1481   | 58047  | 1.05% | 0.631% |
| 307 | 21.011 | 20.878 | 21.060 | VV | 1404   | 131419 | 2.38% | 1.428% |
| 308 | 21.152 | 21.060 | 21.166 | VV | 1306   | 81121  | 1.47% | 0.881% |
| 309 | 21.224 | 21.166 | 21.263 | VV | 2042   | 86993  | 1.57% | 0.945% |
| 310 | 21.329 | 21.263 | 21.339 | VV | 1197   | 53919  | 0.98% | 0.586% |
| 311 | 21.348 | 21.339 | 21.378 | VV | 1172   | 26085  | 0.47% | 0.283% |
| 312 | 21.396 | 21.378 | 21.421 | VV | 1089   | 27341  | 0.49% | 0.297% |
| 313 | 21.433 | 21.421 | 21.448 | VV | 1050   | 16092  | 0.29% | 0.175% |
| 314 | 21.455 | 21.448 | 21.468 | VV | 1000   | 11685  | 0.21% | 0.127% |
| 315 | 21.477 | 21.468 | 21.491 | VV | 992    | 13456  | 0.24% | 0.146% |
| 316 | 21.497 | 21.491 | 21.522 | VV | 958    | 16741  | 0.30% | 0.182% |
| 317 | 21.567 | 21.522 | 21.629 | VV | 923    | 53799  | 0.97% | 0.584% |
| 318 | 21.664 | 21.629 | 21.714 | VV | 860    | 37659  | 0.68% | 0.409% |
| 319 | 21.724 | 21.714 | 21.735 | VV | 630    | 7590   | 0.14% | 0.082% |
| 320 | 21.747 | 21.735 | 21.824 | VV | 634    | 29503  | 0.53% | 0.320% |
| 321 | 21.832 | 21.824 | 21.871 | VV | 542    | 13360  | 0.24% | 0.145% |
| 322 | 21.885 | 21.871 | 21.947 | VV | 491    | 18985  | 0.34% | 0.206% |
| 323 | 22.013 | 21.947 | 22.025 | VV | 385    | 17199  | 0.31% | 0.187% |
| 324 | 22.047 | 22.025 | 22.078 | VV | 418    | 11035  | 0.20% | 0.120% |
| 325 | 22.159 | 22.078 | 22.229 | VV | 1134   | 46707  | 0.84% | 0.507% |
| 326 | 22.238 | 22.229 | 22.283 | VV | 272    | 6077   | 0.11% | 0.066% |
| 327 | 22.305 | 22.283 | 22.327 | VV | 175    | 3447   | 0.06% | 0.037% |
| 328 | 22.339 | 22.327 | 22.384 | VV | 130    | 3183   | 0.06% | 0.035% |
| 329 | 22.397 | 22.384 | 22.415 | VV | 97     | 1027   | 0.02% | 0.011% |
| 330 | 22.422 | 22.415 | 22.431 | PV | 75     | 311    | 0.01% | 0.003% |

Sum of corrected areas: 9205381

Aliphatic EPH 011425.M Wed Jan 29 03:44:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012925AR\  
 Data File : FF015353.D  
 Signal(s) : FID2B.ch  
 Acq On : 29 Jan 2025 09:48  
 Operator : YP\AJ  
 Sample : Q1194-02  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 B-110-SB02

Integration File: autoint1.e  
 Quant Time: Jan 30 02:44:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 15 07:05:42 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.989  | 6282099    | 47.591 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 95.18%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.862  | 4067153    | 48.184 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 96.37%       |
| 11) S ortho-Terphenyl (SURR)       | 11.927 | 4518606    | 26.249 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 52.50%       |

Target Compounds

(f)=RT Delta > 1/2 Window

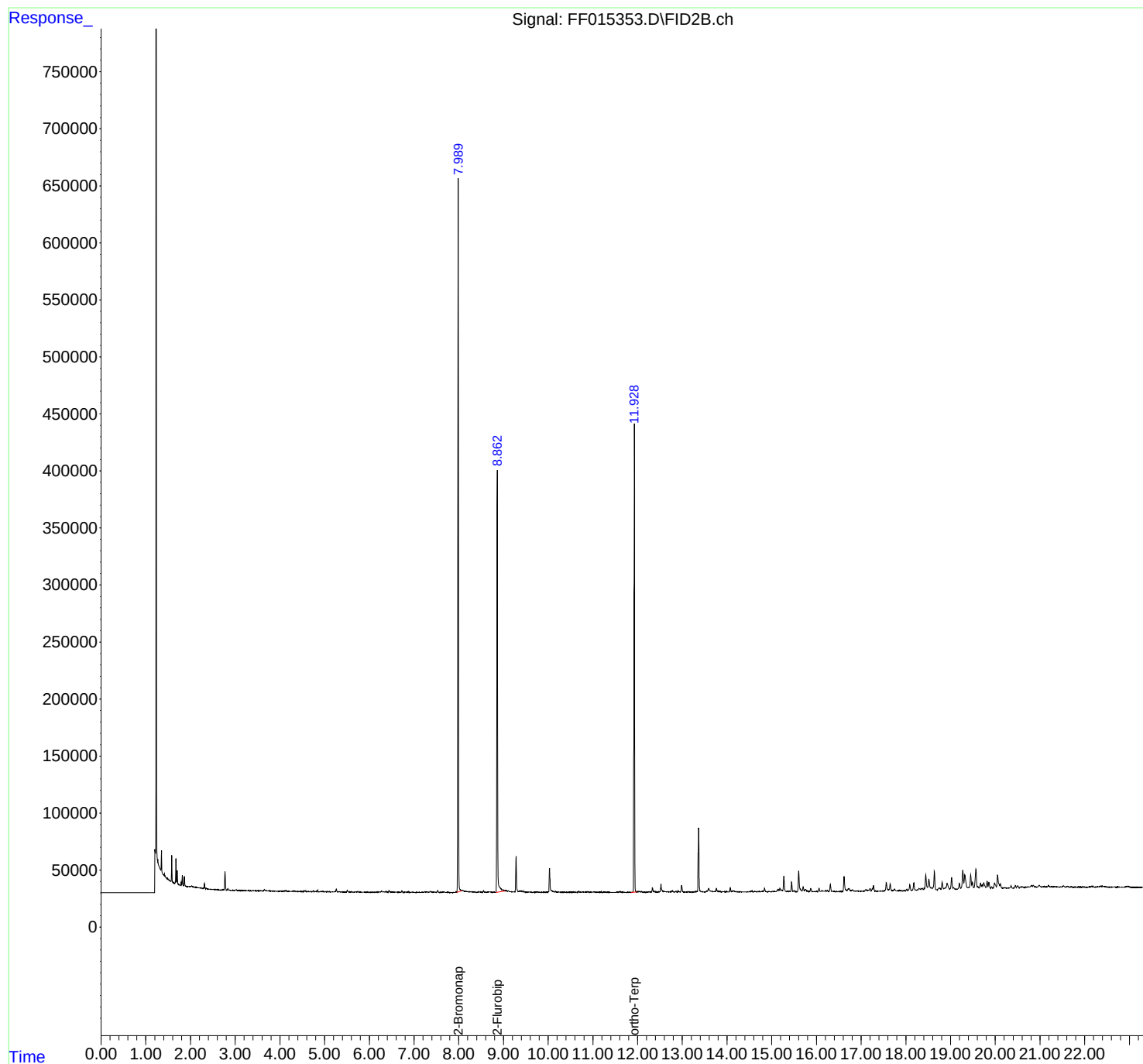
(m)=manual int.

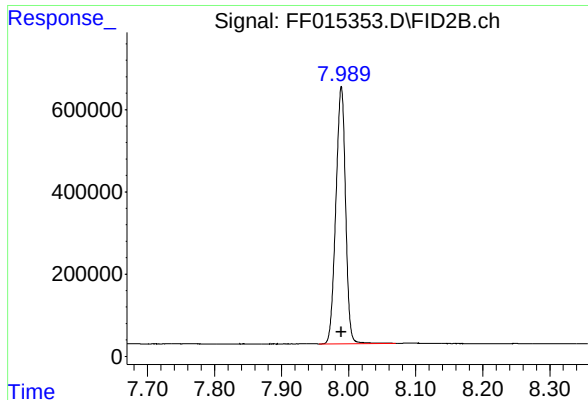
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012925AR\  
Data File : FF015353.D  
Signal(s) : FID2B.ch  
Acq On : 29 Jan 2025 09:48  
Operator : YP\AJ  
Sample : Q1194-02  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
B-110-SB02

Integration File: autoint1.e  
Quant Time: Jan 30 02:44:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Wed Jan 15 07:05:42 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

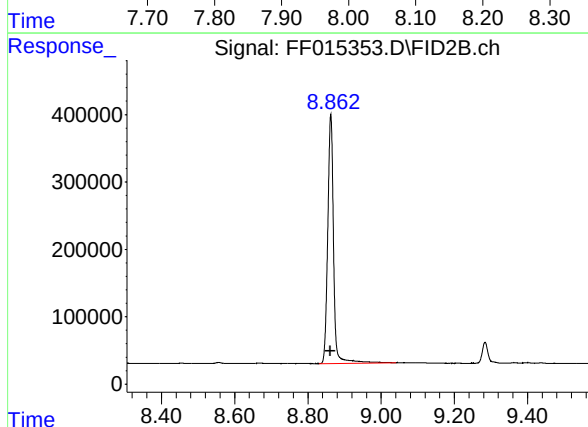




## #4 2-Bromonaphthalene (SURR)

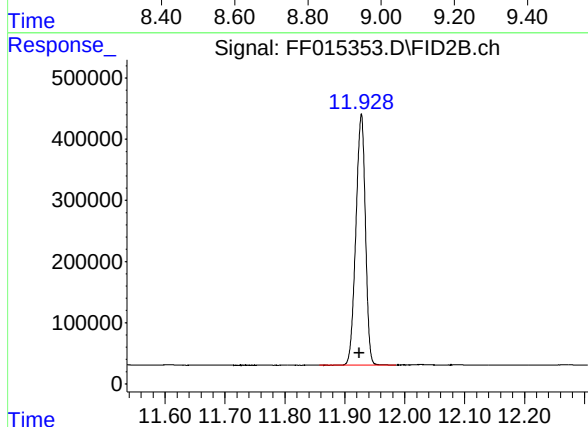
R.T.: 7.989 min  
Delta R.T.: 0.000 min  
Response: 6282099  
Conc: 47.59 ug/ml

Instrument :  
FID\_F  
ClientSampleId :  
B-110-SB02



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.862 min  
Delta R.T.: 0.000 min  
Response: 4067153  
Conc: 48.18 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.927 min  
Delta R.T.: 0.003 min  
Response: 4518606  
Conc: 26.25 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012925AR\  
 Data File : FF015353.D  
 Signal(s) : FID2B.ch  
 Acq On : 29 Jan 2025 09:48  
 Sample : Q1194-02  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.444       | 4.429        | 4.490      | VV       | 163            | 3468         | 0.06%          | 0.016%        |
| 2         | 4.507       | 4.490        | 4.537      | VV       | 286            | 4858         | 0.08%          | 0.022%        |
| 3         | 4.561       | 4.537        | 4.583      | VV       | 1019           | 12355        | 0.20%          | 0.056%        |
| 4         | 4.597       | 4.583        | 4.626      | VV       | 212            | 3778         | 0.06%          | 0.017%        |
| 5         | 4.639       | 4.626        | 4.653      | VV       | 198            | 2496         | 0.04%          | 0.011%        |
| 6         | 4.686       | 4.653        | 4.715      | VV       | 448            | 6985         | 0.11%          | 0.031%        |
| 7         | 4.749       | 4.715        | 4.781      | PV       | 984            | 15590        | 0.25%          | 0.070%        |
| 8         | 4.785       | 4.781        | 4.797      | VV       | 190            | 1362         | 0.02%          | 0.006%        |
| 9         | 4.811       | 4.797        | 4.828      | VV       | 704            | 7952         | 0.13%          | 0.036%        |
| 10        | 4.845       | 4.828        | 4.866      | VV       | 1394           | 14975        | 0.24%          | 0.067%        |
| 11        | 4.870       | 4.866        | 4.882      | VV       | 194            | 1639         | 0.03%          | 0.007%        |
| 12        | 4.936       | 4.882        | 4.962      | VV       | 489            | 14506        | 0.23%          | 0.065%        |
| 13        | 4.973       | 4.962        | 5.036      | VV       | 442            | 11512        | 0.18%          | 0.052%        |
| 14        | 5.053       | 5.036        | 5.097      | VV       | 483            | 8397         | 0.13%          | 0.038%        |
| 15        | 5.117       | 5.097        | 5.129      | VV       | 218            | 2884         | 0.05%          | 0.013%        |
| 16        | 5.135       | 5.129        | 5.153      | VV       | 147            | 1334         | 0.02%          | 0.006%        |
| 17        | 5.175       | 5.153        | 5.201      | VV       | 237            | 3488         | 0.06%          | 0.016%        |
| 18        | 5.237       | 5.212        | 5.245      | VV       | 482            | 5723         | 0.09%          | 0.026%        |
| 19        | 5.263       | 5.245        | 5.297      | VV       | 2813           | 34114        | 0.54%          | 0.153%        |
| 20        | 5.324       | 5.297        | 5.350      | VV       | 522            | 7736         | 0.12%          | 0.035%        |
| 21        | 5.383       | 5.362        | 5.407      | PV       | 232            | 3241         | 0.05%          | 0.015%        |
| 22        | 5.433       | 5.429        | 5.454      | VV       | 110            | 1006         | 0.02%          | 0.005%        |
| 23        | 5.468       | 5.454        | 5.489      | VV       | 184            | 2359         | 0.04%          | 0.011%        |
| 24        | 5.507       | 5.489        | 5.547      | VV       | 1674           | 21938        | 0.35%          | 0.099%        |
| 25        | 5.552       | 5.547        | 5.570      | VV       | 225            | 1754         | 0.03%          | 0.008%        |
| 26        | 5.580       | 5.570        | 5.587      | VV       | 164            | 1210         | 0.02%          | 0.005%        |
| 27        | 5.598       | 5.587        | 5.627      | VV       | 116            | 1914         | 0.03%          | 0.009%        |
| 28        | 5.665       | 5.651        | 5.680      | VV       | 197            | 2015         | 0.03%          | 0.009%        |
| 29        | 5.700       | 5.680        | 5.724      | VV       | 401            | 5706         | 0.09%          | 0.026%        |
| 30        | 5.742       | 5.724        | 5.764      | VV       | 815            | 9887         | 0.16%          | 0.044%        |
| 31        | 5.806       | 5.764        | 5.819      | VV       | 260            | 5008         | 0.08%          | 0.023%        |
| 32        | 5.831       | 5.827        | 5.855      | VV       | 114            | 1208         | 0.02%          | 0.005%        |
| 33        | 5.875       | 5.870        | 5.902      | VV       | 150            | 2023         | 0.03%          | 0.009%        |
| 34        | 5.960       | 5.932        | 5.985      | PV       | 223            | 3663         | 0.06%          | 0.016%        |
| 35        | 6.010       | 5.985        | 6.026      | VV       | 187            | 2758         | 0.04%          | 0.012%        |
| 36        | 6.077       | 6.062        | 6.124      | VV       | 220            | 4748         | 0.08%          | 0.021%        |

|    |       |       |       |    | rterres |         |         |         |
|----|-------|-------|-------|----|---------|---------|---------|---------|
| 37 | 6.138 | 6.124 | 6.152 | VV | 125     | 1757    | 0.03%   | 0.008%  |
| 38 | 6.190 | 6.152 | 6.209 | VV | 283     | 7416    | 0.12%   | 0.033%  |
| 39 | 6.220 | 6.209 | 6.225 | VV | 384     | 3354    | 0.05%   | 0.015%  |
| 40 | 6.231 | 6.225 | 6.248 | VV | 387     | 4210    | 0.07%   | 0.019%  |
| 41 | 6.274 | 6.248 | 6.320 | VV | 1199    | 23466   | 0.37%   | 0.105%  |
| 42 | 6.326 | 6.320 | 6.355 | VV | 447     | 7488    | 0.12%   | 0.034%  |
| 43 | 6.374 | 6.355 | 6.419 | VV | 745     | 14881   | 0.24%   | 0.067%  |
| 44 | 6.444 | 6.419 | 6.472 | VV | 1565    | 21821   | 0.35%   | 0.098%  |
| 45 | 6.500 | 6.472 | 6.505 | VV | 406     | 5240    | 0.08%   | 0.024%  |
| 46 | 6.517 | 6.505 | 6.555 | VV | 385     | 7023    | 0.11%   | 0.032%  |
| 47 | 6.574 | 6.555 | 6.589 | VV | 511     | 6304    | 0.10%   | 0.028%  |
| 48 | 6.593 | 6.589 | 6.600 | VV | 220     | 1186    | 0.02%   | 0.005%  |
| 49 | 6.607 | 6.600 | 6.649 | VV | 236     | 4833    | 0.08%   | 0.022%  |
| 50 | 6.654 | 6.649 | 6.683 | VV | 137     | 2209    | 0.04%   | 0.010%  |
| 51 | 6.690 | 6.683 | 6.707 | VV | 114     | 1362    | 0.02%   | 0.006%  |
| 52 | 6.728 | 6.707 | 6.759 | VV | 1580    | 19658   | 0.31%   | 0.088%  |
| 53 | 6.767 | 6.759 | 6.792 | VV | 263     | 3271    | 0.05%   | 0.015%  |
| 54 | 6.812 | 6.792 | 6.833 | VV | 500     | 6927    | 0.11%   | 0.031%  |
| 55 | 6.849 | 6.833 | 6.867 | VV | 339     | 4318    | 0.07%   | 0.019%  |
| 56 | 6.882 | 6.867 | 6.902 | VV | 822     | 9347    | 0.15%   | 0.042%  |
| 57 | 6.913 | 6.902 | 6.939 | VV | 266     | 3245    | 0.05%   | 0.015%  |
| 58 | 6.957 | 6.939 | 6.984 | PV | 528     | 5592    | 0.09%   | 0.025%  |
| 59 | 7.005 | 6.984 | 7.012 | VV | 173     | 1689    | 0.03%   | 0.008%  |
| 60 | 7.060 | 7.032 | 7.091 | PV | 210     | 3697    | 0.06%   | 0.017%  |
| 61 | 7.116 | 7.091 | 7.130 | VV | 293     | 3880    | 0.06%   | 0.017%  |
| 62 | 7.137 | 7.130 | 7.149 | VV | 148     | 1126    | 0.02%   | 0.005%  |
| 63 | 7.185 | 7.159 | 7.214 | VV | 491     | 8092    | 0.13%   | 0.036%  |
| 64 | 7.239 | 7.214 | 7.274 | VV | 643     | 13921   | 0.22%   | 0.063%  |
| 65 | 7.288 | 7.274 | 7.334 | VV | 619     | 13989   | 0.22%   | 0.063%  |
| 66 | 7.367 | 7.334 | 7.420 | VV | 1247    | 25248   | 0.40%   | 0.113%  |
| 67 | 7.449 | 7.420 | 7.468 | VV | 572     | 9507    | 0.15%   | 0.043%  |
| 68 | 7.475 | 7.468 | 7.498 | VV | 296     | 3280    | 0.05%   | 0.015%  |
| 69 | 7.531 | 7.498 | 7.566 | VV | 1852    | 26120   | 0.41%   | 0.117%  |
| 70 | 7.590 | 7.566 | 7.598 | VV | 372     | 5208    | 0.08%   | 0.023%  |
| 71 | 7.616 | 7.598 | 7.630 | VV | 383     | 5695    | 0.09%   | 0.026%  |
| 72 | 7.637 | 7.630 | 7.653 | VV | 377     | 3961    | 0.06%   | 0.018%  |
| 73 | 7.673 | 7.653 | 7.699 | VV | 789     | 10809   | 0.17%   | 0.049%  |
| 74 | 7.711 | 7.699 | 7.725 | VV | 192     | 1940    | 0.03%   | 0.009%  |
| 75 | 7.741 | 7.725 | 7.750 | VV | 263     | 3150    | 0.05%   | 0.014%  |
| 76 | 7.767 | 7.750 | 7.786 | VV | 377     | 4510    | 0.07%   | 0.020%  |
| 77 | 7.790 | 7.786 | 7.830 | VV | 90      | 1275    | 0.02%   | 0.006%  |
| 78 | 7.843 | 7.830 | 7.867 | VV | 137     | 1549    | 0.02%   | 0.007%  |
| 79 | 7.889 | 7.867 | 7.899 | PV | 155     | 1535    | 0.02%   | 0.007%  |
| 80 | 7.940 | 7.899 | 7.956 | VV | 698     | 9113    | 0.14%   | 0.041%  |
| 81 | 7.989 | 7.956 | 8.040 | VV | 626012  | 6300714 | 100.00% | 28.307% |
| 82 | 8.048 | 8.040 | 8.071 | VV | 2348    | 37749   | 0.60%   | 0.170%  |
| 83 | 8.091 | 8.071 | 8.131 | VV | 1840    | 55361   | 0.88%   | 0.249%  |
| 84 | 8.136 | 8.131 | 8.154 | VV | 1111    | 14624   | 0.23%   | 0.066%  |
| 85 | 8.162 | 8.154 | 8.190 | VV | 986     | 18654   | 0.30%   | 0.084%  |
| 86 | 8.199 | 8.190 | 8.227 | VV | 871     | 15788   | 0.25%   | 0.071%  |
| 87 | 8.249 | 8.227 | 8.280 | VV | 1013    | 22392   | 0.36%   | 0.101%  |
| 88 | 8.284 | 8.280 | 8.292 | VV | 556     | 4111    | 0.07%   | 0.018%  |
| 89 | 8.305 | 8.292 | 8.322 | VV | 712     | 10162   | 0.16%   | 0.046%  |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 90  | 8.338  | 8.322  | 8.365  | VV | 560    | 11734   | 0.19%  | 0.053%  |
| 91  | 8.377  | 8.365  | 8.389  | VV | 406    | 5115    | 0.08%  | 0.023%  |
| 92  | 8.395  | 8.389  | 8.419  | VV | 364    | 5781    | 0.09%  | 0.026%  |
| 93  | 8.456  | 8.419  | 8.480  | VV | 672    | 16597   | 0.26%  | 0.075%  |
| 94  | 8.498  | 8.480  | 8.531  | VV | 417    | 9706    | 0.15%  | 0.044%  |
| 95  | 8.556  | 8.531  | 8.577  | VV | 1854   | 23194   | 0.37%  | 0.104%  |
| 96  | 8.582  | 8.577  | 8.598  | VV | 390    | 4068    | 0.06%  | 0.018%  |
| 97  | 8.605  | 8.598  | 8.613  | VV | 269    | 2208    | 0.04%  | 0.010%  |
| 98  | 8.668  | 8.613  | 8.687  | VV | 752    | 19583   | 0.31%  | 0.088%  |
| 99  | 8.697  | 8.687  | 8.727  | VV | 570    | 10312   | 0.16%  | 0.046%  |
| 100 | 8.753  | 8.727  | 8.772  | VV | 432    | 7100    | 0.11%  | 0.032%  |
| 101 | 8.790  | 8.772  | 8.820  | VV | 502    | 7858    | 0.12%  | 0.035%  |
| 102 | 8.863  | 8.820  | 9.035  | VV | 370313 | 4159151 | 66.01% | 18.686% |
| 103 | 9.036  | 9.035  | 9.040  | VV | 1529   | 4433    | 0.07%  | 0.020%  |
| 104 | 9.044  | 9.040  | 9.057  | VV | 1540   | 14871   | 0.24%  | 0.067%  |
| 105 | 9.064  | 9.057  | 9.080  | VV | 1514   | 20348   | 0.32%  | 0.091%  |
| 106 | 9.097  | 9.080  | 9.147  | VV | 1429   | 45618   | 0.72%  | 0.205%  |
| 107 | 9.158  | 9.147  | 9.187  | VV | 752    | 15917   | 0.25%  | 0.072%  |
| 108 | 9.194  | 9.187  | 9.198  | VV | 639    | 4158    | 0.07%  | 0.019%  |
| 109 | 9.210  | 9.198  | 9.241  | VV | 707    | 15428   | 0.24%  | 0.069%  |
| 110 | 9.284  | 9.241  | 9.331  | VV | 31859  | 372723  | 5.92%  | 1.675%  |
| 111 | 9.336  | 9.331  | 9.350  | VV | 826    | 9144    | 0.15%  | 0.041%  |
| 112 | 9.363  | 9.350  | 9.377  | VV | 1536   | 19190   | 0.30%  | 0.086%  |
| 113 | 9.400  | 9.377  | 9.420  | VV | 1511   | 28668   | 0.45%  | 0.129%  |
| 114 | 9.437  | 9.420  | 9.461  | VV | 1242   | 19538   | 0.31%  | 0.088%  |
| 115 | 9.473  | 9.461  | 9.505  | VV | 620    | 9696    | 0.15%  | 0.044%  |
| 116 | 9.518  | 9.505  | 9.537  | VV | 411    | 5629    | 0.09%  | 0.025%  |
| 117 | 9.568  | 9.537  | 9.590  | VV | 592    | 11362   | 0.18%  | 0.051%  |
| 118 | 9.613  | 9.590  | 9.647  | VV | 427    | 10311   | 0.16%  | 0.046%  |
| 119 | 9.677  | 9.647  | 9.706  | VV | 327    | 8622    | 0.14%  | 0.039%  |
| 120 | 9.713  | 9.706  | 9.729  | VV | 241    | 2483    | 0.04%  | 0.011%  |
| 121 | 9.751  | 9.729  | 9.808  | VV | 654    | 13859   | 0.22%  | 0.062%  |
| 122 | 9.829  | 9.808  | 9.871  | VV | 338    | 7917    | 0.13%  | 0.036%  |
| 123 | 9.889  | 9.871  | 9.931  | VV | 444    | 7787    | 0.12%  | 0.035%  |
| 124 | 9.944  | 9.931  | 9.974  | VV | 306    | 5089    | 0.08%  | 0.023%  |
| 125 | 10.000 | 9.974  | 10.012 | VV | 715    | 9801    | 0.16%  | 0.044%  |
| 126 | 10.032 | 10.012 | 10.146 | VV | 21320  | 321276  | 5.10%  | 1.443%  |
| 127 | 10.163 | 10.146 | 10.219 | VV | 1131   | 24703   | 0.39%  | 0.111%  |
| 128 | 10.234 | 10.219 | 10.260 | VV | 479    | 9317    | 0.15%  | 0.042%  |
| 129 | 10.264 | 10.260 | 10.285 | VV | 347    | 3701    | 0.06%  | 0.017%  |
| 130 | 10.290 | 10.285 | 10.312 | VV | 256    | 3109    | 0.05%  | 0.014%  |
| 131 | 10.315 | 10.312 | 10.325 | VV | 280    | 1634    | 0.03%  | 0.007%  |
| 132 | 10.331 | 10.325 | 10.335 | VV | 297    | 1444    | 0.02%  | 0.006%  |
| 133 | 10.340 | 10.335 | 10.375 | VV | 277    | 3929    | 0.06%  | 0.018%  |
| 134 | 10.394 | 10.375 | 10.422 | VV | 335    | 6043    | 0.10%  | 0.027%  |
| 135 | 10.433 | 10.422 | 10.439 | VV | 220    | 1647    | 0.03%  | 0.007%  |
| 136 | 10.443 | 10.439 | 10.453 | VV | 247    | 1531    | 0.02%  | 0.007%  |
| 137 | 10.497 | 10.453 | 10.517 | VV | 434    | 10245   | 0.16%  | 0.046%  |
| 138 | 10.521 | 10.517 | 10.535 | VV | 277    | 2405    | 0.04%  | 0.011%  |
| 139 | 10.556 | 10.535 | 10.574 | VV | 451    | 7371    | 0.12%  | 0.033%  |
| 140 | 10.591 | 10.574 | 10.612 | VV | 465    | 7481    | 0.12%  | 0.034%  |
| 141 | 10.618 | 10.612 | 10.640 | VV | 334    | 4859    | 0.08%  | 0.022%  |



|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 10.645 | 10.640 | 10.667 | VV | 336    | 3725    | 0.06%  | 0.017%  |
| 143 | 10.685 | 10.667 | 10.706 | VV | 1084   | 13159   | 0.21%  | 0.059%  |
| 144 | 10.722 | 10.706 | 10.742 | VV | 427    | 5642    | 0.09%  | 0.025%  |
| 145 | 10.766 | 10.742 | 10.784 | VV | 747    | 11051   | 0.18%  | 0.050%  |
| 146 | 10.790 | 10.784 | 10.815 | VV | 366    | 5709    | 0.09%  | 0.026%  |
| 147 | 10.835 | 10.815 | 10.864 | VV | 444    | 10784   | 0.17%  | 0.048%  |
| 148 | 10.887 | 10.864 | 10.893 | VV | 600    | 8570    | 0.14%  | 0.039%  |
| 149 | 10.898 | 10.893 | 10.940 | VV | 526    | 9419    | 0.15%  | 0.042%  |
| 150 | 10.961 | 10.940 | 10.974 | VV | 485    | 6022    | 0.10%  | 0.027%  |
| 151 | 10.977 | 10.974 | 10.984 | VV | 303    | 1752    | 0.03%  | 0.008%  |
| 152 | 10.987 | 10.984 | 10.996 | VV | 284    | 1975    | 0.03%  | 0.009%  |
| 153 | 11.031 | 10.996 | 11.070 | VV | 677    | 16564   | 0.26%  | 0.074%  |
| 154 | 11.096 | 11.070 | 11.105 | VV | 263    | 4331    | 0.07%  | 0.019%  |
| 155 | 11.125 | 11.105 | 11.151 | VV | 374    | 7465    | 0.12%  | 0.034%  |
| 156 | 11.171 | 11.151 | 11.195 | VV | 405    | 7974    | 0.13%  | 0.036%  |
| 157 | 11.200 | 11.195 | 11.211 | VV | 306    | 2240    | 0.04%  | 0.010%  |
| 158 | 11.217 | 11.211 | 11.236 | VV | 269    | 3891    | 0.06%  | 0.017%  |
| 159 | 11.253 | 11.236 | 11.257 | VV | 426    | 4481    | 0.07%  | 0.020%  |
| 160 | 11.273 | 11.257 | 11.313 | VV | 573    | 12399   | 0.20%  | 0.056%  |
| 161 | 11.332 | 11.313 | 11.354 | VV | 428    | 7060    | 0.11%  | 0.032%  |
| 162 | 11.359 | 11.354 | 11.371 | VV | 223    | 1945    | 0.03%  | 0.009%  |
| 163 | 11.375 | 11.371 | 11.422 | VV | 180    | 3517    | 0.06%  | 0.016%  |
| 164 | 11.430 | 11.422 | 11.437 | VV | 139    | 1051    | 0.02%  | 0.005%  |
| 165 | 11.442 | 11.437 | 11.462 | VV | 165    | 1120    | 0.02%  | 0.005%  |
| 166 | 11.475 | 11.462 | 11.500 | PV | 170    | 2047    | 0.03%  | 0.009%  |
| 167 | 11.537 | 11.514 | 11.560 | VV | 714    | 9508    | 0.15%  | 0.043%  |
| 168 | 11.582 | 11.560 | 11.590 | VV | 548    | 6060    | 0.10%  | 0.027%  |
| 169 | 11.605 | 11.590 | 11.636 | VV | 880    | 12655   | 0.20%  | 0.057%  |
| 170 | 11.658 | 11.636 | 11.667 | VV | 254    | 2744    | 0.04%  | 0.012%  |
| 171 | 11.684 | 11.667 | 11.722 | VV | 422    | 8475    | 0.13%  | 0.038%  |
| 172 | 11.732 | 11.722 | 11.752 | PV | 113    | 1166    | 0.02%  | 0.005%  |
| 173 | 11.769 | 11.752 | 11.788 | VV | 246    | 3135    | 0.05%  | 0.014%  |
| 174 | 11.800 | 11.788 | 11.828 | VV | 200    | 2825    | 0.04%  | 0.013%  |
| 175 | 11.854 | 11.828 | 11.880 | PV | 230    | 3116    | 0.05%  | 0.014%  |
| 176 | 11.928 | 11.880 | 11.990 | VV | 409805 | 4541568 | 72.08% | 20.404% |
| 177 | 12.026 | 11.990 | 12.062 | VV | 1166   | 30099   | 0.48%  | 0.135%  |
| 178 | 12.089 | 12.062 | 12.114 | VV | 791    | 15778   | 0.25%  | 0.071%  |
| 179 | 12.132 | 12.114 | 12.145 | VV | 301    | 4236    | 0.07%  | 0.019%  |
| 180 | 12.157 | 12.154 | 12.167 | VV | 239    | 1544    | 0.02%  | 0.007%  |
| 181 | 12.174 | 12.167 | 12.184 | VV | 181    | 1531    | 0.02%  | 0.007%  |
| 182 | 12.189 | 12.184 | 12.199 | VV | 189    | 1393    | 0.02%  | 0.006%  |
| 183 | 12.206 | 12.199 | 12.212 | VV | 253    | 1917    | 0.03%  | 0.009%  |
| 184 | 12.216 | 12.212 | 12.224 | VV | 265    | 1645    | 0.03%  | 0.007%  |
| 185 | 12.269 | 12.224 | 12.299 | VV | 725    | 19598   | 0.31%  | 0.088%  |
| 186 | 12.332 | 12.299 | 12.356 | VV | 4146   | 58750   | 0.93%  | 0.264%  |
| 187 | 12.372 | 12.356 | 12.394 | VV | 821    | 13605   | 0.22%  | 0.061%  |
| 188 | 12.406 | 12.394 | 12.462 | VV | 537    | 14878   | 0.24%  | 0.067%  |
| 189 | 12.523 | 12.462 | 12.593 | VV | 7046   | 135792  | 2.16%  | 0.610%  |
| 190 | 12.604 | 12.593 | 12.621 | VV | 853    | 11709   | 0.19%  | 0.053%  |
| 191 | 12.628 | 12.621 | 12.652 | VV | 645    | 10880   | 0.17%  | 0.049%  |
| 192 | 12.658 | 12.652 | 12.679 | VV | 613    | 8538    | 0.14%  | 0.038%  |
| 193 | 12.682 | 12.679 | 12.709 | VV | 503    | 7817    | 0.12%  | 0.035%  |
| 194 | 12.712 | 12.709 | 12.729 | VV | 428    | 4558    | 0.07%  | 0.020%  |

|     |        |        |        |    | rt    | Area   | Height | %Area  | %Height |
|-----|--------|--------|--------|----|-------|--------|--------|--------|---------|
| 195 | 12.736 | 12.729 | 12.748 | VV | 520   | 5002   | 0.08%  | 0.022% |         |
| 196 | 12.779 | 12.748 | 12.825 | VV | 1655  | 32167  | 0.51%  | 0.145% |         |
| 197 | 12.857 | 12.825 | 12.894 | VV | 865   | 16748  | 0.27%  | 0.075% |         |
| 198 | 12.919 | 12.894 | 12.945 | VV | 1196  | 18250  | 0.29%  | 0.082% |         |
| 199 | 12.984 | 12.945 | 13.029 | VV | 6054  | 90745  | 1.44%  | 0.408% |         |
| 200 | 13.040 | 13.029 | 13.094 | VV | 381   | 7403   | 0.12%  | 0.033% |         |
| 201 | 13.104 | 13.094 | 13.116 | VV | 171   | 1791   | 0.03%  | 0.008% |         |
| 202 | 13.139 | 13.116 | 13.159 | VV | 741   | 10482  | 0.17%  | 0.047% |         |
| 203 | 13.164 | 13.159 | 13.176 | VV | 114   | 1146   | 0.02%  | 0.005% |         |
| 204 | 13.199 | 13.176 | 13.229 | VV | 295   | 5816   | 0.09%  | 0.026% |         |
| 205 | 13.283 | 13.256 | 13.300 | VV | 620   | 8872   | 0.14%  | 0.040% |         |
| 206 | 13.319 | 13.300 | 13.333 | VV | 716   | 9897   | 0.16%  | 0.044% |         |
| 207 | 13.365 | 13.333 | 13.471 | VV | 56677 | 723058 | 11.48% | 3.248% |         |
| 208 | 13.477 | 13.471 | 13.509 | VV | 290   | 4635   | 0.07%  | 0.021% |         |
| 209 | 13.554 | 13.509 | 13.565 | VV | 1343  | 23998  | 0.38%  | 0.108% |         |
| 210 | 13.588 | 13.565 | 13.638 | VV | 3126  | 75855  | 1.20%  | 0.341% |         |
| 211 | 13.646 | 13.638 | 13.706 | VV | 917   | 25086  | 0.40%  | 0.113% |         |
| 212 | 13.712 | 13.706 | 13.717 | VV | 485   | 2834   | 0.04%  | 0.013% |         |
| 213 | 13.727 | 13.717 | 13.734 | VV | 565   | 5037   | 0.08%  | 0.023% |         |
| 214 | 13.761 | 13.734 | 13.868 | VV | 3223  | 78284  | 1.24%  | 0.352% |         |
| 215 | 13.883 | 13.868 | 13.897 | VV | 360   | 5324   | 0.08%  | 0.024% |         |
| 216 | 13.910 | 13.897 | 13.915 | VV | 367   | 3346   | 0.05%  | 0.015% |         |
| 217 | 13.940 | 13.915 | 13.953 | VV | 525   | 8847   | 0.14%  | 0.040% |         |
| 218 | 13.983 | 13.953 | 14.015 | VV | 563   | 12251  | 0.19%  | 0.055% |         |
| 219 | 14.072 | 14.015 | 14.100 | VV | 3888  | 57075  | 0.91%  | 0.256% |         |
| 220 | 14.118 | 14.100 | 14.129 | VV | 964   | 12303  | 0.20%  | 0.055% |         |
| 221 | 14.144 | 14.129 | 14.161 | VV | 1282  | 17470  | 0.28%  | 0.078% |         |
| 222 | 14.175 | 14.161 | 14.202 | VV | 807   | 11941  | 0.19%  | 0.054% |         |
| 223 | 14.230 | 14.211 | 14.261 | VV | 428   | 6435   | 0.10%  | 0.029% |         |
| 224 | 14.280 | 14.261 | 14.300 | VV | 217   | 2875   | 0.05%  | 0.013% |         |
| 225 | 14.317 | 14.300 | 14.349 | VV | 217   | 4162   | 0.07%  | 0.019% |         |
| 226 | 14.364 | 14.359 | 14.377 | VV | 151   | 1449   | 0.02%  | 0.007% |         |
| 227 | 14.449 | 14.437 | 14.480 | VV | 206   | 3077   | 0.05%  | 0.014% |         |
| 228 | 14.514 | 14.480 | 14.537 | VV | 672   | 12938  | 0.21%  | 0.058% |         |
| 229 | 14.555 | 14.537 | 14.590 | VV | 852   | 16928  | 0.27%  | 0.076% |         |
| 230 | 14.619 | 14.590 | 14.660 | VV | 605   | 13797  | 0.22%  | 0.062% |         |
| 231 | 14.681 | 14.660 | 14.702 | VV | 523   | 7294   | 0.12%  | 0.033% |         |
| 232 | 14.717 | 14.702 | 14.736 | VV | 370   | 5637   | 0.09%  | 0.025% |         |
| 233 | 14.747 | 14.736 | 14.765 | VV | 334   | 4234   | 0.07%  | 0.019% |         |
| 234 | 14.787 | 14.765 | 14.801 | VV | 777   | 11336  | 0.18%  | 0.051% |         |
| 235 | 14.838 | 14.801 | 14.867 | VV | 3254  | 52850  | 0.84%  | 0.237% |         |
| 236 | 14.874 | 14.867 | 14.928 | VV | 326   | 7128   | 0.11%  | 0.032% |         |
| 237 | 14.941 | 14.928 | 14.968 | VV | 324   | 5684   | 0.09%  | 0.026% |         |
| 238 | 14.971 | 14.968 | 14.983 | VV | 222   | 1567   | 0.02%  | 0.007% |         |
| 239 | 15.017 | 14.983 | 15.055 | VV | 515   | 13918  | 0.22%  | 0.063% |         |
| 240 | 15.067 | 15.055 | 15.084 | VV | 387   | 5198   | 0.08%  | 0.023% |         |
| 241 | 15.147 | 15.084 | 15.163 | VV | 2281  | 55080  | 0.87%  | 0.247% |         |
| 242 | 15.182 | 15.163 | 15.205 | VV | 3103  | 52461  | 0.83%  | 0.236% |         |
| 243 | 15.222 | 15.205 | 15.242 | VV | 1764  | 31165  | 0.49%  | 0.140% |         |
| 244 | 15.271 | 15.242 | 15.334 | VV | 13837 | 212836 | 3.38%  | 0.956% |         |
| 245 | 15.354 | 15.334 | 15.369 | VV | 685   | 10037  | 0.16%  | 0.045% |         |
| 246 | 15.389 | 15.369 | 15.415 | VV | 787   | 13498  | 0.21%  | 0.061% |         |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 247 | 15.444 | 15.415 | 15.475 | VV | 8546   | 109241 | 1.73% | 0.491% |
| 248 | 15.498 | 15.475 | 15.568 | VV | 1317   | 22856  | 0.36% | 0.103% |
| 249 | 15.603 | 15.568 | 15.677 | VV | 18332  | 314708 | 4.99% | 1.414% |
| 250 | 15.702 | 15.677 | 15.728 | VV | 4409   | 71487  | 1.13% | 0.321% |
| 251 | 15.761 | 15.728 | 15.782 | VV | 1902   | 47296  | 0.75% | 0.212% |
| 252 | 15.793 | 15.782 | 15.835 | VV | 897    | 16734  | 0.27% | 0.075% |
| 253 | 15.872 | 15.835 | 15.919 | VV | 2836   | 43127  | 0.68% | 0.194% |
| 254 | 15.964 | 15.934 | 15.992 | VV | 329    | 6579   | 0.10% | 0.030% |
| 255 | 16.031 | 16.005 | 16.033 | VV | 279    | 3316   | 0.05% | 0.015% |
| 256 | 16.057 | 16.033 | 16.082 | VV | 3145   | 42201  | 0.67% | 0.190% |
| 257 | 16.126 | 16.082 | 16.167 | VV | 847    | 25171  | 0.40% | 0.113% |
| 258 | 16.178 | 16.167 | 16.187 | VV | 517    | 5900   | 0.09% | 0.027% |
| 259 | 16.207 | 16.187 | 16.227 | VV | 1089   | 17213  | 0.27% | 0.077% |
| 260 | 16.246 | 16.227 | 16.279 | VV | 1260   | 19130  | 0.30% | 0.086% |
| 261 | 16.310 | 16.279 | 16.369 | VV | 6563   | 97862  | 1.55% | 0.440% |
| 262 | 16.387 | 16.369 | 16.412 | VV | 407    | 7535   | 0.12% | 0.034% |
| 263 | 16.427 | 16.412 | 16.459 | VV | 298    | 5617   | 0.09% | 0.025% |
| 264 | 16.481 | 16.474 | 16.524 | VV | 66     | 1252   | 0.02% | 0.006% |
| 265 | 16.559 | 16.539 | 16.582 | VV | 147    | 2035   | 0.03% | 0.009% |
| 266 | 16.618 | 16.582 | 16.687 | VV | 13307  | 235775 | 3.74% | 1.059% |
| 267 | 16.709 | 16.687 | 16.717 | VV | 2266   | 32529  | 0.52% | 0.146% |
| 268 | 16.732 | 16.717 | 16.754 | VV | 2730   | 44193  | 0.70% | 0.199% |
| 269 | 16.777 | 16.754 | 16.786 | VV | 943    | 17359  | 0.28% | 0.078% |
| 270 | 16.811 | 16.786 | 16.852 | VV | 1547   | 34034  | 0.54% | 0.153% |
| 271 | 16.872 | 16.852 | 16.896 | VV | 538    | 10516  | 0.17% | 0.047% |
| 272 | 16.912 | 16.896 | 16.921 | VV | 519    | 6841   | 0.11% | 0.031% |
| 273 | 16.928 | 16.921 | 16.987 | VV | 452    | 11922  | 0.19% | 0.054% |
| 274 | 17.020 | 16.987 | 17.049 | VV | 253    | 7262   | 0.12% | 0.033% |
| 275 | 17.101 | 17.049 | 17.140 | VV | 1458   | 45698  | 0.73% | 0.205% |
| 276 | 17.161 | 17.140 | 17.179 | VV | 1136   | 22546  | 0.36% | 0.101% |
| 277 | 17.198 | 17.179 | 17.227 | VV | 2627   | 44025  | 0.70% | 0.198% |
| 278 | 17.249 | 17.227 | 17.258 | VV | 2418   | 30653  | 0.49% | 0.138% |
| 279 | 17.277 | 17.258 | 17.361 | VV | 5128   | 79589  | 1.26% | 0.358% |
| 280 | 17.388 | 17.361 | 17.397 | PV | 142    | 1320   | 0.02% | 0.006% |
| 281 | 17.432 | 17.419 | 17.459 | VV | 221    | 2714   | 0.04% | 0.012% |
| 282 | 17.486 | 17.459 | 17.500 | VV | 168    | 2236   | 0.04% | 0.010% |
| 283 | 17.562 | 17.500 | 17.605 | VV | 7572   | 143430 | 2.28% | 0.644% |
| 284 | 17.611 | 17.605 | 17.616 | VV | 1440   | 8510   | 0.14% | 0.038% |
| 285 | 17.619 | 17.616 | 17.625 | VV | 1366   | 6982   | 0.11% | 0.031% |
| 286 | 17.649 | 17.625 | 17.687 | VV | 6348   | 104971 | 1.67% | 0.472% |
| 287 | 17.694 | 17.687 | 17.710 | VV | 474    | 5523   | 0.09% | 0.025% |
| 288 | 17.746 | 17.710 | 17.752 | VV | 1305   | 22782  | 0.36% | 0.102% |
| 289 | 17.754 | 17.752 | 17.798 | VV | 1286   | 10834  | 0.17% | 0.049% |
| 290 | 17.818 | 17.798 | 17.843 | PV | 223    | 4141   | 0.07% | 0.019% |
| 291 | 17.866 | 17.843 | 17.891 | VV | 498    | 8551   | 0.14% | 0.038% |
| 292 | 17.926 | 17.904 | 17.940 | VV | 162    | 1856   | 0.03% | 0.008% |
| 293 | 17.965 | 17.940 | 17.991 | VV | 189    | 2876   | 0.05% | 0.013% |
| 294 | 18.018 | 17.991 | 18.041 | PV | 1294   | 20108  | 0.32% | 0.090% |
| 295 | 18.088 | 18.041 | 18.135 | VV | 5181   | 90022  | 1.43% | 0.404% |
| 296 | 18.178 | 18.135 | 18.232 | VV | 6850   | 116780 | 1.85% | 0.525% |
| 297 | 18.237 | 18.232 | 18.241 | VV | 291    | 1608   | 0.03% | 0.007% |
| 298 | 18.264 | 18.241 | 18.269 | VV | 540    | 7125   | 0.11% | 0.032% |
| 299 | 18.294 | 18.269 | 18.325 | VV | 1696   | 38776  | 0.62% | 0.174% |

| rteres                  |        |        |        |    |          |        |              |
|-------------------------|--------|--------|--------|----|----------|--------|--------------|
| 300                     | 18.337 | 18.325 | 18.349 | VV | 1325     | 16855  | 0.27% 0.076% |
| 301                     | 18.365 | 18.349 | 18.389 | VV | 1833     | 32028  | 0.51% 0.144% |
| 302                     | 18.409 | 18.389 | 18.419 | VV | 1900     | 24116  | 0.38% 0.108% |
| 303                     | 18.445 | 18.419 | 18.482 | VV | 13486    | 241942 | 3.84% 1.087% |
| 304                     | 18.515 | 18.482 | 18.551 | VV | 9495     | 202368 | 3.21% 0.909% |
| 305                     | 18.564 | 18.551 | 18.587 | VV | 2318     | 40325  | 0.64% 0.181% |
| 306                     | 18.638 | 18.587 | 18.672 | VV | 16557    | 265870 | 4.22% 1.194% |
| 307                     | 18.678 | 18.672 | 18.702 | VV | 239      | 2226   | 0.04% 0.010% |
| 308                     | 18.743 | 18.702 | 18.787 | PV | 1361     | 37805  | 0.60% 0.170% |
| Sum of corrected areas: |        |        |        |    | 22258590 |        |              |

Aromatic EPH 011425.M Thu Jan 30 03:26:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015193.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 20:37  
Operator : YP\AJ  
Sample : Q1194-02  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB02

Integration File: autoint1.e  
Quant Time: Jan 29 02:38:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.384 | 2781205  | 22.841 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 45.68%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

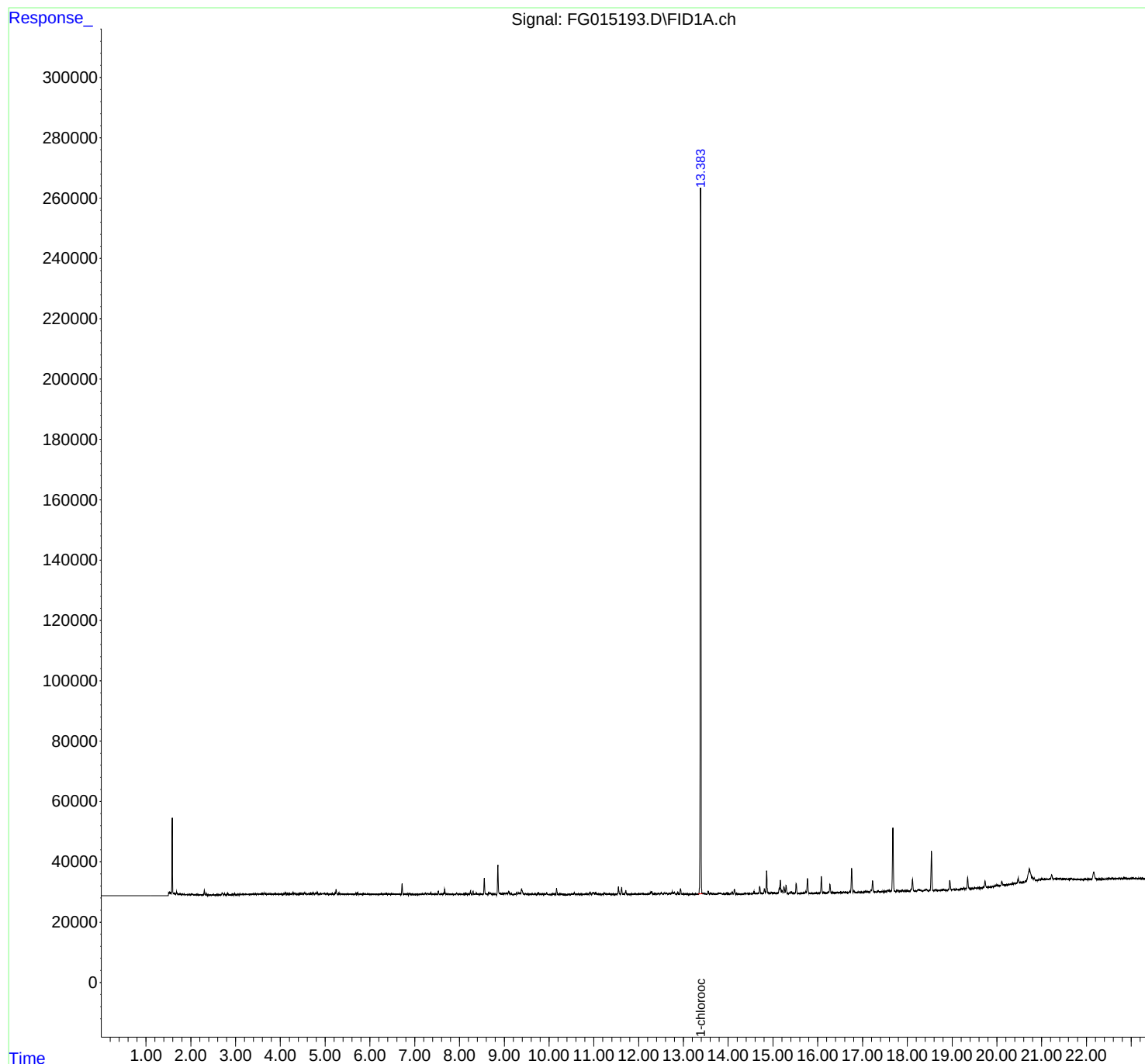
(m)=manual int.

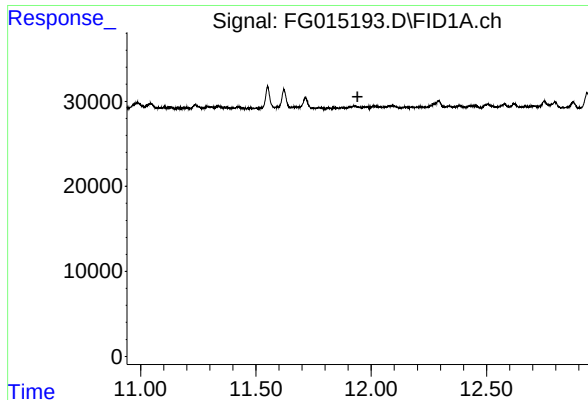
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015193.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 20:37  
Operator : YP\AJ  
Sample : Q1194-02  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB02

Integration File: autoint1.e  
Quant Time: Jan 29 02:38:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

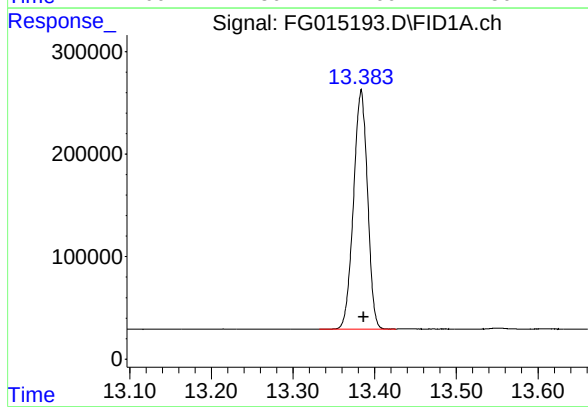




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.940 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min  
Delta R.T.: -0.003 min  
Response: 2781205  
Conc: 22.84 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015193.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 20:37  
 Sample : Q1194-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.284       | 3.222        | 3.315      | BV       | 159            | 2724         | 0.10%          | 0.034%        |
| 2         | 3.374       | 3.315        | 3.388      | PV       | 161            | 2527         | 0.09%          | 0.031%        |
| 3         | 3.396       | 3.388        | 3.435      | VV       | 124            | 1976         | 0.07%          | 0.025%        |
| 4         | 3.490       | 3.435        | 3.508      | VV       | 218            | 5520         | 0.20%          | 0.069%        |
| 5         | 3.526       | 3.508        | 3.558      | VV       | 173            | 3679         | 0.13%          | 0.046%        |
| 6         | 3.639       | 3.558        | 3.658      | VV       | 403            | 11305        | 0.40%          | 0.141%        |
| 7         | 3.676       | 3.658        | 3.711      | VV       | 235            | 4860         | 0.17%          | 0.060%        |
| 8         | 3.736       | 3.711        | 3.823      | VV       | 174            | 9053         | 0.32%          | 0.113%        |
| 9         | 3.833       | 3.823        | 3.849      | VV       | 164            | 1841         | 0.07%          | 0.023%        |
| 10        | 3.867       | 3.849        | 3.892      | VV       | 181            | 3153         | 0.11%          | 0.039%        |
| 11        | 3.908       | 3.892        | 3.989      | VV       | 165            | 8338         | 0.30%          | 0.104%        |
| 12        | 4.005       | 3.989        | 4.046      | VV       | 162            | 4460         | 0.16%          | 0.055%        |
| 13        | 4.080       | 4.046        | 4.093      | VV       | 295            | 5593         | 0.20%          | 0.070%        |
| 14        | 4.113       | 4.093        | 4.139      | VV       | 482            | 7794         | 0.28%          | 0.097%        |
| 15        | 4.152       | 4.139        | 4.178      | VV       | 165            | 3675         | 0.13%          | 0.046%        |
| 16        | 4.189       | 4.178        | 4.198      | VV       | 232            | 2273         | 0.08%          | 0.028%        |
| 17        | 4.206       | 4.198        | 4.238      | VV       | 217            | 4612         | 0.17%          | 0.057%        |
| 18        | 4.284       | 4.238        | 4.308      | VV       | 517            | 13240        | 0.47%          | 0.165%        |
| 19        | 4.316       | 4.308        | 4.327      | VV       | 236            | 2521         | 0.09%          | 0.031%        |
| 20        | 4.337       | 4.327        | 4.385      | VV       | 243            | 7112         | 0.25%          | 0.088%        |
| 21        | 4.461       | 4.385        | 4.508      | VV       | 292            | 15404        | 0.55%          | 0.191%        |
| 22        | 4.540       | 4.508        | 4.602      | VV       | 586            | 17119        | 0.61%          | 0.213%        |
| 23        | 4.610       | 4.602        | 4.648      | VV       | 271            | 6449         | 0.23%          | 0.080%        |
| 24        | 4.668       | 4.648        | 4.708      | VV       | 361            | 9017         | 0.32%          | 0.112%        |
| 25        | 4.730       | 4.708        | 4.752      | VV       | 623            | 9897         | 0.35%          | 0.123%        |
| 26        | 4.762       | 4.752        | 4.775      | VV       | 276            | 3211         | 0.12%          | 0.040%        |
| 27        | 4.792       | 4.775        | 4.808      | VV       | 523            | 7043         | 0.25%          | 0.088%        |
| 28        | 4.826       | 4.808        | 4.864      | VV       | 828            | 13109        | 0.47%          | 0.163%        |
| 29        | 4.875       | 4.864        | 4.881      | VV       | 255            | 2444         | 0.09%          | 0.030%        |
| 30        | 4.889       | 4.881        | 4.931      | VV       | 298            | 7538         | 0.27%          | 0.094%        |
| 31        | 4.959       | 4.931        | 5.020      | VV       | 304            | 14110        | 0.51%          | 0.175%        |
| 32        | 5.042       | 5.020        | 5.072      | VV       | 279            | 7322         | 0.26%          | 0.091%        |
| 33        | 5.080       | 5.072        | 5.125      | VV       | 239            | 6863         | 0.25%          | 0.085%        |
| 34        | 5.129       | 5.125        | 5.142      | VV       | 217            | 1861         | 0.07%          | 0.023%        |
| 35        | 5.158       | 5.142        | 5.195      | VV       | 281            | 6422         | 0.23%          | 0.080%        |
| 36        | 5.245       | 5.195        | 5.287      | VV       | 1684           | 27537        | 0.99%          | 0.342%        |



|    |       |       |       |    | rt   | Area  | Height | %Area  | %Height |
|----|-------|-------|-------|----|------|-------|--------|--------|---------|
| 37 | 5.307 | 5.287 | 5.357 | VV | 460  | 9770  | 0.35%  | 0.121% |         |
| 38 | 5.365 | 5.357 | 5.437 | VV | 228  | 7016  | 0.25%  | 0.087% |         |
| 39 | 5.452 | 5.437 | 5.475 | VV | 203  | 3745  | 0.13%  | 0.047% |         |
| 40 | 5.498 | 5.475 | 5.508 | VV | 217  | 3641  | 0.13%  | 0.045% |         |
| 41 | 5.515 | 5.508 | 5.524 | VV | 213  | 1537  | 0.06%  | 0.019% |         |
| 42 | 5.541 | 5.524 | 5.594 | VV | 187  | 6637  | 0.24%  | 0.083% |         |
| 43 | 5.605 | 5.594 | 5.622 | VV | 149  | 2070  | 0.07%  | 0.026% |         |
| 44 | 5.683 | 5.622 | 5.708 | VV | 477  | 11643 | 0.42%  | 0.145% |         |
| 45 | 5.727 | 5.708 | 5.758 | VV | 605  | 9437  | 0.34%  | 0.117% |         |
| 46 | 5.789 | 5.758 | 5.810 | VV | 264  | 5903  | 0.21%  | 0.073% |         |
| 47 | 5.820 | 5.810 | 5.835 | VV | 160  | 2203  | 0.08%  | 0.027% |         |
| 48 | 5.875 | 5.835 | 5.939 | VV | 259  | 10653 | 0.38%  | 0.132% |         |
| 49 | 5.948 | 5.939 | 5.962 | VV | 163  | 1857  | 0.07%  | 0.023% |         |
| 50 | 5.998 | 5.962 | 6.008 | VV | 213  | 4207  | 0.15%  | 0.052% |         |
| 51 | 6.029 | 6.008 | 6.045 | VV | 182  | 2860  | 0.10%  | 0.036% |         |
| 52 | 6.057 | 6.045 | 6.103 | VV | 149  | 4194  | 0.15%  | 0.052% |         |
| 53 | 6.132 | 6.103 | 6.144 | VV | 149  | 2907  | 0.10%  | 0.036% |         |
| 54 | 6.161 | 6.144 | 6.238 | VV | 138  | 6724  | 0.24%  | 0.084% |         |
| 55 | 6.259 | 6.238 | 6.300 | VV | 255  | 6896  | 0.25%  | 0.086% |         |
| 56 | 6.319 | 6.300 | 6.344 | VV | 257  | 5292  | 0.19%  | 0.066% |         |
| 57 | 6.363 | 6.344 | 6.387 | VV | 459  | 7076  | 0.25%  | 0.088% |         |
| 58 | 6.431 | 6.387 | 6.462 | VV | 283  | 8845  | 0.32%  | 0.110% |         |
| 59 | 6.504 | 6.462 | 6.587 | VV | 281  | 13214 | 0.47%  | 0.164% |         |
| 60 | 6.602 | 6.587 | 6.615 | VV | 189  | 2396  | 0.09%  | 0.030% |         |
| 61 | 6.618 | 6.615 | 6.627 | VV | 142  | 839   | 0.03%  | 0.010% |         |
| 62 | 6.642 | 6.627 | 6.688 | VV | 142  | 4368  | 0.16%  | 0.054% |         |
| 63 | 6.719 | 6.688 | 6.787 | VV | 3681 | 44293 | 1.59%  | 0.551% |         |
| 64 | 6.806 | 6.787 | 6.827 | VV | 357  | 4955  | 0.18%  | 0.062% |         |
| 65 | 6.839 | 6.827 | 6.855 | VV | 251  | 2938  | 0.11%  | 0.037% |         |
| 66 | 6.874 | 6.855 | 6.894 | VV | 552  | 6904  | 0.25%  | 0.086% |         |
| 67 | 6.908 | 6.894 | 6.926 | VV | 227  | 2543  | 0.09%  | 0.032% |         |
| 68 | 6.949 | 6.926 | 6.991 | VV | 294  | 4340  | 0.16%  | 0.054% |         |
| 69 | 7.003 | 6.991 | 7.017 | VV | 114  | 1097  | 0.04%  | 0.014% |         |
| 70 | 7.051 | 7.017 | 7.072 | VV | 139  | 2717  | 0.10%  | 0.034% |         |
| 71 | 7.095 | 7.072 | 7.102 | VV | 120  | 1693  | 0.06%  | 0.021% |         |
| 72 | 7.109 | 7.102 | 7.115 | VV | 111  | 636   | 0.02%  | 0.008% |         |
| 73 | 7.122 | 7.115 | 7.148 | VV | 129  | 1607  | 0.06%  | 0.020% |         |
| 74 | 7.178 | 7.148 | 7.202 | VV | 399  | 5325  | 0.19%  | 0.066% |         |
| 75 | 7.233 | 7.202 | 7.267 | VV | 434  | 9882  | 0.35%  | 0.123% |         |
| 76 | 7.296 | 7.267 | 7.324 | VV | 421  | 10055 | 0.36%  | 0.125% |         |
| 77 | 7.361 | 7.324 | 7.388 | VV | 626  | 12641 | 0.45%  | 0.157% |         |
| 78 | 7.402 | 7.388 | 7.427 | VV | 252  | 4141  | 0.15%  | 0.051% |         |
| 79 | 7.444 | 7.427 | 7.501 | VV | 293  | 8036  | 0.29%  | 0.100% |         |
| 80 | 7.527 | 7.501 | 7.552 | VV | 1202 | 15466 | 0.55%  | 0.192% |         |
| 81 | 7.586 | 7.552 | 7.597 | VV | 233  | 4915  | 0.18%  | 0.061% |         |
| 82 | 7.608 | 7.597 | 7.620 | VV | 256  | 2974  | 0.11%  | 0.037% |         |
| 83 | 7.638 | 7.620 | 7.648 | VV | 284  | 4139  | 0.15%  | 0.051% |         |
| 84 | 7.670 | 7.648 | 7.717 | VV | 1816 | 24701 | 0.88%  | 0.307% |         |
| 85 | 7.733 | 7.717 | 7.752 | VV | 275  | 4127  | 0.15%  | 0.051% |         |
| 86 | 7.764 | 7.752 | 7.785 | VV | 359  | 4373  | 0.16%  | 0.054% |         |
| 87 | 7.813 | 7.785 | 7.828 | VV | 166  | 3714  | 0.13%  | 0.046% |         |
| 88 | 7.842 | 7.828 | 7.868 | VV | 240  | 3938  | 0.14%  | 0.049% |         |
| 89 | 7.890 | 7.868 | 7.914 | VV | 173  | 3507  | 0.13%  | 0.044% |         |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.937  | 7.914  | 7.968  | VV | 609    | 8224   | 0.29% | 0.102% |
| 91  | 8.004  | 7.968  | 8.075  | VV | 235    | 11003  | 0.39% | 0.137% |
| 92  | 8.103  | 8.075  | 8.115  | VV | 285    | 5143   | 0.18% | 0.064% |
| 93  | 8.133  | 8.115  | 8.147  | VV | 326    | 5501   | 0.20% | 0.068% |
| 94  | 8.159  | 8.147  | 8.180  | VV | 342    | 4920   | 0.18% | 0.061% |
| 95  | 8.201  | 8.180  | 8.225  | VV | 441    | 6676   | 0.24% | 0.083% |
| 96  | 8.247  | 8.225  | 8.280  | VV | 1295   | 15854  | 0.57% | 0.197% |
| 97  | 8.304  | 8.280  | 8.325  | VV | 1250   | 14900  | 0.53% | 0.185% |
| 98  | 8.340  | 8.325  | 8.357  | VV | 244    | 3881   | 0.14% | 0.048% |
| 99  | 8.374  | 8.357  | 8.393  | VV | 545    | 7424   | 0.27% | 0.092% |
| 100 | 8.404  | 8.393  | 8.433  | VV | 252    | 3966   | 0.14% | 0.049% |
| 101 | 8.460  | 8.433  | 8.532  | VV | 492    | 12193  | 0.44% | 0.152% |
| 102 | 8.555  | 8.532  | 8.588  | VV | 5534   | 65116  | 2.33% | 0.809% |
| 103 | 8.604  | 8.588  | 8.629  | VV | 332    | 6112   | 0.22% | 0.076% |
| 104 | 8.660  | 8.629  | 8.688  | VV | 551    | 12626  | 0.45% | 0.157% |
| 105 | 8.705  | 8.688  | 8.734  | VV | 434    | 8208   | 0.29% | 0.102% |
| 106 | 8.751  | 8.734  | 8.774  | VV | 338    | 5194   | 0.19% | 0.065% |
| 107 | 8.792  | 8.774  | 8.830  | VV | 324    | 5572   | 0.20% | 0.069% |
| 108 | 8.858  | 8.830  | 8.898  | VV | 9817   | 115432 | 4.13% | 1.435% |
| 109 | 8.908  | 8.898  | 8.948  | VV | 527    | 11013  | 0.39% | 0.137% |
| 110 | 8.974  | 8.948  | 8.993  | VV | 502    | 10271  | 0.37% | 0.128% |
| 111 | 9.010  | 8.993  | 9.036  | VV | 517    | 10525  | 0.38% | 0.131% |
| 112 | 9.051  | 9.036  | 9.068  | VV | 588    | 8316   | 0.30% | 0.103% |
| 113 | 9.099  | 9.068  | 9.135  | VV | 1149   | 23687  | 0.85% | 0.294% |
| 114 | 9.152  | 9.135  | 9.191  | VV | 402    | 8331   | 0.30% | 0.104% |
| 115 | 9.218  | 9.191  | 9.238  | VV | 304    | 5274   | 0.19% | 0.066% |
| 116 | 9.254  | 9.238  | 9.264  | VV | 326    | 3768   | 0.13% | 0.047% |
| 117 | 9.284  | 9.264  | 9.305  | VV | 920    | 13207  | 0.47% | 0.164% |
| 118 | 9.323  | 9.305  | 9.347  | VV | 587    | 11825  | 0.42% | 0.147% |
| 119 | 9.387  | 9.347  | 9.457  | VV | 1979   | 50600  | 1.81% | 0.629% |
| 120 | 9.475  | 9.457  | 9.502  | VV | 497    | 7404   | 0.27% | 0.092% |
| 121 | 9.525  | 9.502  | 9.553  | VV | 390    | 6366   | 0.23% | 0.079% |
| 122 | 9.577  | 9.553  | 9.598  | VV | 275    | 4435   | 0.16% | 0.055% |
| 123 | 9.627  | 9.598  | 9.657  | VV | 253    | 6914   | 0.25% | 0.086% |
| 124 | 9.689  | 9.657  | 9.718  | VV | 405    | 8839   | 0.32% | 0.110% |
| 125 | 9.724  | 9.718  | 9.734  | VV | 113    | 1203   | 0.04% | 0.015% |
| 126 | 9.758  | 9.734  | 9.792  | VV | 768    | 14556  | 0.52% | 0.181% |
| 127 | 9.808  | 9.792  | 9.839  | VV | 375    | 7082   | 0.25% | 0.088% |
| 128 | 9.849  | 9.839  | 9.878  | VV | 289    | 4856   | 0.17% | 0.060% |
| 129 | 9.896  | 9.878  | 9.932  | VV | 497    | 9076   | 0.33% | 0.113% |
| 130 | 9.949  | 9.932  | 9.975  | VV | 798    | 10495  | 0.38% | 0.130% |
| 131 | 10.011 | 9.975  | 10.028 | VV | 142    | 3849   | 0.14% | 0.048% |
| 132 | 10.039 | 10.028 | 10.065 | VV | 170    | 2836   | 0.10% | 0.035% |
| 133 | 10.090 | 10.065 | 10.147 | PV | 488    | 11087  | 0.40% | 0.138% |
| 134 | 10.170 | 10.147 | 10.196 | VV | 1979   | 24042  | 0.86% | 0.299% |
| 135 | 10.206 | 10.196 | 10.224 | VV | 172    | 2376   | 0.09% | 0.030% |
| 136 | 10.245 | 10.224 | 10.325 | VV | 318    | 11946  | 0.43% | 0.148% |
| 137 | 10.345 | 10.325 | 10.376 | VV | 190    | 3320   | 0.12% | 0.041% |
| 138 | 10.449 | 10.376 | 10.466 | VV | 200    | 5950   | 0.21% | 0.074% |
| 139 | 10.521 | 10.466 | 10.532 | VV | 257    | 7359   | 0.26% | 0.091% |
| 140 | 10.563 | 10.532 | 10.585 | VV | 638    | 12037  | 0.43% | 0.150% |
| 141 | 10.608 | 10.585 | 10.628 | VV | 337    | 6128   | 0.22% | 0.076% |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.652 | 10.628 | 10.672 | VV | 304    | 5453    | 0.20%   | 0.068%  |
| 143 | 10.706 | 10.672 | 10.722 | VV | 259    | 5165    | 0.19%   | 0.064%  |
| 144 | 10.734 | 10.722 | 10.748 | VV | 189    | 2128    | 0.08%   | 0.026%  |
| 145 | 10.771 | 10.748 | 10.782 | VV | 242    | 3495    | 0.13%   | 0.043%  |
| 146 | 10.810 | 10.782 | 10.832 | VV | 247    | 5794    | 0.21%   | 0.072%  |
| 147 | 10.848 | 10.832 | 10.882 | VV | 362    | 8626    | 0.31%   | 0.107%  |
| 148 | 10.914 | 10.882 | 10.948 | VV | 927    | 17690   | 0.63%   | 0.220%  |
| 149 | 10.987 | 10.948 | 11.016 | VV | 836    | 20216   | 0.72%   | 0.251%  |
| 150 | 11.042 | 11.016 | 11.081 | VV | 692    | 15555   | 0.56%   | 0.193%  |
| 151 | 11.105 | 11.081 | 11.118 | VV | 257    | 4414    | 0.16%   | 0.055%  |
| 152 | 11.128 | 11.118 | 11.164 | VV | 231    | 4512    | 0.16%   | 0.056%  |
| 153 | 11.176 | 11.164 | 11.213 | VV | 169    | 4117    | 0.15%   | 0.051%  |
| 154 | 11.237 | 11.213 | 11.266 | VV | 575    | 9643    | 0.35%   | 0.120%  |
| 155 | 11.291 | 11.266 | 11.322 | VV | 292    | 8034    | 0.29%   | 0.100%  |
| 156 | 11.338 | 11.322 | 11.395 | VV | 316    | 9547    | 0.34%   | 0.119%  |
| 157 | 11.422 | 11.395 | 11.461 | VV | 255    | 5963    | 0.21%   | 0.074%  |
| 158 | 11.476 | 11.461 | 11.483 | VV | 141    | 1419    | 0.05%   | 0.018%  |
| 159 | 11.551 | 11.483 | 11.581 | VV | 2642   | 37982   | 1.36%   | 0.472%  |
| 160 | 11.622 | 11.581 | 11.652 | VV | 2309   | 34044   | 1.22%   | 0.423%  |
| 161 | 11.715 | 11.652 | 11.755 | VV | 1308   | 25327   | 0.91%   | 0.315%  |
| 162 | 11.769 | 11.755 | 11.802 | VV | 148    | 3056    | 0.11%   | 0.038%  |
| 163 | 11.814 | 11.802 | 11.832 | VV | 122    | 1939    | 0.07%   | 0.024%  |
| 164 | 11.846 | 11.832 | 11.860 | VV | 146    | 2269    | 0.08%   | 0.028%  |
| 165 | 11.872 | 11.860 | 11.898 | VV | 161    | 2934    | 0.11%   | 0.036%  |
| 166 | 11.928 | 11.898 | 11.959 | VV | 340    | 8886    | 0.32%   | 0.110%  |
| 167 | 11.978 | 11.959 | 11.992 | VV | 279    | 4274    | 0.15%   | 0.053%  |
| 168 | 12.012 | 11.992 | 12.049 | VV | 375    | 8640    | 0.31%   | 0.107%  |
| 169 | 12.086 | 12.049 | 12.135 | VV | 390    | 13340   | 0.48%   | 0.166%  |
| 170 | 12.175 | 12.135 | 12.189 | VV | 216    | 5894    | 0.21%   | 0.073%  |
| 171 | 12.291 | 12.189 | 12.319 | VV | 909    | 30136   | 1.08%   | 0.375%  |
| 172 | 12.335 | 12.319 | 12.363 | VV | 319    | 7021    | 0.25%   | 0.087%  |
| 173 | 12.382 | 12.363 | 12.408 | VV | 393    | 7708    | 0.28%   | 0.096%  |
| 174 | 12.437 | 12.408 | 12.448 | VV | 358    | 7367    | 0.26%   | 0.092%  |
| 175 | 12.453 | 12.448 | 12.475 | VV | 375    | 4295    | 0.15%   | 0.053%  |
| 176 | 12.504 | 12.475 | 12.542 | VV | 545    | 13668   | 0.49%   | 0.170%  |
| 177 | 12.577 | 12.542 | 12.601 | VV | 571    | 12108   | 0.43%   | 0.151%  |
| 178 | 12.619 | 12.601 | 12.652 | VV | 611    | 10894   | 0.39%   | 0.135%  |
| 179 | 12.670 | 12.652 | 12.685 | VV | 294    | 4857    | 0.17%   | 0.060%  |
| 180 | 12.703 | 12.685 | 12.724 | VV | 323    | 6513    | 0.23%   | 0.081%  |
| 181 | 12.751 | 12.724 | 12.774 | VV | 879    | 16028   | 0.57%   | 0.199%  |
| 182 | 12.797 | 12.774 | 12.838 | VV | 799    | 15397   | 0.55%   | 0.191%  |
| 183 | 12.875 | 12.838 | 12.902 | VV | 835    | 13486   | 0.48%   | 0.168%  |
| 184 | 12.936 | 12.902 | 12.991 | VV | 1906   | 28625   | 1.03%   | 0.356%  |
| 185 | 13.013 | 12.991 | 13.030 | VV | 259    | 4446    | 0.16%   | 0.055%  |
| 186 | 13.055 | 13.030 | 13.075 | VV | 298    | 5355    | 0.19%   | 0.067%  |
| 187 | 13.084 | 13.075 | 13.125 | VV | 196    | 3060    | 0.11%   | 0.038%  |
| 188 | 13.137 | 13.125 | 13.161 | PV | 78     | 1096    | 0.04%   | 0.014%  |
| 189 | 13.216 | 13.161 | 13.255 | VV | 251    | 7136    | 0.26%   | 0.089%  |
| 190 | 13.265 | 13.255 | 13.277 | VV | 179    | 1646    | 0.06%   | 0.020%  |
| 191 | 13.296 | 13.277 | 13.325 | VV | 180    | 3577    | 0.13%   | 0.044%  |
| 192 | 13.383 | 13.325 | 13.425 | VV | 231829 | 2791670 | 100.00% | 34.703% |
| 193 | 13.442 | 13.425 | 13.463 | VV | 353    | 6746    | 0.24%   | 0.084%  |
| 194 | 13.472 | 13.463 | 13.503 | VV | 274    | 5069    | 0.18%   | 0.063%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 195 | 13.551 | 13.503 | 13.581 | VV | 1135   | 19859  | 0.71% | 0.247% |
| 196 | 13.609 | 13.581 | 13.646 | VV | 336    | 8615   | 0.31% | 0.107% |
| 197 | 13.671 | 13.646 | 13.705 | VV | 258    | 5728   | 0.21% | 0.071% |
| 198 | 13.722 | 13.705 | 13.735 | VV | 159    | 2246   | 0.08% | 0.028% |
| 199 | 13.781 | 13.735 | 13.795 | VV | 283    | 7898   | 0.28% | 0.098% |
| 200 | 13.825 | 13.795 | 13.880 | VV | 359    | 12207  | 0.44% | 0.152% |
| 201 | 13.895 | 13.880 | 13.919 | VV | 180    | 3177   | 0.11% | 0.039% |
| 202 | 13.942 | 13.919 | 13.955 | VV | 210    | 3635   | 0.13% | 0.045% |
| 203 | 13.959 | 13.955 | 13.965 | VV | 222    | 1063   | 0.04% | 0.013% |
| 204 | 13.995 | 13.965 | 14.031 | VV | 296    | 8574   | 0.31% | 0.107% |
| 205 | 14.086 | 14.031 | 14.112 | VV | 734    | 14254  | 0.51% | 0.177% |
| 206 | 14.138 | 14.112 | 14.168 | VV | 1612   | 23019  | 0.82% | 0.286% |
| 207 | 14.177 | 14.168 | 14.255 | VV | 152    | 5825   | 0.21% | 0.072% |
| 208 | 14.264 | 14.255 | 14.319 | VV | 116    | 2706   | 0.10% | 0.034% |
| 209 | 14.357 | 14.319 | 14.424 | PV | 326    | 10285  | 0.37% | 0.128% |
| 210 | 14.439 | 14.424 | 14.456 | VV | 145    | 2451   | 0.09% | 0.030% |
| 211 | 14.475 | 14.456 | 14.505 | VV | 181    | 4264   | 0.15% | 0.053% |
| 212 | 14.576 | 14.505 | 14.611 | VV | 874    | 19042  | 0.68% | 0.237% |
| 213 | 14.620 | 14.611 | 14.645 | VV | 196    | 3692   | 0.13% | 0.046% |
| 214 | 14.653 | 14.645 | 14.677 | VV | 212    | 3745   | 0.13% | 0.047% |
| 215 | 14.704 | 14.677 | 14.735 | VV | 2448   | 32915  | 1.18% | 0.409% |
| 216 | 14.762 | 14.735 | 14.780 | VV | 251    | 5272   | 0.19% | 0.066% |
| 217 | 14.807 | 14.780 | 14.830 | VV | 1797   | 27009  | 0.97% | 0.336% |
| 218 | 14.857 | 14.830 | 14.886 | VV | 7702   | 101850 | 3.65% | 1.266% |
| 219 | 14.898 | 14.886 | 14.931 | VV | 405    | 7204   | 0.26% | 0.090% |
| 220 | 14.963 | 14.931 | 15.007 | VV | 612    | 14567  | 0.52% | 0.181% |
| 221 | 15.041 | 15.007 | 15.076 | VV | 441    | 11342  | 0.41% | 0.141% |
| 222 | 15.095 | 15.076 | 15.112 | VV | 173    | 3185   | 0.11% | 0.040% |
| 223 | 15.164 | 15.112 | 15.187 | VV | 4533   | 86528  | 3.10% | 1.076% |
| 224 | 15.200 | 15.187 | 15.223 | VV | 1173   | 17253  | 0.62% | 0.214% |
| 225 | 15.246 | 15.223 | 15.270 | VV | 2185   | 34661  | 1.24% | 0.431% |
| 226 | 15.291 | 15.270 | 15.347 | VV | 2761   | 40955  | 1.47% | 0.509% |
| 227 | 15.372 | 15.347 | 15.387 | PV | 397    | 5103   | 0.18% | 0.063% |
| 228 | 15.406 | 15.387 | 15.435 | VV | 628    | 9483   | 0.34% | 0.118% |
| 229 | 15.464 | 15.435 | 15.485 | VV | 278    | 5477   | 0.20% | 0.068% |
| 230 | 15.518 | 15.485 | 15.568 | VV | 3344   | 45481  | 1.63% | 0.565% |
| 231 | 15.588 | 15.568 | 15.645 | PV | 115    | 2734   | 0.10% | 0.034% |
| 232 | 15.675 | 15.645 | 15.703 | VV | 235    | 4397   | 0.16% | 0.055% |
| 233 | 15.728 | 15.703 | 15.742 | VV | 680    | 8989   | 0.32% | 0.112% |
| 234 | 15.769 | 15.742 | 15.872 | VV | 4937   | 75287  | 2.70% | 0.936% |
| 235 | 15.898 | 15.872 | 15.928 | VV | 106    | 1788   | 0.06% | 0.022% |
| 236 | 15.946 | 15.928 | 15.982 | VV | 145    | 3084   | 0.11% | 0.038% |
| 237 | 16.005 | 15.982 | 16.016 | VV | 126    | 1772   | 0.06% | 0.022% |
| 238 | 16.079 | 16.016 | 16.116 | PV | 5503   | 74732  | 2.68% | 0.929% |
| 239 | 16.125 | 16.116 | 16.133 | VV | 196    | 1488   | 0.05% | 0.018% |
| 240 | 16.145 | 16.133 | 16.182 | VV | 230    | 3650   | 0.13% | 0.045% |
| 241 | 16.232 | 16.182 | 16.246 | VV | 505    | 7704   | 0.28% | 0.096% |
| 242 | 16.271 | 16.246 | 16.356 | VV | 2942   | 44755  | 1.60% | 0.556% |
| 243 | 16.365 | 16.356 | 16.390 | VV | 68     | 674    | 0.02% | 0.008% |
| 244 | 16.412 | 16.390 | 16.428 | PV | 130    | 1602   | 0.06% | 0.020% |
| 245 | 16.455 | 16.428 | 16.536 | VV | 180    | 7176   | 0.26% | 0.089% |
| 246 | 16.586 | 16.536 | 16.609 | VV | 273    | 6780   | 0.24% | 0.084% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 16.631 | 16.609 | 16.650 | VV | 241    | 4432   | 0.16%  | 0.055% |
| 248 | 16.657 | 16.650 | 16.681 | VV | 171    | 1634   | 0.06%  | 0.020% |
| 249 | 16.713 | 16.681 | 16.726 | VV | 306    | 5061   | 0.18%  | 0.063% |
| 250 | 16.756 | 16.726 | 16.786 | VV | 8067   | 109630 | 3.93%  | 1.363% |
| 251 | 16.806 | 16.786 | 16.881 | VV | 588    | 10123  | 0.36%  | 0.126% |
| 252 | 16.890 | 16.881 | 16.896 | PV | 99     | 493    | 0.02%  | 0.006% |
| 253 | 16.916 | 16.896 | 16.958 | VV | 226    | 5319   | 0.19%  | 0.066% |
| 254 | 16.975 | 16.958 | 17.010 | VV | 167    | 3265   | 0.12%  | 0.041% |
| 255 | 17.026 | 17.010 | 17.038 | VV | 170    | 1896   | 0.07%  | 0.024% |
| 256 | 17.061 | 17.038 | 17.092 | VV | 267    | 5957   | 0.21%  | 0.074% |
| 257 | 17.108 | 17.092 | 17.162 | VV | 309    | 7570   | 0.27%  | 0.094% |
| 258 | 17.189 | 17.162 | 17.200 | VV | 809    | 10614  | 0.38%  | 0.132% |
| 259 | 17.223 | 17.200 | 17.309 | VV | 3861   | 58745  | 2.10%  | 0.730% |
| 260 | 17.353 | 17.309 | 17.385 | VV | 386    | 7425   | 0.27%  | 0.092% |
| 261 | 17.439 | 17.385 | 17.448 | VV | 230    | 5783   | 0.21%  | 0.072% |
| 262 | 17.464 | 17.448 | 17.487 | VV | 249    | 3817   | 0.14%  | 0.047% |
| 263 | 17.514 | 17.487 | 17.530 | VV | 215    | 4458   | 0.16%  | 0.055% |
| 264 | 17.558 | 17.530 | 17.578 | VV | 586    | 10269  | 0.37%  | 0.128% |
| 265 | 17.590 | 17.578 | 17.625 | VV | 612    | 9392   | 0.34%  | 0.117% |
| 266 | 17.676 | 17.625 | 17.738 | VV | 21045  | 296041 | 10.60% | 3.680% |
| 267 | 17.786 | 17.738 | 17.855 | PV | 362    | 13020  | 0.47%  | 0.162% |
| 268 | 17.887 | 17.855 | 17.912 | VV | 391    | 6805   | 0.24%  | 0.085% |
| 269 | 17.927 | 17.912 | 17.952 | VV | 241    | 4239   | 0.15%  | 0.053% |
| 270 | 17.987 | 17.952 | 18.022 | VV | 289    | 7261   | 0.26%  | 0.090% |
| 271 | 18.036 | 18.022 | 18.048 | VV | 156    | 1592   | 0.06%  | 0.020% |
| 272 | 18.113 | 18.048 | 18.173 | VV | 3868   | 67132  | 2.40%  | 0.835% |
| 273 | 18.191 | 18.173 | 18.212 | VV | 152    | 2551   | 0.09%  | 0.032% |
| 274 | 18.241 | 18.212 | 18.316 | VV | 483    | 18611  | 0.67%  | 0.231% |
| 275 | 18.326 | 18.316 | 18.345 | VV | 111    | 1228   | 0.04%  | 0.015% |
| 276 | 18.431 | 18.345 | 18.481 | VV | 558    | 18215  | 0.65%  | 0.226% |
| 277 | 18.538 | 18.481 | 18.589 | VV | 13228  | 185914 | 6.66%  | 2.311% |
| 278 | 18.624 | 18.589 | 18.645 | PV | 454    | 6825   | 0.24%  | 0.085% |
| 279 | 18.656 | 18.645 | 18.705 | VV | 181    | 3986   | 0.14%  | 0.050% |
| 280 | 18.712 | 18.705 | 18.719 | VV | 48     | 348    | 0.01%  | 0.004% |
| 281 | 18.735 | 18.719 | 18.772 | PV | 178    | 3199   | 0.11%  | 0.040% |
| 282 | 18.803 | 18.772 | 18.831 | VV | 378    | 7497   | 0.27%  | 0.093% |
| 283 | 18.845 | 18.831 | 18.875 | VV | 170    | 2996   | 0.11%  | 0.037% |
| 284 | 18.881 | 18.875 | 18.891 | VV | 87     | 579    | 0.02%  | 0.007% |
| 285 | 18.948 | 18.891 | 18.991 | PV | 3133   | 52545  | 1.88%  | 0.653% |
| 286 | 19.006 | 18.991 | 19.022 | VV | 160    | 1829   | 0.07%  | 0.023% |
| 287 | 19.047 | 19.022 | 19.065 | VV | 230    | 3176   | 0.11%  | 0.039% |
| 288 | 19.098 | 19.065 | 19.145 | VV | 259    | 5799   | 0.21%  | 0.072% |
| 289 | 19.152 | 19.145 | 19.168 | VV | 77     | 653    | 0.02%  | 0.008% |
| 290 | 19.206 | 19.168 | 19.237 | PV | 260    | 6405   | 0.23%  | 0.080% |
| 291 | 19.259 | 19.237 | 19.284 | VV | 695    | 10198  | 0.37%  | 0.127% |
| 292 | 19.306 | 19.284 | 19.318 | VV | 416    | 5700   | 0.20%  | 0.071% |
| 293 | 19.346 | 19.318 | 19.405 | VV | 3935   | 60635  | 2.17%  | 0.754% |
| 294 | 19.416 | 19.405 | 19.428 | VV | 38     | 601    | 0.02%  | 0.007% |
| 295 | 19.485 | 19.428 | 19.510 | VV | 181    | 6135   | 0.22%  | 0.076% |
| 296 | 19.521 | 19.510 | 19.565 | VV | 218    | 4857   | 0.17%  | 0.060% |
| 297 | 19.597 | 19.565 | 19.628 | VV | 205    | 5578   | 0.20%  | 0.069% |
| 298 | 19.685 | 19.628 | 19.698 | VV | 212    | 6076   | 0.22%  | 0.076% |
| 299 | 19.734 | 19.698 | 19.801 | VV | 2330   | 42928  | 1.54%  | 0.534% |

|                         |        |        |        |    | rterres |        |         |        |
|-------------------------|--------|--------|--------|----|---------|--------|---------|--------|
| 300                     | 19.815 | 19.801 | 19.824 | VV | 136     | 1551   | 0.06%   | 0.019% |
| 301                     | 19.902 | 19.824 | 19.908 | VV | 251     | 9423   | 0.34%   | 0.117% |
| 302                     | 19.980 | 19.908 | 20.002 | VV | 593     | 20091  | 0.72%   | 0.250% |
| 303                     | 20.023 | 20.002 | 20.075 | VV | 517     | 18376  | 0.66%   | 0.228% |
| 304                     | 20.110 | 20.075 | 20.136 | VV | 1817    | 35272  | 1.26%   | 0.438% |
| 305                     | 20.157 | 20.136 | 20.195 | VV | 605     | 18301  | 0.66%   | 0.227% |
| 306                     | 20.348 | 20.195 | 20.363 | VV | 733     | 59685  | 2.14%   | 0.742% |
| 307                     | 20.385 | 20.363 | 20.412 | VV | 817     | 21630  | 0.77%   | 0.269% |
| 308                     | 20.476 | 20.412 | 20.513 | VV | 2465    | 72257  | 2.59%   | 0.898% |
| 309                     | 20.535 | 20.513 | 20.561 | VV | 1007    | 27496  | 0.98%   | 0.342% |
| 310                     | 20.572 | 20.561 | 20.580 | VV | 1000    | 10882  | 0.39%   | 0.135% |
| 311                     | 20.586 | 20.580 | 20.597 | VV | 960     | 9712   | 0.35%   | 0.121% |
| 312                     | 20.729 | 20.597 | 20.818 | VV | 4831    | 333434 | 11.94%  | 4.145% |
| 313                     | 20.834 | 20.818 | 20.878 | VV | 2065    | 57574  | 2.06%   | 0.716% |
| 314                     | 20.922 | 20.878 | 20.935 | VV | 1332    | 43623  | 1.56%   | 0.542% |
| 315                     | 21.009 | 20.935 | 21.068 | VV | 1632    | 116639 | 4.18%   | 1.450% |
| 316                     | 21.080 | 21.068 | 21.094 | VV | 1505    | 23358  | 0.84%   | 0.290% |
| 317                     | 21.101 | 21.094 | 21.134 | VV | 1476    | 33828  | 1.21%   | 0.421% |
| 318                     | 21.153 | 21.134 | 21.165 | VV | 1395    | 25521  | 0.91%   | 0.317% |
| 319                     | 21.223 | 21.165 | 21.287 | VV | 2724    | 122634 | 4.39%   | 1.524% |
| 320                     | 21.322 | 21.287 | 21.418 | VV | 1322    | 95933  | 3.44%   | 1.193% |
| 321                     | 21.428 | 21.418 | 21.455 | VV | 1156    | 24182  | 0.87%   | 0.301% |
| 322                     | 21.465 | 21.455 | 21.519 | VV | 1107    | 39823  | 1.43%   | 0.495% |
| 323                     | 21.529 | 21.519 | 21.555 | VV | 997     | 21237  | 0.76%   | 0.264% |
| 324                     | 21.561 | 21.555 | 21.592 | VV | 971     | 20086  | 0.72%   | 0.250% |
| 325                     | 21.602 | 21.592 | 21.623 | VV | 876     | 15746  | 0.56%   | 0.196% |
| 326                     | 21.665 | 21.623 | 21.727 | VV | 1024    | 50387  | 1.80%   | 0.626% |
| 327                     | 21.789 | 21.727 | 21.816 | VV | 671     | 33359  | 1.19%   | 0.415% |
| 328                     | 21.824 | 21.816 | 21.888 | VV | 614     | 22911  | 0.82%   | 0.285% |
| 329                     | 21.899 | 21.888 | 21.948 | VV | 483     | 15414  | 0.55%   | 0.192% |
| 330                     | 21.980 | 21.948 | 21.995 | VV | 459     | 11304  | 0.40%   | 0.141% |
| 331                     | 22.015 | 21.995 | 22.034 | VV | 371     | 8258   | 0.30%   | 0.103% |
| 332                     | 22.046 | 22.034 | 22.065 | VV | 367     | 5947   | 0.21%   | 0.074% |
| 333                     | 22.163 | 22.065 | 22.272 | VV | 2690    | 88777  | 3.18%   | 1.104% |
| 334                     | 22.294 | 22.272 | 22.304 | VV | 147     | 2611   | 0.09%   | 0.032% |
| 335                     | 22.318 | 22.304 | 22.338 | VV | 150     | 2649   | 0.09%   | 0.033% |
| 336                     | 22.382 | 22.338 | 22.395 | VV | 85      | 2020   | 0.07%   | 0.025% |
| Sum of corrected areas: |        |        |        |    |         |        | 8044515 |        |

Aliphatic EPH 011425.M Wed Jan 29 03:46:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015337.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 21:05  
 Operator : YP\AJ  
 Sample : Q1194-03  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 B-113-SB01

Integration File: autoint1.e  
 Quant Time: Jan 29 00:50:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 15 07:05:42 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.993  | 7533896    | 57.075 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 114.15%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.866  | 4747058    | 56.239 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 112.48%      |
| 11) S ortho-Terphenyl (SURR)       | 11.931 | 7699111    | 44.725 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 89.45%       |

Target Compounds

(f)=RT Delta > 1/2 Window

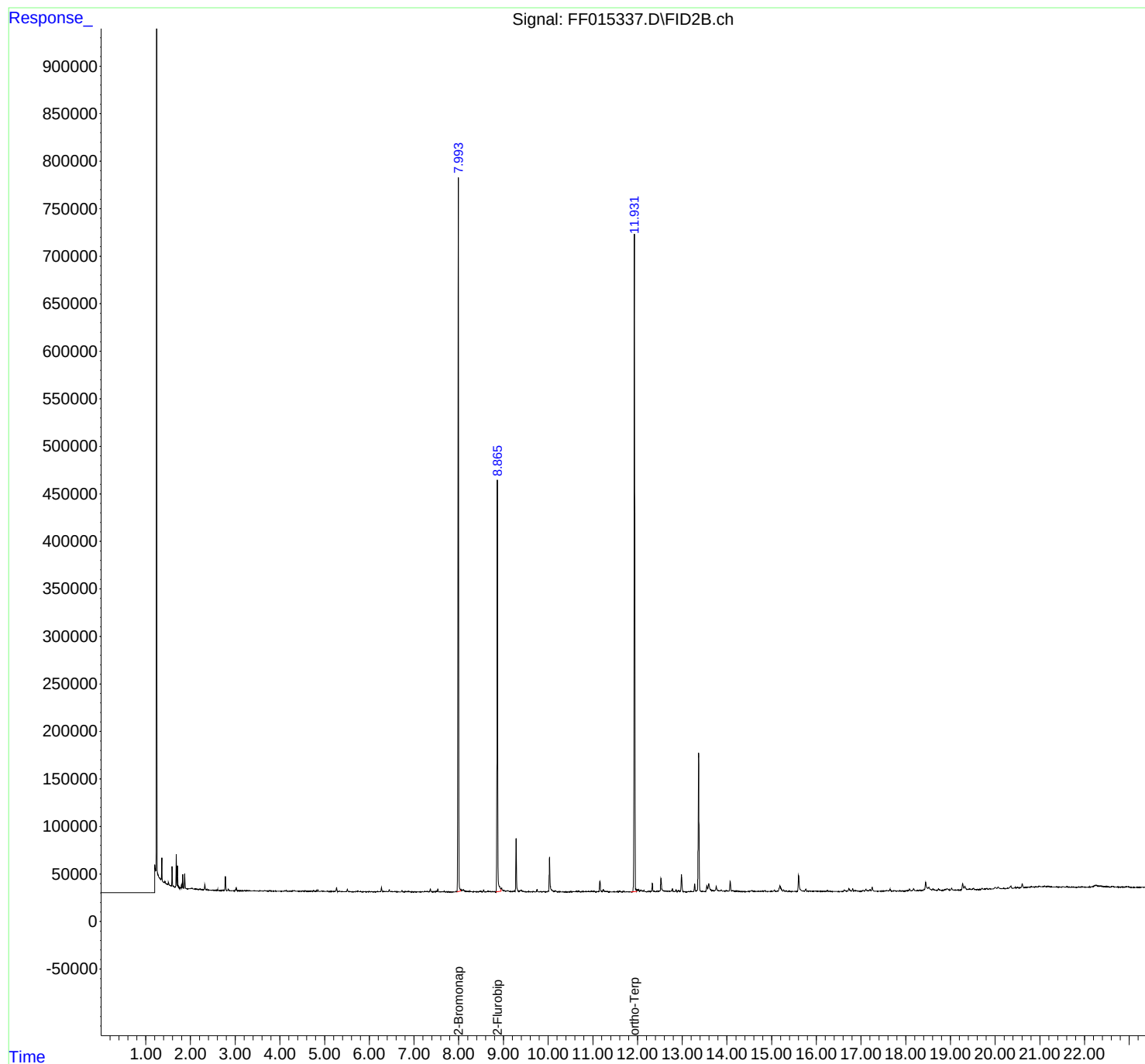
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015337.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 21:05  
Operator : YP\AJ  
Sample : Q1194-03  
Misc :  
ALS Vial : 74 Sample Multiplier: 1

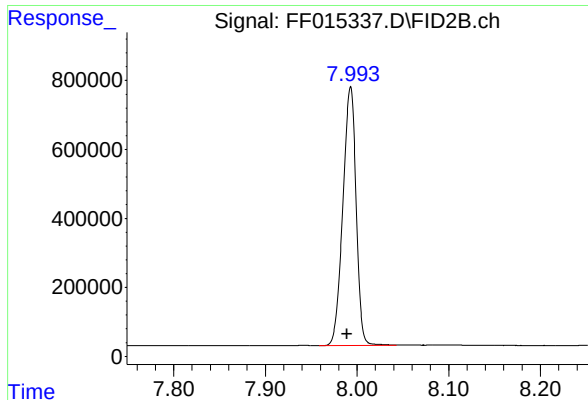
Instrument :  
FID\_F  
ClientSampleId :  
B-113-SB01

Integration File: autoint1.e  
Quant Time: Jan 29 00:50:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Wed Jan 15 07:05:42 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



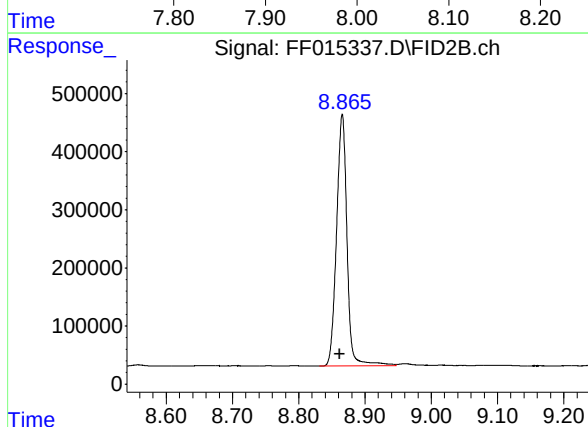




## #4 2-Bromonaphthalene (SURR)

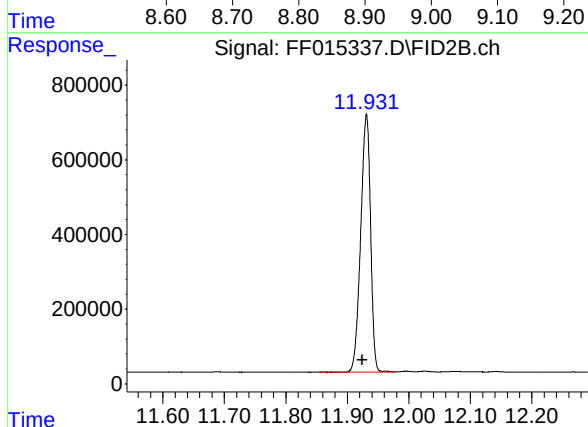
R.T.: 7.993 min  
Delta R.T.: 0.004 min  
Response: 7533896  
Conc: 57.07 ug/ml

Instrument :  
FID\_F  
ClientSampleId :  
B-113-SB01



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.866 min  
Delta R.T.: 0.004 min  
Response: 4747058  
Conc: 56.24 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.931 min  
Delta R.T.: 0.006 min  
Response: 7699111  
Conc: 44.72 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015337.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 21:05  
 Sample : Q1194-03  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.456       | 4.421        | 4.469      | BV       | 204            | 2103         | 0.03%          | 0.007%        |
| 2         | 4.513       | 4.482        | 4.536      | PV       | 347            | 5212         | 0.07%          | 0.018%        |
| 3         | 4.566       | 4.536        | 4.594      | VV       | 1029           | 12923        | 0.17%          | 0.044%        |
| 4         | 4.604       | 4.594        | 4.632      | VV       | 206            | 2960         | 0.04%          | 0.010%        |
| 5         | 4.651       | 4.642        | 4.671      | VV       | 162            | 1804         | 0.02%          | 0.006%        |
| 6         | 4.694       | 4.671        | 4.716      | VV       | 454            | 4484         | 0.06%          | 0.015%        |
| 7         | 4.755       | 4.716        | 4.776      | PV       | 1170           | 15206        | 0.20%          | 0.052%        |
| 8         | 4.787       | 4.776        | 4.802      | VV       | 176            | 1700         | 0.02%          | 0.006%        |
| 9         | 4.817       | 4.802        | 4.834      | VV       | 831            | 8699         | 0.11%          | 0.030%        |
| 10        | 4.851       | 4.834        | 4.876      | VV       | 1705           | 17634        | 0.23%          | 0.060%        |
| 11        | 4.932       | 4.891        | 4.965      | VV       | 700            | 14407        | 0.19%          | 0.049%        |
| 12        | 4.970       | 4.965        | 4.976      | VV       | 332            | 2044         | 0.03%          | 0.007%        |
| 13        | 4.981       | 4.976        | 5.026      | VV       | 378            | 5654         | 0.07%          | 0.019%        |
| 14        | 5.060       | 5.041        | 5.099      | VV       | 520            | 6835         | 0.09%          | 0.023%        |
| 15        | 5.182       | 5.167        | 5.212      | VV       | 202            | 3258         | 0.04%          | 0.011%        |
| 16        | 5.244       | 5.212        | 5.249      | VV       | 588            | 6207         | 0.08%          | 0.021%        |
| 17        | 5.267       | 5.249        | 5.309      | VV       | 4099           | 48612        | 0.63%          | 0.166%        |
| 18        | 5.330       | 5.309        | 5.373      | VV       | 814            | 12154        | 0.16%          | 0.042%        |
| 19        | 5.390       | 5.373        | 5.442      | VV       | 251            | 3890         | 0.05%          | 0.013%        |
| 20        | 5.476       | 5.442        | 5.489      | VV       | 241            | 2822         | 0.04%          | 0.010%        |
| 21        | 5.510       | 5.489        | 5.547      | VV       | 2630           | 30480        | 0.40%          | 0.104%        |
| 22        | 5.560       | 5.547        | 5.577      | VV       | 227            | 2785         | 0.04%          | 0.010%        |
| 23        | 5.579       | 5.577        | 5.601      | VV       | 175            | 1064         | 0.01%          | 0.004%        |
| 24        | 5.611       | 5.601        | 5.635      | VV       | 131            | 1005         | 0.01%          | 0.003%        |
| 25        | 5.665       | 5.635        | 5.681      | PV       | 211            | 3197         | 0.04%          | 0.011%        |
| 26        | 5.701       | 5.681        | 5.719      | VV       | 711            | 8515         | 0.11%          | 0.029%        |
| 27        | 5.747       | 5.719        | 5.770      | VV       | 1280           | 19392        | 0.25%          | 0.066%        |
| 28        | 5.784       | 5.770        | 5.789      | VV       | 161            | 1361         | 0.02%          | 0.005%        |
| 29        | 5.806       | 5.789        | 5.838      | VV       | 367            | 4839         | 0.06%          | 0.017%        |
| 30        | 5.868       | 5.856        | 5.879      | VV       | 114            | 1335         | 0.02%          | 0.005%        |
| 31        | 5.894       | 5.879        | 5.941      | VV       | 293            | 5322         | 0.07%          | 0.018%        |
| 32        | 5.967       | 5.941        | 5.981      | VV       | 246            | 3878         | 0.05%          | 0.013%        |
| 33        | 5.993       | 5.981        | 6.004      | VV       | 358            | 3675         | 0.05%          | 0.013%        |
| 34        | 6.014       | 6.004        | 6.031      | VV       | 291            | 3605         | 0.05%          | 0.012%        |
| 35        | 6.050       | 6.031        | 6.072      | VV       | 401            | 5557         | 0.07%          | 0.019%        |
| 36        | 6.086       | 6.081        | 6.162      | VV       | 200            | 4262         | 0.06%          | 0.015%        |

|    |       |       |       |    | rt     | Area    | %Area  | %Area   |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 6.187 | 6.162 | 6.207 | VV | 378    | 6378    | 0.08%  | 0.022%  |
| 38 | 6.226 | 6.207 | 6.247 | VV | 286    | 5530    | 0.07%  | 0.019%  |
| 39 | 6.272 | 6.247 | 6.302 | VV | 4687   | 53945   | 0.70%  | 0.185%  |
| 40 | 6.309 | 6.302 | 6.324 | VV | 481    | 5512    | 0.07%  | 0.019%  |
| 41 | 6.332 | 6.324 | 6.354 | VV | 450    | 6799    | 0.09%  | 0.023%  |
| 42 | 6.379 | 6.354 | 6.406 | VV | 882    | 13870   | 0.18%  | 0.047%  |
| 43 | 6.410 | 6.406 | 6.423 | VV | 285    | 2342    | 0.03%  | 0.008%  |
| 44 | 6.448 | 6.423 | 6.490 | VV | 2368   | 33536   | 0.44%  | 0.115%  |
| 45 | 6.518 | 6.490 | 6.532 | VV | 496    | 9219    | 0.12%  | 0.032%  |
| 46 | 6.547 | 6.532 | 6.556 | VV | 376    | 4415    | 0.06%  | 0.015%  |
| 47 | 6.574 | 6.556 | 6.637 | VV | 776    | 14673   | 0.19%  | 0.050%  |
| 48 | 6.648 | 6.637 | 6.681 | VV | 265    | 4120    | 0.05%  | 0.014%  |
| 49 | 6.691 | 6.681 | 6.696 | VV | 128    | 1008    | 0.01%  | 0.003%  |
| 50 | 6.732 | 6.710 | 6.757 | PV | 1629   | 18353   | 0.24%  | 0.063%  |
| 51 | 6.769 | 6.757 | 6.789 | VV | 250    | 3641    | 0.05%  | 0.012%  |
| 52 | 6.817 | 6.789 | 6.836 | VV | 645    | 9047    | 0.12%  | 0.031%  |
| 53 | 6.853 | 6.836 | 6.866 | VV | 481    | 5060    | 0.07%  | 0.017%  |
| 54 | 6.885 | 6.866 | 6.907 | VV | 1060   | 12006   | 0.16%  | 0.041%  |
| 55 | 6.919 | 6.907 | 6.941 | VV | 322    | 3001    | 0.04%  | 0.010%  |
| 56 | 6.961 | 6.941 | 6.987 | PV | 590    | 6418    | 0.08%  | 0.022%  |
| 57 | 6.998 | 6.987 | 7.003 | PV | 169    | 1037    | 0.01%  | 0.004%  |
| 58 | 7.012 | 7.003 | 7.035 | VV | 241    | 2221    | 0.03%  | 0.008%  |
| 59 | 7.063 | 7.035 | 7.089 | VV | 367    | 6066    | 0.08%  | 0.021%  |
| 60 | 7.116 | 7.102 | 7.153 | VV | 389    | 6736    | 0.09%  | 0.023%  |
| 61 | 7.185 | 7.165 | 7.221 | VV | 736    | 10135   | 0.13%  | 0.035%  |
| 62 | 7.240 | 7.221 | 7.272 | VV | 844    | 15623   | 0.20%  | 0.053%  |
| 63 | 7.290 | 7.272 | 7.339 | VV | 851    | 18419   | 0.24%  | 0.063%  |
| 64 | 7.368 | 7.339 | 7.403 | VV | 3103   | 45365   | 0.59%  | 0.155%  |
| 65 | 7.409 | 7.403 | 7.425 | VV | 352    | 3537    | 0.05%  | 0.012%  |
| 66 | 7.429 | 7.425 | 7.437 | VV | 243    | 1621    | 0.02%  | 0.006%  |
| 67 | 7.452 | 7.437 | 7.470 | VV | 655    | 8742    | 0.11%  | 0.030%  |
| 68 | 7.476 | 7.470 | 7.488 | VV | 401    | 3457    | 0.04%  | 0.012%  |
| 69 | 7.504 | 7.488 | 7.517 | VV | 1156   | 12586   | 0.16%  | 0.043%  |
| 70 | 7.534 | 7.517 | 7.574 | VV | 2879   | 34470   | 0.45%  | 0.118%  |
| 71 | 7.594 | 7.574 | 7.605 | VV | 494    | 5768    | 0.07%  | 0.020%  |
| 72 | 7.620 | 7.605 | 7.631 | VV | 458    | 5887    | 0.08%  | 0.020%  |
| 73 | 7.643 | 7.631 | 7.657 | VV | 445    | 5268    | 0.07%  | 0.018%  |
| 74 | 7.676 | 7.657 | 7.704 | VV | 1063   | 13029   | 0.17%  | 0.045%  |
| 75 | 7.712 | 7.704 | 7.725 | VV | 145    | 1393    | 0.02%  | 0.005%  |
| 76 | 7.743 | 7.725 | 7.759 | VV | 440    | 5529    | 0.07%  | 0.019%  |
| 77 | 7.771 | 7.759 | 7.791 | VV | 497    | 5395    | 0.07%  | 0.018%  |
| 78 | 7.848 | 7.846 | 7.871 | VV | 121    | 1383    | 0.02%  | 0.005%  |
| 79 | 7.893 | 7.879 | 7.903 | VV | 252    | 2475    | 0.03%  | 0.008%  |
| 80 | 7.911 | 7.903 | 7.923 | VV | 214    | 2155    | 0.03%  | 0.007%  |
| 81 | 7.943 | 7.923 | 7.959 | VV | 985    | 11450   | 0.15%  | 0.039%  |
| 82 | 7.993 | 7.959 | 8.042 | VV | 749318 | 7569082 | 98.40% | 25.893% |
| 83 | 8.052 | 8.042 | 8.074 | VV | 2562   | 40337   | 0.52%  | 0.138%  |
| 84 | 8.102 | 8.074 | 8.160 | VV | 2311   | 76795   | 1.00%  | 0.263%  |
| 85 | 8.166 | 8.160 | 8.184 | VV | 875    | 10841   | 0.14%  | 0.037%  |
| 86 | 8.205 | 8.184 | 8.232 | VV | 702    | 16530   | 0.21%  | 0.057%  |
| 87 | 8.250 | 8.232 | 8.282 | VV | 1056   | 20303   | 0.26%  | 0.069%  |
| 88 | 8.286 | 8.282 | 8.297 | VV | 443    | 3767    | 0.05%  | 0.013%  |
| 89 | 8.305 | 8.297 | 8.327 | VV | 465    | 6941    | 0.09%  | 0.024%  |

|     |        |        |        |    |        |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
|     |        |        |        |    | rteres |         |        |         |
| 90  | 8.365  | 8.327  | 8.369  | VV | 509    | 9634    | 0.13%  | 0.033%  |
| 91  | 8.374  | 8.369  | 8.415  | VV | 527    | 8875    | 0.12%  | 0.030%  |
| 92  | 8.457  | 8.415  | 8.463  | VV | 532    | 8897    | 0.12%  | 0.030%  |
| 93  | 8.466  | 8.463  | 8.469  | VV | 526    | 1863    | 0.02%  | 0.006%  |
| 94  | 8.482  | 8.469  | 8.496  | VV | 776    | 10308   | 0.13%  | 0.035%  |
| 95  | 8.506  | 8.496  | 8.526  | VV | 638    | 8520    | 0.11%  | 0.029%  |
| 96  | 8.558  | 8.526  | 8.614  | VV | 2291   | 36748   | 0.48%  | 0.126%  |
| 97  | 8.667  | 8.614  | 8.689  | VV | 819    | 25340   | 0.33%  | 0.087%  |
| 98  | 8.704  | 8.689  | 8.737  | VV | 637    | 11488   | 0.15%  | 0.039%  |
| 99  | 8.755  | 8.737  | 8.776  | VV | 699    | 9196    | 0.12%  | 0.031%  |
| 100 | 8.792  | 8.776  | 8.824  | VV | 736    | 9996    | 0.13%  | 0.034%  |
| 101 | 8.866  | 8.824  | 8.947  | PV | 433940 | 4786426 | 62.22% | 16.374% |
| 102 | 8.961  | 8.947  | 9.005  | VV | 4269   | 89741   | 1.17%  | 0.307%  |
| 103 | 9.014  | 9.005  | 9.041  | VV | 1709   | 29798   | 0.39%  | 0.102%  |
| 104 | 9.050  | 9.041  | 9.061  | VV | 1145   | 12526   | 0.16%  | 0.043%  |
| 105 | 9.076  | 9.061  | 9.084  | VV | 1233   | 15750   | 0.20%  | 0.054%  |
| 106 | 9.098  | 9.084  | 9.144  | VV | 1377   | 36455   | 0.47%  | 0.125%  |
| 107 | 9.164  | 9.144  | 9.179  | VV | 632    | 10613   | 0.14%  | 0.036%  |
| 108 | 9.211  | 9.179  | 9.225  | VV | 918    | 16827   | 0.22%  | 0.058%  |
| 109 | 9.242  | 9.225  | 9.259  | VV | 1432   | 19757   | 0.26%  | 0.068%  |
| 110 | 9.286  | 9.259  | 9.351  | VV | 56362  | 618884  | 8.05%  | 2.117%  |
| 111 | 9.365  | 9.351  | 9.373  | VV | 1326   | 14674   | 0.19%  | 0.050%  |
| 112 | 9.400  | 9.373  | 9.426  | VV | 2263   | 45249   | 0.59%  | 0.155%  |
| 113 | 9.438  | 9.426  | 9.457  | VV | 1121   | 15067   | 0.20%  | 0.052%  |
| 114 | 9.472  | 9.457  | 9.502  | VV | 611    | 9410    | 0.12%  | 0.032%  |
| 115 | 9.525  | 9.502  | 9.548  | VV | 491    | 8501    | 0.11%  | 0.029%  |
| 116 | 9.569  | 9.548  | 9.597  | VV | 558    | 10635   | 0.14%  | 0.036%  |
| 117 | 9.615  | 9.597  | 9.639  | VV | 466    | 8611    | 0.11%  | 0.029%  |
| 118 | 9.669  | 9.639  | 9.704  | VV | 567    | 12391   | 0.16%  | 0.042%  |
| 119 | 9.715  | 9.704  | 9.729  | VV | 199    | 2568    | 0.03%  | 0.009%  |
| 120 | 9.753  | 9.729  | 9.802  | VV | 2667   | 37659   | 0.49%  | 0.129%  |
| 121 | 9.829  | 9.802  | 9.865  | VV | 578    | 11656   | 0.15%  | 0.040%  |
| 122 | 9.898  | 9.865  | 9.927  | VV | 740    | 15579   | 0.20%  | 0.053%  |
| 123 | 9.944  | 9.927  | 9.950  | VV | 314    | 3688    | 0.05%  | 0.013%  |
| 124 | 9.968  | 9.950  | 9.980  | VV | 458    | 6765    | 0.09%  | 0.023%  |
| 125 | 10.001 | 9.980  | 10.010 | VV | 1238   | 13763   | 0.18%  | 0.047%  |
| 126 | 10.032 | 10.010 | 10.145 | VV | 36815  | 522081  | 6.79%  | 1.786%  |
| 127 | 10.166 | 10.145 | 10.215 | VV | 1374   | 29470   | 0.38%  | 0.101%  |
| 128 | 10.236 | 10.215 | 10.256 | VV | 596    | 10524   | 0.14%  | 0.036%  |
| 129 | 10.262 | 10.256 | 10.269 | VV | 353    | 2412    | 0.03%  | 0.008%  |
| 130 | 10.272 | 10.269 | 10.296 | VV | 297    | 3452    | 0.04%  | 0.012%  |
| 131 | 10.312 | 10.296 | 10.329 | VV | 235    | 3346    | 0.04%  | 0.011%  |
| 132 | 10.335 | 10.329 | 10.382 | VV | 239    | 3917    | 0.05%  | 0.013%  |
| 133 | 10.399 | 10.382 | 10.421 | VV | 303    | 2815    | 0.04%  | 0.010%  |
| 134 | 10.445 | 10.429 | 10.460 | VV | 204    | 2166    | 0.03%  | 0.007%  |
| 135 | 10.496 | 10.460 | 10.525 | VV | 570    | 12106   | 0.16%  | 0.041%  |
| 136 | 10.557 | 10.525 | 10.573 | VV | 562    | 9515    | 0.12%  | 0.033%  |
| 137 | 10.592 | 10.573 | 10.616 | VV | 490    | 9973    | 0.13%  | 0.034%  |
| 138 | 10.639 | 10.616 | 10.664 | VV | 793    | 16116   | 0.21%  | 0.055%  |
| 139 | 10.686 | 10.664 | 10.708 | VV | 1377   | 17921   | 0.23%  | 0.061%  |
| 140 | 10.718 | 10.708 | 10.741 | VV | 331    | 5256    | 0.07%  | 0.018%  |
| 141 | 10.756 | 10.741 | 10.776 | VV | 636    | 10881   | 0.14%  | 0.037%  |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.788 | 10.776 | 10.812 | VV | 600    | 9999    | 0.13%   | 0.034%  |
| 143 | 10.843 | 10.812 | 10.871 | VV | 603    | 17064   | 0.22%   | 0.058%  |
| 144 | 10.903 | 10.871 | 10.912 | VV | 649    | 12510   | 0.16%   | 0.043%  |
| 145 | 10.924 | 10.912 | 10.940 | VV | 587    | 7403    | 0.10%   | 0.025%  |
| 146 | 10.963 | 10.940 | 10.981 | VV | 955    | 15564   | 0.20%   | 0.053%  |
| 147 | 10.987 | 10.981 | 11.007 | VV | 671    | 8934    | 0.12%   | 0.031%  |
| 148 | 11.031 | 11.007 | 11.078 | VV | 1213   | 26356   | 0.34%   | 0.090%  |
| 149 | 11.095 | 11.078 | 11.106 | VV | 407    | 5045    | 0.07%   | 0.017%  |
| 150 | 11.125 | 11.106 | 11.134 | VV | 500    | 6824    | 0.09%   | 0.023%  |
| 151 | 11.158 | 11.134 | 11.211 | VV | 11360  | 156836  | 2.04%   | 0.537%  |
| 152 | 11.236 | 11.211 | 11.272 | VV | 2706   | 45087   | 0.59%   | 0.154%  |
| 153 | 11.275 | 11.272 | 11.297 | VV | 513    | 6564    | 0.09%   | 0.022%  |
| 154 | 11.299 | 11.297 | 11.307 | VV | 466    | 2077    | 0.03%   | 0.007%  |
| 155 | 11.332 | 11.307 | 11.352 | VV | 653    | 11394   | 0.15%   | 0.039%  |
| 156 | 11.360 | 11.352 | 11.414 | VV | 320    | 5452    | 0.07%   | 0.019%  |
| 157 | 11.465 | 11.426 | 11.501 | VV | 486    | 8563    | 0.11%   | 0.029%  |
| 158 | 11.541 | 11.512 | 11.567 | VV | 671    | 11380   | 0.15%   | 0.039%  |
| 159 | 11.584 | 11.567 | 11.593 | VV | 526    | 5917    | 0.08%   | 0.020%  |
| 160 | 11.609 | 11.593 | 11.631 | VV | 844    | 10977   | 0.14%   | 0.038%  |
| 161 | 11.658 | 11.631 | 11.663 | VV | 258    | 3015    | 0.04%   | 0.010%  |
| 162 | 11.691 | 11.663 | 11.726 | VV | 980    | 17364   | 0.23%   | 0.059%  |
| 163 | 11.768 | 11.726 | 11.784 | PV | 409    | 6417    | 0.08%   | 0.022%  |
| 164 | 11.810 | 11.784 | 11.841 | VV | 337    | 5809    | 0.08%   | 0.020%  |
| 165 | 11.849 | 11.841 | 11.882 | VV | 137    | 1244    | 0.02%   | 0.004%  |
| 166 | 11.931 | 11.882 | 11.958 | PV | 690744 | 7692164 | 100.00% | 26.314% |
| 167 | 11.963 | 11.958 | 11.979 | VV | 2786   | 26725   | 0.35%   | 0.091%  |
| 168 | 11.996 | 11.979 | 12.011 | VV | 2630   | 36259   | 0.47%   | 0.124%  |
| 169 | 12.026 | 12.011 | 12.049 | VV | 2802   | 39740   | 0.52%   | 0.136%  |
| 170 | 12.076 | 12.049 | 12.099 | VV | 2196   | 43159   | 0.56%   | 0.148%  |
| 171 | 12.112 | 12.099 | 12.127 | VV | 1353   | 18002   | 0.23%   | 0.062%  |
| 172 | 12.143 | 12.127 | 12.195 | VV | 1794   | 30612   | 0.40%   | 0.105%  |
| 173 | 12.215 | 12.195 | 12.222 | VV | 378    | 4979    | 0.06%   | 0.017%  |
| 174 | 12.267 | 12.222 | 12.292 | VV | 851    | 23237   | 0.30%   | 0.079%  |
| 175 | 12.331 | 12.292 | 12.358 | VV | 9095   | 114630  | 1.49%   | 0.392%  |
| 176 | 12.373 | 12.358 | 12.394 | VV | 952    | 14317   | 0.19%   | 0.049%  |
| 177 | 12.438 | 12.394 | 12.465 | VV | 1100   | 24517   | 0.32%   | 0.084%  |
| 178 | 12.523 | 12.465 | 12.592 | VV | 14287  | 247377  | 3.22%   | 0.846%  |
| 179 | 12.606 | 12.592 | 12.623 | VV | 1187   | 17771   | 0.23%   | 0.061%  |
| 180 | 12.632 | 12.623 | 12.650 | VV | 935    | 12892   | 0.17%   | 0.044%  |
| 181 | 12.663 | 12.650 | 12.667 | VV | 756    | 7419    | 0.10%   | 0.025%  |
| 182 | 12.685 | 12.667 | 12.723 | VV | 871    | 24069   | 0.31%   | 0.082%  |
| 183 | 12.727 | 12.723 | 12.742 | VV | 561    | 6240    | 0.08%   | 0.021%  |
| 184 | 12.780 | 12.742 | 12.814 | VV | 3405   | 60984   | 0.79%   | 0.209%  |
| 185 | 12.861 | 12.814 | 12.885 | VV | 2157   | 38183   | 0.50%   | 0.131%  |
| 186 | 12.918 | 12.885 | 12.945 | VV | 1738   | 33132   | 0.43%   | 0.113%  |
| 187 | 12.982 | 12.945 | 13.029 | VV | 18156  | 259336  | 3.37%   | 0.887%  |
| 188 | 13.041 | 13.029 | 13.064 | VV | 333    | 5098    | 0.07%   | 0.017%  |
| 189 | 13.069 | 13.064 | 13.087 | VV | 173    | 2113    | 0.03%   | 0.007%  |
| 190 | 13.111 | 13.100 | 13.116 | VV | 145    | 1149    | 0.01%   | 0.004%  |
| 191 | 13.145 | 13.116 | 13.156 | VV | 330    | 5108    | 0.07%   | 0.017%  |
| 192 | 13.171 | 13.156 | 13.187 | VV | 520    | 7080    | 0.09%   | 0.024%  |
| 193 | 13.198 | 13.187 | 13.251 | VV | 497    | 11487   | 0.15%   | 0.039%  |
| 194 | 13.276 | 13.251 | 13.306 | VV | 8450   | 104038  | 1.35%   | 0.356%  |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 13.365 | 13.306 | 13.444 | VV | 146027 | 1842488 | 23.95% | 6.303% |
| 196 | 13.453 | 13.444 | 13.459 | VV | 571    | 4716    | 0.06%  | 0.016% |
| 197 | 13.461 | 13.459 | 13.473 | VV | 528    | 3634    | 0.05%  | 0.012% |
| 198 | 13.486 | 13.473 | 13.512 | VV | 495    | 7824    | 0.10%  | 0.027% |
| 199 | 13.548 | 13.512 | 13.569 | VV | 6273   | 100009  | 1.30%  | 0.342% |
| 200 | 13.592 | 13.569 | 13.696 | VV | 8567   | 250401  | 3.26%  | 0.857% |
| 201 | 13.699 | 13.696 | 13.716 | VV | 1070   | 11842   | 0.15%  | 0.041% |
| 202 | 13.759 | 13.716 | 13.841 | VV | 5888   | 153159  | 1.99%  | 0.524% |
| 203 | 13.870 | 13.841 | 13.917 | VV | 2000   | 52833   | 0.69%  | 0.181% |
| 204 | 13.939 | 13.917 | 13.957 | VV | 932    | 17112   | 0.22%  | 0.059% |
| 205 | 13.981 | 13.957 | 14.001 | VV | 1508   | 27075   | 0.35%  | 0.093% |
| 206 | 14.018 | 14.001 | 14.041 | VV | 1065   | 19163   | 0.25%  | 0.066% |
| 207 | 14.071 | 14.041 | 14.102 | VV | 11044  | 155324  | 2.02%  | 0.531% |
| 208 | 14.120 | 14.102 | 14.134 | VV | 1352   | 20282   | 0.26%  | 0.069% |
| 209 | 14.145 | 14.134 | 14.169 | VV | 1166   | 17221   | 0.22%  | 0.059% |
| 210 | 14.186 | 14.169 | 14.205 | VV | 823    | 13680   | 0.18%  | 0.047% |
| 211 | 14.226 | 14.205 | 14.261 | VV | 1049   | 20249   | 0.26%  | 0.069% |
| 212 | 14.278 | 14.261 | 14.307 | VV | 690    | 11877   | 0.15%  | 0.041% |
| 213 | 14.314 | 14.307 | 14.336 | VV | 361    | 5001    | 0.07%  | 0.017% |
| 214 | 14.370 | 14.336 | 14.403 | VV | 409    | 10958   | 0.14%  | 0.037% |
| 215 | 14.409 | 14.403 | 14.429 | VV | 246    | 2550    | 0.03%  | 0.009% |
| 216 | 14.452 | 14.429 | 14.474 | VV | 323    | 6330    | 0.08%  | 0.022% |
| 217 | 14.477 | 14.474 | 14.492 | VV | 265    | 2552    | 0.03%  | 0.009% |
| 218 | 14.514 | 14.492 | 14.523 | VV | 747    | 9556    | 0.12%  | 0.033% |
| 219 | 14.525 | 14.523 | 14.536 | VV | 656    | 4476    | 0.06%  | 0.015% |
| 220 | 14.557 | 14.536 | 14.603 | VV | 1398   | 34874   | 0.45%  | 0.119% |
| 221 | 14.606 | 14.603 | 14.659 | VV | 606    | 14225   | 0.18%  | 0.049% |
| 222 | 14.681 | 14.659 | 14.703 | VV | 575    | 10560   | 0.14%  | 0.036% |
| 223 | 14.718 | 14.703 | 14.738 | VV | 485    | 7953    | 0.10%  | 0.027% |
| 224 | 14.746 | 14.738 | 14.769 | VV | 412    | 6710    | 0.09%  | 0.023% |
| 225 | 14.787 | 14.769 | 14.821 | VV | 684    | 16021   | 0.21%  | 0.055% |
| 226 | 14.849 | 14.821 | 14.877 | VV | 1188   | 23812   | 0.31%  | 0.081% |
| 227 | 14.882 | 14.877 | 14.911 | VV | 388    | 5790    | 0.08%  | 0.020% |
| 228 | 14.918 | 14.911 | 14.937 | VV | 342    | 4789    | 0.06%  | 0.016% |
| 229 | 14.942 | 14.937 | 14.956 | VV | 341    | 3343    | 0.04%  | 0.011% |
| 230 | 14.989 | 14.956 | 14.996 | VV | 452    | 8305    | 0.11%  | 0.028% |
| 231 | 15.001 | 14.996 | 15.017 | VV | 489    | 5271    | 0.07%  | 0.018% |
| 232 | 15.061 | 15.017 | 15.104 | VV | 1831   | 36214   | 0.47%  | 0.124% |
| 233 | 15.124 | 15.104 | 15.142 | VV | 638    | 10379   | 0.13%  | 0.036% |
| 234 | 15.183 | 15.142 | 15.248 | VV | 6093   | 183110  | 2.38%  | 0.626% |
| 235 | 15.269 | 15.248 | 15.301 | VV | 1711   | 29472   | 0.38%  | 0.101% |
| 236 | 15.323 | 15.301 | 15.371 | VV | 855    | 17521   | 0.23%  | 0.060% |
| 237 | 15.395 | 15.371 | 15.452 | VV | 631    | 15781   | 0.21%  | 0.054% |
| 238 | 15.465 | 15.452 | 15.494 | VV | 266    | 4640    | 0.06%  | 0.016% |
| 239 | 15.524 | 15.494 | 15.569 | VV | 501    | 11231   | 0.15%  | 0.038% |
| 240 | 15.602 | 15.569 | 15.689 | VV | 17226  | 308769  | 4.01%  | 1.056% |
| 241 | 15.695 | 15.689 | 15.719 | VV | 676    | 10879   | 0.14%  | 0.037% |
| 242 | 15.763 | 15.719 | 15.787 | VV | 2758   | 51316   | 0.67%  | 0.176% |
| 243 | 15.803 | 15.787 | 15.821 | VV | 494    | 8210    | 0.11%  | 0.028% |
| 244 | 15.840 | 15.821 | 15.861 | VV | 740    | 12572   | 0.16%  | 0.043% |
| 245 | 15.876 | 15.861 | 15.905 | VV | 586    | 11417   | 0.15%  | 0.039% |
| 246 | 15.922 | 15.905 | 15.931 | VV | 325    | 4376    | 0.06%  | 0.015% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 247 | 15.958 | 15.931 | 15.992 | VV | 499    | 14285  | 0.19% | 0.049% |
| 248 | 16.004 | 15.992 | 16.056 | VV | 476    | 12000  | 0.16% | 0.041% |
| 249 | 16.070 | 16.056 | 16.097 | VV | 474    | 8216   | 0.11% | 0.028% |
| 250 | 16.105 | 16.097 | 16.109 | VV | 336    | 2291   | 0.03% | 0.008% |
| 251 | 16.123 | 16.109 | 16.154 | VV | 511    | 9746   | 0.13% | 0.033% |
| 252 | 16.175 | 16.154 | 16.187 | VV | 369    | 5483   | 0.07% | 0.019% |
| 253 | 16.208 | 16.187 | 16.225 | VV | 461    | 7680   | 0.10% | 0.026% |
| 254 | 16.247 | 16.225 | 16.279 | VV | 1450   | 21148  | 0.27% | 0.072% |
| 255 | 16.307 | 16.279 | 16.337 | VV | 507    | 8251   | 0.11% | 0.028% |
| 256 | 16.359 | 16.337 | 16.367 | VV | 118    | 1135   | 0.01% | 0.004% |
| 257 | 16.386 | 16.367 | 16.420 | VV | 211    | 4314   | 0.06% | 0.015% |
| 258 | 16.442 | 16.420 | 16.472 | VV | 248    | 4719   | 0.06% | 0.016% |
| 259 | 16.534 | 16.512 | 16.538 | PV | 154    | 1173   | 0.02% | 0.004% |
| 260 | 16.549 | 16.538 | 16.573 | VV | 181    | 2590   | 0.03% | 0.009% |
| 261 | 16.622 | 16.573 | 16.687 | PV | 1713   | 42920  | 0.56% | 0.147% |
| 262 | 16.693 | 16.687 | 16.700 | VV | 493    | 3490   | 0.05% | 0.012% |
| 263 | 16.727 | 16.700 | 16.787 | VV | 3130   | 75995  | 0.99% | 0.260% |
| 264 | 16.813 | 16.787 | 16.840 | VV | 2951   | 45161  | 0.59% | 0.154% |
| 265 | 16.871 | 16.840 | 16.922 | VV | 1065   | 32148  | 0.42% | 0.110% |
| 266 | 16.925 | 16.922 | 16.954 | VV | 485    | 6575   | 0.09% | 0.022% |
| 267 | 16.958 | 16.954 | 16.967 | VV | 227    | 1674   | 0.02% | 0.006% |
| 268 | 16.971 | 16.967 | 16.994 | VV | 198    | 2952   | 0.04% | 0.010% |
| 269 | 17.044 | 16.994 | 17.069 | VV | 1359   | 27641  | 0.36% | 0.095% |
| 270 | 17.106 | 17.069 | 17.144 | VV | 2159   | 47524  | 0.62% | 0.163% |
| 271 | 17.149 | 17.144 | 17.153 | VV | 714    | 3820   | 0.05% | 0.013% |
| 272 | 17.164 | 17.153 | 17.177 | VV | 868    | 10998  | 0.14% | 0.038% |
| 273 | 17.199 | 17.177 | 17.222 | VV | 2000   | 32028  | 0.42% | 0.110% |
| 274 | 17.248 | 17.222 | 17.307 | VV | 4687   | 76238  | 0.99% | 0.261% |
| 275 | 17.312 | 17.307 | 17.319 | VV | 232    | 1311   | 0.02% | 0.004% |
| 276 | 17.346 | 17.331 | 17.353 | VV | 220    | 1787   | 0.02% | 0.006% |
| 277 | 17.384 | 17.368 | 17.399 | VV | 184    | 2143   | 0.03% | 0.007% |
| 278 | 17.412 | 17.399 | 17.441 | VV | 171    | 2633   | 0.03% | 0.009% |
| 279 | 17.483 | 17.449 | 17.499 | PV | 296    | 5418   | 0.07% | 0.019% |
| 280 | 17.531 | 17.499 | 17.548 | VV | 589    | 11489  | 0.15% | 0.039% |
| 281 | 17.566 | 17.548 | 17.587 | VV | 882    | 15470  | 0.20% | 0.053% |
| 282 | 17.602 | 17.587 | 17.612 | VV | 610    | 8450   | 0.11% | 0.029% |
| 283 | 17.616 | 17.612 | 17.621 | VV | 551    | 2674   | 0.03% | 0.009% |
| 284 | 17.647 | 17.621 | 17.677 | VV | 2025   | 33988  | 0.44% | 0.116% |
| 285 | 17.703 | 17.677 | 17.712 | VV | 305    | 4893   | 0.06% | 0.017% |
| 286 | 17.756 | 17.712 | 17.798 | VV | 603    | 19215  | 0.25% | 0.066% |
| 287 | 17.825 | 17.798 | 17.839 | VV | 264    | 4990   | 0.06% | 0.017% |
| 288 | 17.871 | 17.839 | 17.906 | VV | 371    | 9027   | 0.12% | 0.031% |
| 289 | 17.922 | 17.906 | 17.951 | VV | 268    | 4513   | 0.06% | 0.015% |
| 290 | 17.954 | 17.951 | 17.972 | VV | 120    | 1001   | 0.01% | 0.003% |
| 291 | 18.020 | 17.992 | 18.036 | PV | 353    | 6040   | 0.08% | 0.021% |
| 292 | 18.087 | 18.036 | 18.119 | VV | 2055   | 37988  | 0.49% | 0.130% |
| 293 | 18.177 | 18.119 | 18.226 | VV | 2243   | 48368  | 0.63% | 0.165% |
| 294 | 18.263 | 18.226 | 18.282 | VV | 413    | 8719   | 0.11% | 0.030% |
| 295 | 18.316 | 18.282 | 18.342 | VV | 568    | 12174  | 0.16% | 0.042% |
| 296 | 18.362 | 18.342 | 18.381 | VV | 521    | 7696   | 0.10% | 0.026% |
| 297 | 18.408 | 18.381 | 18.419 | VV | 1490   | 20298  | 0.26% | 0.069% |
| 298 | 18.444 | 18.419 | 18.494 | VV | 8650   | 190117 | 2.47% | 0.650% |
| 299 | 18.515 | 18.494 | 18.581 | VV | 3467   | 102153 | 1.33% | 0.349% |

|                         |        |        |        |     | rt   | Area     | Area% | Area%  |
|-------------------------|--------|--------|--------|-----|------|----------|-------|--------|
| 300                     | 18.606 | 18.581 | 18.680 | VV  | 1984 | 51163    | 0.67% | 0.175% |
| 301                     | 18.730 | 18.701 | 18.779 | PV  | 1425 | 29091    | 0.38% | 0.100% |
| 302                     | 18.780 | 18.779 | 18.801 | VBA | 221  | 1398     | 0.02% | 0.005% |
| Sum of corrected areas: |        |        |        |     |      | 29231772 |       |        |

Aromatic EPH 011425.M Wed Jan 29 02:06:24 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015194.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 21:05  
 Operator : YP\AJ  
 Sample : Q1194-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 B-113-SB01

Integration File: autoint1.e  
 Quant Time: Jan 29 02:38:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.385 | 4607301  | 37.839 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 75.68%     |

Target Compounds

(f)=RT Delta > 1/2 Window

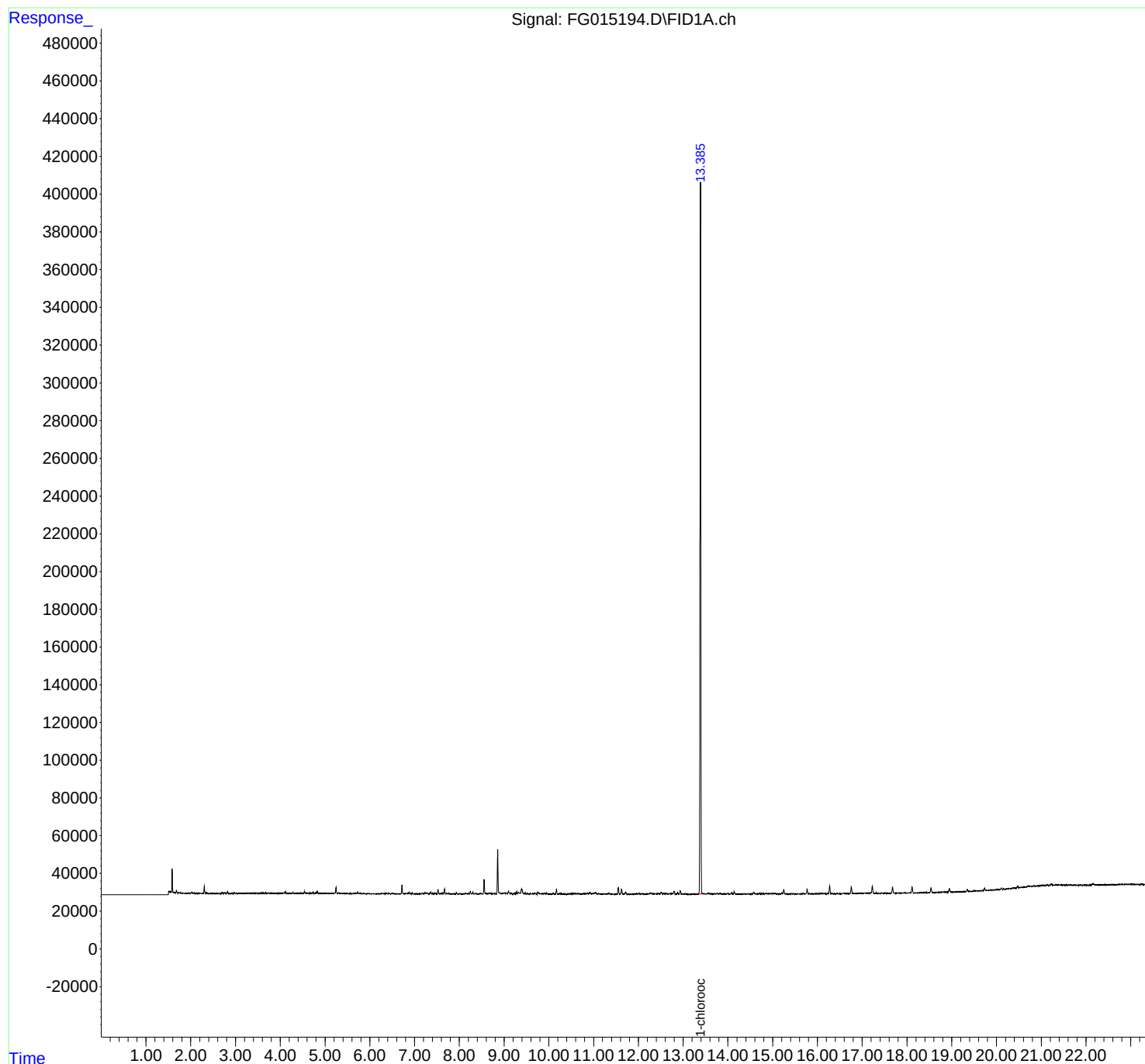
(m)=manual int.

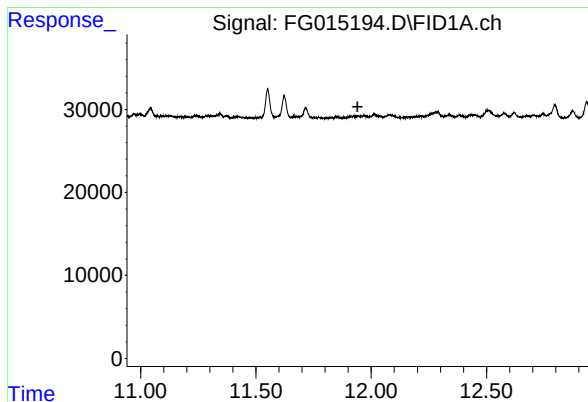
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015194.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 21:05  
Operator : YP\AJ  
Sample : Q1194-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-113-SB01

Integration File: autoint1.e  
Quant Time: Jan 29 02:38:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

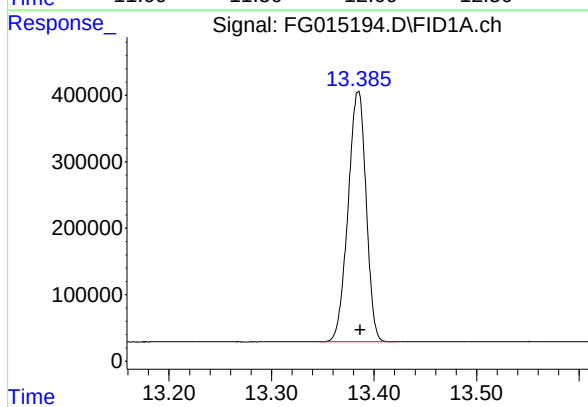




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.940 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
B-113-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min  
Delta R.T.: -0.002 min  
Response: 4607301  
Conc: 37.84 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015194.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 21:05  
 Sample : Q1194-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.282       | 3.222        | 3.315      | BV       | 214            | 2183         | 0.05%          | 0.025%        |
| 2         | 3.328       | 3.315        | 3.345      | VV       | 93             | 1066         | 0.02%          | 0.012%        |
| 3         | 3.364       | 3.345        | 3.418      | PV       | 74             | 1785         | 0.04%          | 0.020%        |
| 4         | 3.428       | 3.418        | 3.442      | VV       | 130            | 922          | 0.02%          | 0.010%        |
| 5         | 3.482       | 3.442        | 3.501      | VV       | 140            | 3526         | 0.08%          | 0.040%        |
| 6         | 3.519       | 3.501        | 3.573      | VV       | 167            | 4982         | 0.11%          | 0.057%        |
| 7         | 3.620       | 3.573        | 3.654      | VV       | 193            | 6997         | 0.15%          | 0.080%        |
| 8         | 3.673       | 3.654        | 3.708      | VV       | 277            | 5351         | 0.12%          | 0.061%        |
| 9         | 3.730       | 3.708        | 3.750      | VV       | 178            | 3302         | 0.07%          | 0.038%        |
| 10        | 3.757       | 3.750        | 3.776      | VV       | 136            | 1538         | 0.03%          | 0.017%        |
| 11        | 3.810       | 3.776        | 3.837      | VV       | 116            | 3015         | 0.07%          | 0.034%        |
| 12        | 3.865       | 3.837        | 3.955      | VV       | 118            | 6927         | 0.15%          | 0.079%        |
| 13        | 3.975       | 3.955        | 3.988      | VV       | 139            | 1959         | 0.04%          | 0.022%        |
| 14        | 4.023       | 3.988        | 4.034      | VV       | 132            | 2583         | 0.06%          | 0.029%        |
| 15        | 4.080       | 4.034        | 4.094      | VV       | 396            | 6643         | 0.14%          | 0.076%        |
| 16        | 4.113       | 4.094        | 4.168      | VV       | 826            | 12218        | 0.26%          | 0.139%        |
| 17        | 4.191       | 4.168        | 4.219      | VV       | 198            | 4026         | 0.09%          | 0.046%        |
| 18        | 4.285       | 4.219        | 4.327      | VV       | 661            | 16450        | 0.36%          | 0.187%        |
| 19        | 4.337       | 4.327        | 4.346      | VV       | 179            | 1640         | 0.04%          | 0.019%        |
| 20        | 4.352       | 4.346        | 4.359      | VV       | 146            | 1114         | 0.02%          | 0.013%        |
| 21        | 4.367       | 4.359        | 4.385      | VV       | 173            | 2264         | 0.05%          | 0.026%        |
| 22        | 4.393       | 4.385        | 4.411      | VV       | 185            | 2232         | 0.05%          | 0.025%        |
| 23        | 4.419       | 4.411        | 4.429      | VV       | 160            | 1407         | 0.03%          | 0.016%        |
| 24        | 4.438       | 4.429        | 4.448      | VV       | 184            | 1725         | 0.04%          | 0.020%        |
| 25        | 4.455       | 4.448        | 4.475      | VV       | 222            | 2658         | 0.06%          | 0.030%        |
| 26        | 4.477       | 4.475        | 4.517      | VV       | 165            | 3468         | 0.08%          | 0.039%        |
| 27        | 4.539       | 4.517        | 4.598      | VV       | 634            | 14126        | 0.31%          | 0.161%        |
| 28        | 4.611       | 4.598        | 4.633      | VV       | 185            | 3227         | 0.07%          | 0.037%        |
| 29        | 4.641       | 4.633        | 4.650      | VV       | 125            | 1194         | 0.03%          | 0.014%        |
| 30        | 4.667       | 4.650        | 4.697      | VV       | 403            | 6095         | 0.13%          | 0.069%        |
| 31        | 4.731       | 4.697        | 4.773      | VV       | 1011           | 16158        | 0.35%          | 0.184%        |
| 32        | 4.793       | 4.773        | 4.808      | VV       | 750            | 9182         | 0.20%          | 0.104%        |
| 33        | 4.826       | 4.808        | 4.888      | VV       | 1434           | 20451        | 0.44%          | 0.233%        |
| 34        | 4.892       | 4.888        | 4.904      | VV       | 189            | 1538         | 0.03%          | 0.017%        |
| 35        | 4.952       | 4.904        | 4.993      | VV       | 305            | 10669        | 0.23%          | 0.121%        |
| 36        | 5.002       | 4.993        | 5.022      | VV       | 201            | 2864         | 0.06%          | 0.033%        |

|    |       |       |       |    | rteres |       |       |        |
|----|-------|-------|-------|----|--------|-------|-------|--------|
| 37 | 5.032 | 5.022 | 5.057 | VV | 223    | 3677  | 0.08% | 0.042% |
| 38 | 5.073 | 5.057 | 5.109 | VV | 206    | 4163  | 0.09% | 0.047% |
| 39 | 5.136 | 5.109 | 5.143 | VV | 151    | 2816  | 0.06% | 0.032% |
| 40 | 5.157 | 5.143 | 5.190 | VV | 276    | 4693  | 0.10% | 0.053% |
| 41 | 5.245 | 5.190 | 5.282 | VV | 3367   | 45559 | 0.99% | 0.518% |
| 42 | 5.307 | 5.282 | 5.347 | VV | 689    | 9543  | 0.21% | 0.109% |
| 43 | 5.363 | 5.347 | 5.413 | VV | 151    | 3250  | 0.07% | 0.037% |
| 44 | 5.455 | 5.413 | 5.477 | VV | 189    | 4162  | 0.09% | 0.047% |
| 45 | 5.495 | 5.477 | 5.527 | VV | 176    | 3087  | 0.07% | 0.035% |
| 46 | 5.541 | 5.527 | 5.586 | VV | 107    | 2123  | 0.05% | 0.024% |
| 47 | 5.645 | 5.586 | 5.658 | VV | 159    | 2825  | 0.06% | 0.032% |
| 48 | 5.683 | 5.658 | 5.705 | VV | 422    | 5389  | 0.12% | 0.061% |
| 49 | 5.728 | 5.705 | 5.755 | VV | 1062   | 11947 | 0.26% | 0.136% |
| 50 | 5.762 | 5.755 | 5.770 | VV | 92     | 727   | 0.02% | 0.008% |
| 51 | 5.788 | 5.770 | 5.842 | VV | 274    | 4558  | 0.10% | 0.052% |
| 52 | 5.868 | 5.842 | 5.931 | VV | 209    | 5276  | 0.11% | 0.060% |
| 53 | 5.946 | 5.931 | 5.965 | VV | 104    | 1425  | 0.03% | 0.016% |
| 54 | 5.998 | 5.965 | 6.032 | VV | 197    | 4203  | 0.09% | 0.048% |
| 55 | 6.059 | 6.032 | 6.096 | VV | 118    | 2588  | 0.06% | 0.029% |
| 56 | 6.117 | 6.096 | 6.136 | VV | 84     | 1079  | 0.02% | 0.012% |
| 57 | 6.164 | 6.136 | 6.186 | PV | 124    | 1678  | 0.04% | 0.019% |
| 58 | 6.216 | 6.186 | 6.228 | VV | 94     | 1474  | 0.03% | 0.017% |
| 59 | 6.253 | 6.228 | 6.293 | VV | 255    | 6181  | 0.13% | 0.070% |
| 60 | 6.319 | 6.293 | 6.343 | VV | 278    | 4762  | 0.10% | 0.054% |
| 61 | 6.363 | 6.343 | 6.412 | VV | 621    | 9746  | 0.21% | 0.111% |
| 62 | 6.428 | 6.412 | 6.458 | VV | 251    | 4390  | 0.10% | 0.050% |
| 63 | 6.502 | 6.458 | 6.538 | VV | 354    | 8736  | 0.19% | 0.099% |
| 64 | 6.544 | 6.538 | 6.588 | VV | 121    | 2181  | 0.05% | 0.025% |
| 65 | 6.603 | 6.588 | 6.622 | VV | 137    | 1707  | 0.04% | 0.019% |
| 66 | 6.650 | 6.622 | 6.672 | VV | 84     | 1943  | 0.04% | 0.022% |
| 67 | 6.719 | 6.672 | 6.754 | VV | 4799   | 52542 | 1.14% | 0.598% |
| 68 | 6.806 | 6.754 | 6.825 | VV | 558    | 8765  | 0.19% | 0.100% |
| 69 | 6.842 | 6.825 | 6.856 | VV | 357    | 3927  | 0.09% | 0.045% |
| 70 | 6.874 | 6.856 | 6.894 | VV | 958    | 10751 | 0.23% | 0.122% |
| 71 | 6.908 | 6.894 | 6.930 | VV | 299    | 3753  | 0.08% | 0.043% |
| 72 | 6.949 | 6.930 | 6.979 | VV | 477    | 5467  | 0.12% | 0.062% |
| 73 | 7.007 | 6.979 | 7.068 | PV | 104    | 3394  | 0.07% | 0.039% |
| 74 | 7.100 | 7.068 | 7.126 | VV | 152    | 3014  | 0.07% | 0.034% |
| 75 | 7.132 | 7.126 | 7.157 | VV | 101    | 1044  | 0.02% | 0.012% |
| 76 | 7.176 | 7.157 | 7.205 | VV | 576    | 7147  | 0.15% | 0.081% |
| 77 | 7.230 | 7.205 | 7.246 | VV | 655    | 9231  | 0.20% | 0.105% |
| 78 | 7.254 | 7.246 | 7.265 | VV | 376    | 3841  | 0.08% | 0.044% |
| 79 | 7.283 | 7.265 | 7.322 | VV | 624    | 12759 | 0.28% | 0.145% |
| 80 | 7.361 | 7.322 | 7.388 | VV | 1022   | 16850 | 0.36% | 0.192% |
| 81 | 7.398 | 7.388 | 7.422 | VV | 237    | 2850  | 0.06% | 0.032% |
| 82 | 7.444 | 7.422 | 7.501 | VV | 313    | 8058  | 0.17% | 0.092% |
| 83 | 7.527 | 7.501 | 7.562 | VV | 2298   | 27049 | 0.59% | 0.308% |
| 84 | 7.605 | 7.562 | 7.620 | VV | 320    | 7468  | 0.16% | 0.085% |
| 85 | 7.636 | 7.620 | 7.648 | VV | 446    | 4626  | 0.10% | 0.053% |
| 86 | 7.670 | 7.648 | 7.694 | VV | 2620   | 29456 | 0.64% | 0.335% |
| 87 | 7.708 | 7.694 | 7.716 | VV | 231    | 2278  | 0.05% | 0.026% |
| 88 | 7.734 | 7.716 | 7.752 | VV | 331    | 4884  | 0.11% | 0.056% |
| 89 | 7.763 | 7.752 | 7.808 | VV | 473    | 7001  | 0.15% | 0.080% |

|     |        |        |        |    | rters |        |       |        |  |
|-----|--------|--------|--------|----|-------|--------|-------|--------|--|
| 90  | 7.847  | 7.808  | 7.865  | VV | 196   | 4498   | 0.10% | 0.051% |  |
| 91  | 7.883  | 7.865  | 7.908  | VV | 144   | 1890   | 0.04% | 0.021% |  |
| 92  | 7.937  | 7.908  | 7.967  | PV | 912   | 10768  | 0.23% | 0.122% |  |
| 93  | 7.988  | 7.967  | 8.007  | VV | 172   | 2570   | 0.06% | 0.029% |  |
| 94  | 8.019  | 8.007  | 8.072  | VV | 190   | 4234   | 0.09% | 0.048% |  |
| 95  | 8.103  | 8.072  | 8.118  | VV | 240   | 3894   | 0.08% | 0.044% |  |
| 96  | 8.132  | 8.118  | 8.147  | VV | 374   | 4562   | 0.10% | 0.052% |  |
| 97  | 8.159  | 8.147  | 8.178  | VV | 336   | 3695   | 0.08% | 0.042% |  |
| 98  | 8.202  | 8.178  | 8.222  | VV | 521   | 6165   | 0.13% | 0.070% |  |
| 99  | 8.247  | 8.222  | 8.282  | VV | 1490  | 18059  | 0.39% | 0.205% |  |
| 100 | 8.304  | 8.282  | 8.328  | VV | 1271  | 14281  | 0.31% | 0.162% |  |
| 101 | 8.343  | 8.328  | 8.356  | VV | 252   | 3217   | 0.07% | 0.037% |  |
| 102 | 8.375  | 8.356  | 8.392  | VV | 548   | 6841   | 0.15% | 0.078% |  |
| 103 | 8.404  | 8.392  | 8.437  | VV | 196   | 3988   | 0.09% | 0.045% |  |
| 104 | 8.460  | 8.437  | 8.526  | VV | 653   | 11061  | 0.24% | 0.126% |  |
| 105 | 8.555  | 8.526  | 8.588  | VV | 7805  | 85000  | 1.84% | 0.967% |  |
| 106 | 8.597  | 8.588  | 8.626  | VV | 308   | 5521   | 0.12% | 0.063% |  |
| 107 | 8.653  | 8.626  | 8.688  | VV | 644   | 14940  | 0.32% | 0.170% |  |
| 108 | 8.706  | 8.688  | 8.728  | VV | 534   | 7974   | 0.17% | 0.091% |  |
| 109 | 8.752  | 8.728  | 8.778  | VV | 486   | 7046   | 0.15% | 0.080% |  |
| 110 | 8.793  | 8.778  | 8.819  | VV | 528   | 6818   | 0.15% | 0.078% |  |
| 111 | 8.858  | 8.819  | 8.942  | VV | 23658 | 268674 | 5.82% | 3.056% |  |
| 112 | 8.977  | 8.942  | 8.994  | VV | 542   | 13757  | 0.30% | 0.156% |  |
| 113 | 9.014  | 8.994  | 9.035  | VV | 689   | 12902  | 0.28% | 0.147% |  |
| 114 | 9.051  | 9.035  | 9.072  | VV | 827   | 11459  | 0.25% | 0.130% |  |
| 115 | 9.099  | 9.072  | 9.137  | VV | 1593  | 30684  | 0.66% | 0.349% |  |
| 116 | 9.160  | 9.137  | 9.198  | VV | 464   | 9962   | 0.22% | 0.113% |  |
| 117 | 9.218  | 9.198  | 9.236  | VV | 413   | 5988   | 0.13% | 0.068% |  |
| 118 | 9.252  | 9.236  | 9.265  | VV | 434   | 5149   | 0.11% | 0.059% |  |
| 119 | 9.284  | 9.265  | 9.304  | VV | 1328  | 18141  | 0.39% | 0.206% |  |
| 120 | 9.323  | 9.304  | 9.365  | VV | 1028  | 24695  | 0.53% | 0.281% |  |
| 121 | 9.388  | 9.365  | 9.458  | VV | 2709  | 64369  | 1.39% | 0.732% |  |
| 122 | 9.475  | 9.458  | 9.496  | VV | 674   | 9170   | 0.20% | 0.104% |  |
| 123 | 9.525  | 9.496  | 9.555  | VV | 470   | 8201   | 0.18% | 0.093% |  |
| 124 | 9.578  | 9.555  | 9.593  | VV | 257   | 4484   | 0.10% | 0.051% |  |
| 125 | 9.609  | 9.593  | 9.618  | VV | 303   | 3746   | 0.08% | 0.043% |  |
| 126 | 9.627  | 9.618  | 9.640  | VV | 280   | 3412   | 0.07% | 0.039% |  |
| 127 | 9.646  | 9.640  | 9.658  | VV | 231   | 2268   | 0.05% | 0.026% |  |
| 128 | 9.691  | 9.658  | 9.730  | VV | 563   | 14092  | 0.31% | 0.160% |  |
| 129 | 9.758  | 9.730  | 9.795  | VV | 1167  | 21314  | 0.46% | 0.242% |  |
| 130 | 9.810  | 9.795  | 9.842  | VV | 431   | 8318   | 0.18% | 0.095% |  |
| 131 | 9.849  | 9.842  | 9.873  | VV | 417   | 5073   | 0.11% | 0.058% |  |
| 132 | 9.896  | 9.873  | 9.924  | VV | 721   | 11440  | 0.25% | 0.130% |  |
| 133 | 9.949  | 9.924  | 10.023 | VV | 977   | 16894  | 0.37% | 0.192% |  |
| 134 | 10.038 | 10.023 | 10.063 | VV | 189   | 2877   | 0.06% | 0.033% |  |
| 135 | 10.090 | 10.063 | 10.143 | PV | 576   | 11237  | 0.24% | 0.128% |  |
| 136 | 10.170 | 10.143 | 10.218 | VV | 2616  | 34916  | 0.76% | 0.397% |  |
| 137 | 10.247 | 10.218 | 10.301 | VV | 404   | 13257  | 0.29% | 0.151% |  |
| 138 | 10.322 | 10.301 | 10.332 | VV | 216   | 3400   | 0.07% | 0.039% |  |
| 139 | 10.343 | 10.332 | 10.370 | VV | 257   | 2836   | 0.06% | 0.032% |  |
| 140 | 10.391 | 10.370 | 10.405 | VV | 75    | 915    | 0.02% | 0.010% |  |
| 141 | 10.452 | 10.405 | 10.470 | VV | 234   | 5363   | 0.12% | 0.061% |  |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 142 | 10.493 | 10.470 | 10.512 | VV | 378    | 6873  | 0.15% | 0.078% |
| 143 | 10.519 | 10.512 | 10.532 | VV | 294    | 3279  | 0.07% | 0.037% |
| 144 | 10.565 | 10.532 | 10.585 | VV | 710    | 13786 | 0.30% | 0.157% |
| 145 | 10.604 | 10.585 | 10.628 | VV | 471    | 8190  | 0.18% | 0.093% |
| 146 | 10.656 | 10.628 | 10.675 | VV | 365    | 7964  | 0.17% | 0.091% |
| 147 | 10.683 | 10.675 | 10.691 | VV | 234    | 2042  | 0.04% | 0.023% |
| 148 | 10.702 | 10.691 | 10.747 | VV | 235    | 5566  | 0.12% | 0.063% |
| 149 | 10.776 | 10.747 | 10.788 | VV | 411    | 6239  | 0.14% | 0.071% |
| 150 | 10.811 | 10.788 | 10.828 | VV | 360    | 6568  | 0.14% | 0.075% |
| 151 | 10.853 | 10.828 | 10.878 | VV | 577    | 12019 | 0.26% | 0.137% |
| 152 | 10.914 | 10.878 | 10.952 | VV | 1148   | 23873 | 0.52% | 0.272% |
| 153 | 10.973 | 10.952 | 10.985 | VV | 467    | 7136  | 0.15% | 0.081% |
| 154 | 10.995 | 10.985 | 11.015 | VV | 476    | 7639  | 0.17% | 0.087% |
| 155 | 11.043 | 11.015 | 11.101 | VV | 1171   | 25699 | 0.56% | 0.292% |
| 156 | 11.122 | 11.101 | 11.153 | VV | 295    | 7337  | 0.16% | 0.083% |
| 157 | 11.169 | 11.153 | 11.188 | VV | 213    | 3474  | 0.08% | 0.040% |
| 158 | 11.194 | 11.188 | 11.218 | VV | 189    | 2998  | 0.06% | 0.034% |
| 159 | 11.238 | 11.218 | 11.271 | VV | 327    | 7052  | 0.15% | 0.080% |
| 160 | 11.288 | 11.271 | 11.299 | VV | 296    | 4065  | 0.09% | 0.046% |
| 161 | 11.309 | 11.299 | 11.325 | VV | 289    | 4293  | 0.09% | 0.049% |
| 162 | 11.344 | 11.325 | 11.360 | VV | 549    | 8281  | 0.18% | 0.094% |
| 163 | 11.371 | 11.360 | 11.398 | VV | 284    | 3833  | 0.08% | 0.044% |
| 164 | 11.422 | 11.398 | 11.464 | VV | 256    | 4769  | 0.10% | 0.054% |
| 165 | 11.477 | 11.464 | 11.488 | PV | 118    | 859   | 0.02% | 0.010% |
| 166 | 11.551 | 11.488 | 11.583 | VV | 3538   | 49051 | 1.06% | 0.558% |
| 167 | 11.623 | 11.583 | 11.652 | VV | 2673   | 38347 | 0.83% | 0.436% |
| 168 | 11.666 | 11.652 | 11.672 | VV | 247    | 2176  | 0.05% | 0.025% |
| 169 | 11.716 | 11.672 | 11.758 | VV | 1276   | 20740 | 0.45% | 0.236% |
| 170 | 11.773 | 11.758 | 11.790 | VV | 119    | 1211  | 0.03% | 0.014% |
| 171 | 11.853 | 11.790 | 11.884 | VV | 197    | 4462  | 0.10% | 0.051% |
| 172 | 11.944 | 11.884 | 11.995 | VV | 302    | 14326 | 0.31% | 0.163% |
| 173 | 12.013 | 11.995 | 12.053 | VV | 515    | 10595 | 0.23% | 0.120% |
| 174 | 12.080 | 12.053 | 12.128 | VV | 425    | 10965 | 0.24% | 0.125% |
| 175 | 12.287 | 12.128 | 12.314 | VV | 741    | 34614 | 0.75% | 0.394% |
| 176 | 12.340 | 12.314 | 12.365 | VV | 402    | 9267  | 0.20% | 0.105% |
| 177 | 12.383 | 12.365 | 12.406 | VV | 393    | 6914  | 0.15% | 0.079% |
| 178 | 12.433 | 12.406 | 12.470 | VV | 422    | 12258 | 0.27% | 0.139% |
| 179 | 12.509 | 12.470 | 12.556 | VV | 925    | 26896 | 0.58% | 0.306% |
| 180 | 12.576 | 12.556 | 12.600 | VV | 635    | 11340 | 0.25% | 0.129% |
| 181 | 12.620 | 12.600 | 12.651 | VV | 709    | 11211 | 0.24% | 0.128% |
| 182 | 12.707 | 12.651 | 12.722 | VV | 452    | 11880 | 0.26% | 0.135% |
| 183 | 12.744 | 12.722 | 12.760 | VV | 565    | 8974  | 0.19% | 0.102% |
| 184 | 12.797 | 12.760 | 12.843 | VV | 1578   | 28926 | 0.63% | 0.329% |
| 185 | 12.874 | 12.843 | 12.901 | VV | 937    | 13823 | 0.30% | 0.157% |
| 186 | 12.935 | 12.901 | 12.961 | VV | 1969   | 27951 | 0.61% | 0.318% |
| 187 | 12.974 | 12.961 | 12.985 | VV | 224    | 2881  | 0.06% | 0.033% |
| 188 | 13.006 | 12.985 | 13.038 | VV | 259    | 6189  | 0.13% | 0.070% |
| 189 | 13.055 | 13.038 | 13.086 | VV | 302    | 5730  | 0.12% | 0.065% |
| 190 | 13.100 | 13.086 | 13.117 | VV | 124    | 1325  | 0.03% | 0.015% |
| 191 | 13.195 | 13.117 | 13.203 | PV | 203    | 4102  | 0.09% | 0.047% |
| 192 | 13.213 | 13.203 | 13.245 | VV | 217    | 4124  | 0.09% | 0.047% |
| 193 | 13.260 | 13.245 | 13.275 | VV | 171    | 1951  | 0.04% | 0.022% |
| 194 | 13.299 | 13.275 | 13.309 | VV | 246    | 3035  | 0.07% | 0.035% |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 195 | 13.327 | 13.309 | 13.334 | VV | 222    | 2793    | 0.06%   | 0.032%  |
| 196 | 13.384 | 13.334 | 13.423 | VV | 379198 | 4618909 | 100.00% | 52.532% |
| 197 | 13.438 | 13.423 | 13.500 | VV | 358    | 11857   | 0.26%   | 0.135%  |
| 198 | 13.515 | 13.500 | 13.526 | VV | 258    | 3189    | 0.07%   | 0.036%  |
| 199 | 13.550 | 13.526 | 13.585 | VV | 490    | 12188   | 0.26%   | 0.139%  |
| 200 | 13.606 | 13.585 | 13.644 | VV | 404    | 11205   | 0.24%   | 0.127%  |
| 201 | 13.666 | 13.644 | 13.728 | VV | 297    | 10344   | 0.22%   | 0.118%  |
| 202 | 13.755 | 13.728 | 13.788 | VV | 352    | 10185   | 0.22%   | 0.116%  |
| 203 | 13.827 | 13.788 | 13.875 | VV | 451    | 15238   | 0.33%   | 0.173%  |
| 204 | 13.890 | 13.875 | 13.918 | VV | 230    | 4495    | 0.10%   | 0.051%  |
| 205 | 13.950 | 13.918 | 13.968 | VV | 236    | 6022    | 0.13%   | 0.068%  |
| 206 | 14.003 | 13.968 | 14.031 | VV | 377    | 9475    | 0.21%   | 0.108%  |
| 207 | 14.043 | 14.031 | 14.048 | VV | 200    | 1496    | 0.03%   | 0.017%  |
| 208 | 14.086 | 14.048 | 14.111 | VV | 688    | 12969   | 0.28%   | 0.147%  |
| 209 | 14.139 | 14.111 | 14.182 | VV | 1600   | 22790   | 0.49%   | 0.259%  |
| 210 | 14.192 | 14.182 | 14.215 | VV | 96     | 1804    | 0.04%   | 0.021%  |
| 211 | 14.225 | 14.215 | 14.287 | VV | 98     | 2300    | 0.05%   | 0.026%  |
| 212 | 14.301 | 14.287 | 14.315 | PV | 76     | 500     | 0.01%   | 0.006%  |
| 213 | 14.353 | 14.315 | 14.420 | VV | 166    | 7303    | 0.16%   | 0.083%  |
| 214 | 14.433 | 14.420 | 14.459 | VV | 149    | 2625    | 0.06%   | 0.030%  |
| 215 | 14.476 | 14.459 | 14.498 | VV | 193    | 3090    | 0.07%   | 0.035%  |
| 216 | 14.512 | 14.498 | 14.520 | VV | 125    | 1427    | 0.03%   | 0.016%  |
| 217 | 14.577 | 14.520 | 14.628 | VV | 1105   | 23675   | 0.51%   | 0.269%  |
| 218 | 14.633 | 14.628 | 14.662 | VV | 244    | 3921    | 0.08%   | 0.045%  |
| 219 | 14.671 | 14.662 | 14.680 | VV | 223    | 2229    | 0.05%   | 0.025%  |
| 220 | 14.705 | 14.680 | 14.738 | VV | 581    | 10492   | 0.23%   | 0.119%  |
| 221 | 14.764 | 14.738 | 14.776 | VV | 240    | 3746    | 0.08%   | 0.043%  |
| 222 | 14.842 | 14.776 | 14.888 | VV | 294    | 15303   | 0.33%   | 0.174%  |
| 223 | 14.901 | 14.888 | 14.930 | VV | 262    | 5170    | 0.11%   | 0.059%  |
| 224 | 14.956 | 14.930 | 14.989 | VV | 230    | 7090    | 0.15%   | 0.081%  |
| 225 | 15.024 | 14.989 | 15.040 | VV | 292    | 7613    | 0.16%   | 0.087%  |
| 226 | 15.053 | 15.040 | 15.160 | VV | 297    | 11938   | 0.26%   | 0.136%  |
| 227 | 15.200 | 15.160 | 15.225 | VV | 590    | 11939   | 0.26%   | 0.136%  |
| 228 | 15.246 | 15.225 | 15.368 | VV | 2459   | 38404   | 0.83%   | 0.437%  |
| 229 | 15.383 | 15.368 | 15.395 | VV | 65     | 775     | 0.02%   | 0.009%  |
| 230 | 15.417 | 15.395 | 15.502 | VV | 277    | 7061    | 0.15%   | 0.080%  |
| 231 | 15.514 | 15.502 | 15.534 | VV | 98     | 1091    | 0.02%   | 0.012%  |
| 232 | 15.552 | 15.534 | 15.573 | VV | 94     | 1371    | 0.03%   | 0.016%  |
| 233 | 15.672 | 15.573 | 15.708 | PV | 254    | 8122    | 0.18%   | 0.092%  |
| 234 | 15.768 | 15.708 | 15.805 | VV | 2487   | 37060   | 0.80%   | 0.421%  |
| 235 | 15.815 | 15.805 | 15.852 | VV | 133    | 2589    | 0.06%   | 0.029%  |
| 236 | 15.869 | 15.852 | 15.879 | PV | 109    | 715     | 0.02%   | 0.008%  |
| 237 | 15.901 | 15.879 | 15.922 | VV | 138    | 2402    | 0.05%   | 0.027%  |
| 238 | 15.952 | 15.922 | 15.990 | VV | 183    | 5275    | 0.11%   | 0.060%  |
| 239 | 15.996 | 15.990 | 16.025 | VV | 143    | 1906    | 0.04%   | 0.022%  |
| 240 | 16.092 | 16.025 | 16.117 | VV | 310    | 9980    | 0.22%   | 0.114%  |
| 241 | 16.129 | 16.117 | 16.182 | VV | 266    | 5863    | 0.13%   | 0.067%  |
| 242 | 16.188 | 16.182 | 16.204 | VV | 72     | 889     | 0.02%   | 0.010%  |
| 243 | 16.231 | 16.204 | 16.245 | VV | 419    | 5471    | 0.12%   | 0.062%  |
| 244 | 16.272 | 16.245 | 16.303 | VV | 4265   | 59154   | 1.28%   | 0.673%  |
| 245 | 16.313 | 16.303 | 16.355 | VV | 204    | 3352    | 0.07%   | 0.038%  |
| 246 | 16.377 | 16.355 | 16.389 | PV | 78     | 884     | 0.02%   | 0.010%  |



|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 247 | 16.413 | 16.389 | 16.427 | VV | 124    | 1594  | 0.03% | 0.018% |
| 248 | 16.441 | 16.427 | 16.480 | VV | 146    | 3111  | 0.07% | 0.035% |
| 249 | 16.489 | 16.480 | 16.509 | VV | 85     | 1180  | 0.03% | 0.013% |
| 250 | 16.517 | 16.509 | 16.545 | VV | 62     | 658   | 0.01% | 0.007% |
| 251 | 16.584 | 16.545 | 16.618 | PV | 451    | 8640  | 0.19% | 0.098% |
| 252 | 16.633 | 16.618 | 16.701 | VV | 172    | 5377  | 0.12% | 0.061% |
| 253 | 16.756 | 16.701 | 16.848 | VV | 3622   | 57594 | 1.25% | 0.655% |
| 254 | 16.925 | 16.848 | 17.000 | VV | 316    | 16503 | 0.36% | 0.188% |
| 255 | 17.060 | 17.000 | 17.081 | VV | 397    | 12494 | 0.27% | 0.142% |
| 256 | 17.130 | 17.081 | 17.164 | VV | 385    | 14585 | 0.32% | 0.166% |
| 257 | 17.190 | 17.164 | 17.198 | VV | 568    | 7682  | 0.17% | 0.087% |
| 258 | 17.224 | 17.198 | 17.265 | VV | 4018   | 59720 | 1.29% | 0.679% |
| 259 | 17.307 | 17.265 | 17.382 | VV | 211    | 8293  | 0.18% | 0.094% |
| 260 | 17.388 | 17.382 | 17.408 | VV | 137    | 1250  | 0.03% | 0.014% |
| 261 | 17.437 | 17.408 | 17.482 | VV | 352    | 7021  | 0.15% | 0.080% |
| 262 | 17.516 | 17.482 | 17.540 | VV | 328    | 6308  | 0.14% | 0.072% |
| 263 | 17.559 | 17.540 | 17.596 | PV | 263    | 4969  | 0.11% | 0.057% |
| 264 | 17.615 | 17.596 | 17.624 | VV | 103    | 1419  | 0.03% | 0.016% |
| 265 | 17.677 | 17.624 | 17.712 | VV | 3318   | 49127 | 1.06% | 0.559% |
| 266 | 17.775 | 17.712 | 17.808 | VV | 193    | 7635  | 0.17% | 0.087% |
| 267 | 17.818 | 17.808 | 17.875 | VV | 178    | 5547  | 0.12% | 0.063% |
| 268 | 17.910 | 17.875 | 17.921 | VV | 174    | 4237  | 0.09% | 0.048% |
| 269 | 17.960 | 17.921 | 17.981 | VV | 339    | 7493  | 0.16% | 0.085% |
| 270 | 18.006 | 17.981 | 18.042 | VV | 227    | 5579  | 0.12% | 0.063% |
| 271 | 18.114 | 18.042 | 18.147 | VV | 3145   | 52010 | 1.13% | 0.592% |
| 272 | 18.168 | 18.147 | 18.212 | VV | 131    | 3276  | 0.07% | 0.037% |
| 273 | 18.261 | 18.212 | 18.350 | PV | 199    | 8300  | 0.18% | 0.094% |
| 274 | 18.387 | 18.350 | 18.410 | VV | 217    | 4952  | 0.11% | 0.056% |
| 275 | 18.434 | 18.410 | 18.466 | VV | 279    | 3933  | 0.09% | 0.045% |
| 276 | 18.496 | 18.466 | 18.507 | PV | 174    | 2265  | 0.05% | 0.026% |
| 277 | 18.538 | 18.507 | 18.577 | VV | 2617   | 38081 | 0.82% | 0.433% |
| 278 | 18.616 | 18.577 | 18.644 | VV | 123    | 3302  | 0.07% | 0.038% |
| 279 | 18.670 | 18.644 | 18.696 | VV | 157    | 3310  | 0.07% | 0.038% |
| 280 | 18.742 | 18.696 | 18.764 | VV | 126    | 3521  | 0.08% | 0.040% |
| 281 | 18.798 | 18.764 | 18.825 | VV | 258    | 5841  | 0.13% | 0.066% |
| 282 | 18.860 | 18.825 | 18.869 | VV | 167    | 3512  | 0.08% | 0.040% |
| 283 | 18.875 | 18.869 | 18.882 | VV | 107    | 730   | 0.02% | 0.008% |
| 284 | 18.948 | 18.882 | 19.000 | VV | 2008   | 37138 | 0.80% | 0.422% |
| 285 | 19.009 | 19.000 | 19.047 | VV | 94     | 1729  | 0.04% | 0.020% |
| 286 | 19.098 | 19.047 | 19.128 | PV | 147    | 4545  | 0.10% | 0.052% |
| 287 | 19.143 | 19.128 | 19.161 | VV | 95     | 1228  | 0.03% | 0.014% |
| 288 | 19.205 | 19.161 | 19.218 | PV | 110    | 2478  | 0.05% | 0.028% |
| 289 | 19.261 | 19.218 | 19.278 | VV | 88     | 1710  | 0.04% | 0.019% |
| 290 | 19.346 | 19.278 | 19.374 | PV | 1266   | 18854 | 0.41% | 0.214% |
| 291 | 19.386 | 19.374 | 19.405 | VV | 108    | 1125  | 0.02% | 0.013% |
| 292 | 19.489 | 19.405 | 19.498 | VV | 171    | 3109  | 0.07% | 0.035% |
| 293 | 19.520 | 19.498 | 19.564 | VV | 237    | 4925  | 0.11% | 0.056% |
| 294 | 19.608 | 19.564 | 19.621 | VV | 139    | 3447  | 0.07% | 0.039% |
| 295 | 19.634 | 19.621 | 19.649 | VV | 124    | 1704  | 0.04% | 0.019% |
| 296 | 19.734 | 19.649 | 19.762 | VV | 1318   | 25887 | 0.56% | 0.294% |
| 297 | 19.775 | 19.762 | 19.812 | VV | 158    | 3381  | 0.07% | 0.038% |
| 298 | 19.850 | 19.812 | 19.864 | VV | 162    | 3873  | 0.08% | 0.044% |
| 299 | 19.912 | 19.864 | 19.944 | VV | 261    | 8193  | 0.18% | 0.093% |

|                         |        |        |        |    | retention |         |       |        |
|-------------------------|--------|--------|--------|----|-----------|---------|-------|--------|
| 300                     | 19.990 | 19.944 | 20.002 | VV | 299       | 8244    | 0.18% | 0.094% |
| 301                     | 20.034 | 20.002 | 20.068 | VV | 332       | 10323   | 0.22% | 0.117% |
| 302                     | 20.110 | 20.068 | 20.142 | VV | 978       | 20988   | 0.45% | 0.239% |
| 303                     | 20.291 | 20.142 | 20.323 | VV | 558       | 44235   | 0.96% | 0.503% |
| 304                     | 20.389 | 20.323 | 20.418 | VV | 671       | 33268   | 0.72% | 0.378% |
| 305                     | 20.476 | 20.418 | 20.501 | VV | 1583      | 45979   | 1.00% | 0.523% |
| 306                     | 20.535 | 20.501 | 20.553 | VV | 953       | 27177   | 0.59% | 0.309% |
| 307                     | 20.571 | 20.553 | 20.601 | VV | 893       | 24693   | 0.53% | 0.281% |
| 308                     | 20.738 | 20.601 | 20.778 | VV | 1335      | 116493  | 2.52% | 1.325% |
| 309                     | 20.837 | 20.778 | 20.883 | VV | 1450      | 75719   | 1.64% | 0.861% |
| 310                     | 21.015 | 20.883 | 21.048 | VV | 1492      | 125304  | 2.71% | 1.425% |
| 311                     | 21.054 | 21.048 | 21.087 | VV | 1354      | 30509   | 0.66% | 0.347% |
| 312                     | 21.134 | 21.087 | 21.152 | VV | 1324      | 51255   | 1.11% | 0.583% |
| 313                     | 21.163 | 21.152 | 21.187 | VV | 1346      | 27139   | 0.59% | 0.309% |
| 314                     | 21.223 | 21.187 | 21.258 | VV | 1880      | 65098   | 1.41% | 0.740% |
| 315                     | 21.268 | 21.258 | 21.298 | VV | 1294      | 29739   | 0.64% | 0.338% |
| 316                     | 21.341 | 21.298 | 21.405 | VV | 1239      | 76273   | 1.65% | 0.867% |
| 317                     | 21.416 | 21.405 | 21.495 | VV | 1137      | 57062   | 1.24% | 0.649% |
| 318                     | 21.501 | 21.495 | 21.534 | VV | 989       | 22205   | 0.48% | 0.253% |
| 319                     | 21.564 | 21.534 | 21.615 | VV | 997       | 42788   | 0.93% | 0.487% |
| 320                     | 21.665 | 21.615 | 21.686 | VV | 869       | 34386   | 0.74% | 0.391% |
| 321                     | 21.695 | 21.686 | 21.769 | VV | 781       | 32717   | 0.71% | 0.372% |
| 322                     | 21.781 | 21.769 | 21.791 | VV | 616       | 7843    | 0.17% | 0.089% |
| 323                     | 21.803 | 21.791 | 21.855 | VV | 632       | 20726   | 0.45% | 0.236% |
| 324                     | 21.872 | 21.855 | 21.881 | VV | 499       | 7369    | 0.16% | 0.084% |
| 325                     | 21.894 | 21.881 | 21.915 | VV | 495       | 8911    | 0.19% | 0.101% |
| 326                     | 21.950 | 21.915 | 21.962 | VV | 453       | 10956   | 0.24% | 0.125% |
| 327                     | 21.972 | 21.962 | 22.020 | VV | 415       | 12907   | 0.28% | 0.147% |
| 328                     | 22.047 | 22.020 | 22.108 | VV | 386       | 17422   | 0.38% | 0.198% |
| 329                     | 22.162 | 22.108 | 22.213 | VV | 922       | 32951   | 0.71% | 0.375% |
| 330                     | 22.227 | 22.213 | 22.254 | VV | 311       | 5642    | 0.12% | 0.064% |
| 331                     | 22.264 | 22.254 | 22.288 | VV | 171       | 2897    | 0.06% | 0.033% |
| 332                     | 22.381 | 22.288 | 22.407 | VV | 138       | 6197    | 0.13% | 0.070% |
| 333                     | 22.422 | 22.407 | 22.430 | PV | 24        | 468     | 0.01% | 0.005% |
| Sum of corrected areas: |        |        |        |    |           | 8792583 |       |        |

Aliphatic EPH 011425.M Wed Jan 29 03:47:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015338.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 21:34  
 Operator : YP\AJ  
 Sample : Q1194-04  
 Misc :  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 B-113-SB02

Integration File: autoint1.e  
 Quant Time: Jan 29 00:51:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 15 07:05:42 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.993  | 7626767    | 57.778 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 115.56%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.865  | 4437221    | 52.569 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 105.14%      |
| 11) S ortho-Terphenyl (SURR)       | 11.930 | 6884877    | 39.995 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 79.99%       |

Target Compounds

(f)=RT Delta > 1/2 Window

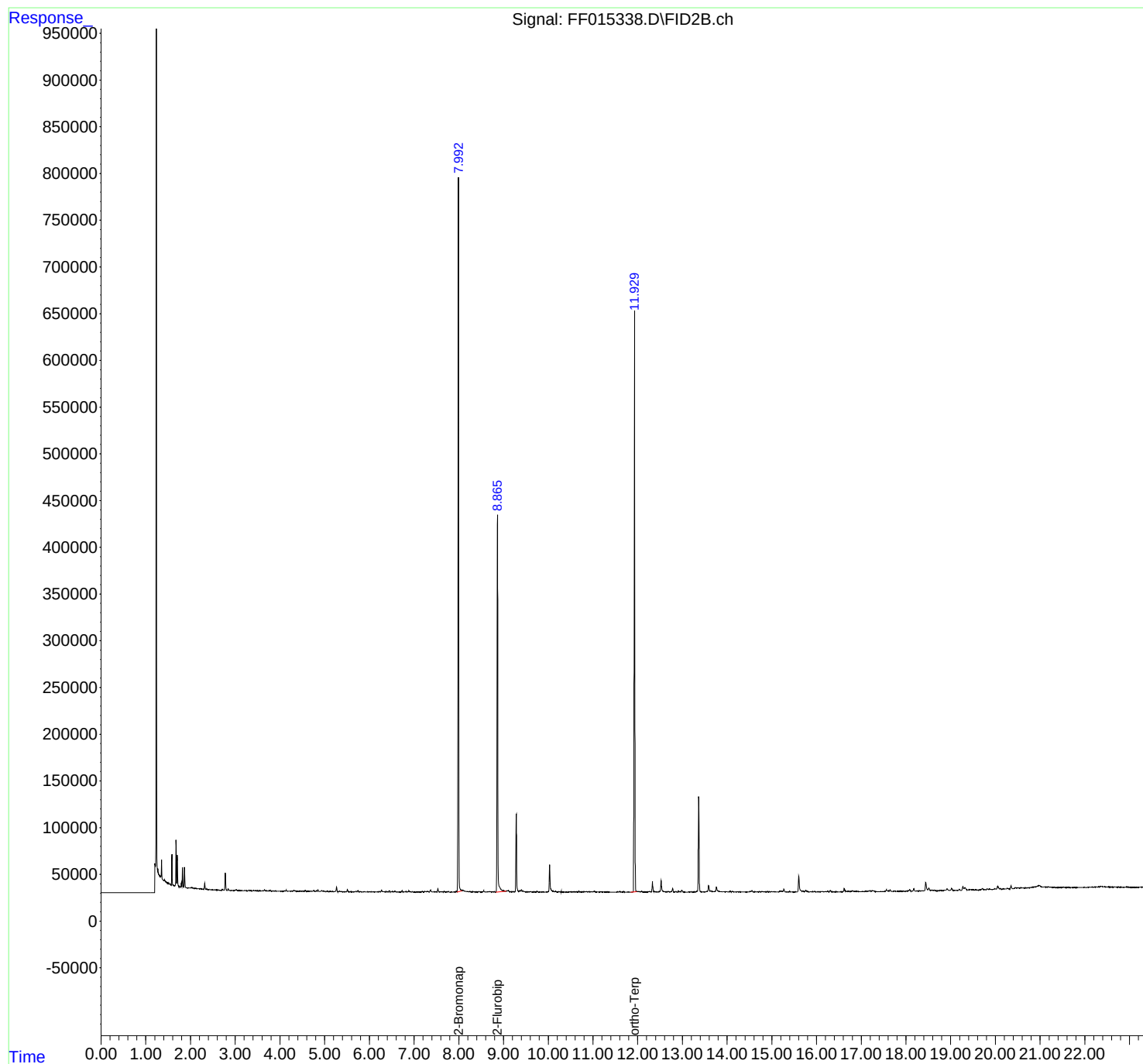
(m)=manual int.

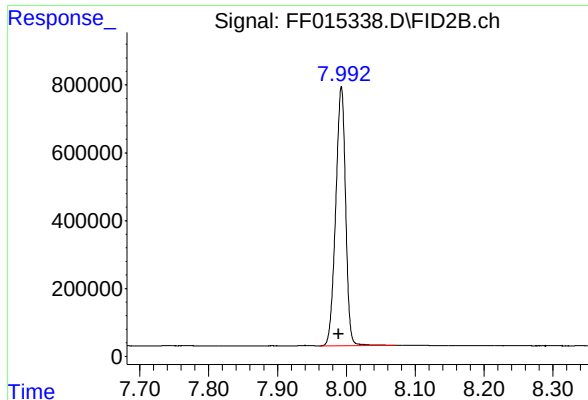
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015338.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 21:34  
Operator : YP\AJ  
Sample : Q1194-04  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
B-113-SB02

Integration File: autoint1.e  
Quant Time: Jan 29 00:51:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Wed Jan 15 07:05:42 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

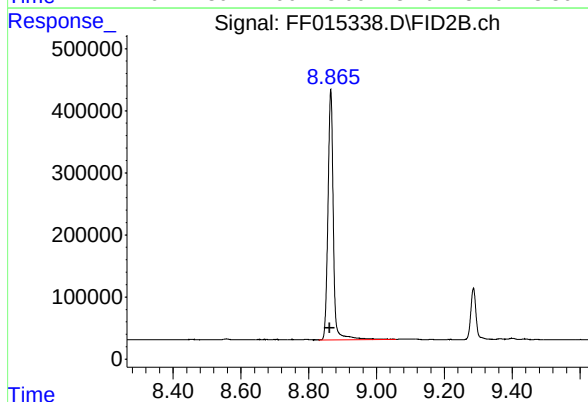




## #4 2-Bromonaphthalene (SURR)

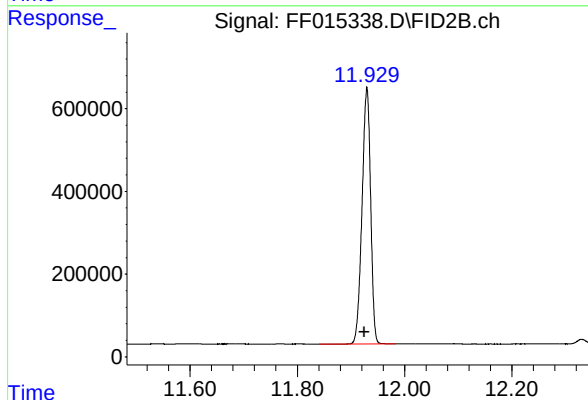
R.T.: 7.993 min  
Delta R.T.: 0.004 min  
Response: 7626767  
Conc: 57.78 ug/ml

Instrument :  
FID\_F  
ClientSampleId :  
B-113-SB02



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.865 min  
Delta R.T.: 0.003 min  
Response: 4437221  
Conc: 52.57 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.930 min  
Delta R.T.: 0.005 min  
Response: 6884877  
Conc: 40.00 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015338.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 21:34  
 Sample : Q1194-04  
 Misc :  
 ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.452       | 4.438        | 4.479      | PV       | 338            | 3848         | 0.05%          | 0.015%        |
| 2         | 4.511       | 4.479        | 4.537      | VV       | 503            | 7018         | 0.09%          | 0.027%        |
| 3         | 4.565       | 4.537        | 4.594      | VV       | 1381           | 15920        | 0.21%          | 0.061%        |
| 4         | 4.603       | 4.594        | 4.624      | VV       | 226            | 2506         | 0.03%          | 0.010%        |
| 5         | 4.646       | 4.624        | 4.675      | VV       | 208            | 3820         | 0.05%          | 0.015%        |
| 6         | 4.694       | 4.675        | 4.713      | VV       | 506            | 5730         | 0.07%          | 0.022%        |
| 7         | 4.755       | 4.713        | 4.780      | VV       | 1476           | 19542        | 0.25%          | 0.075%        |
| 8         | 4.783       | 4.780        | 4.799      | VV       | 221            | 1526         | 0.02%          | 0.006%        |
| 9         | 4.817       | 4.799        | 4.832      | VV       | 1097           | 11277        | 0.15%          | 0.043%        |
| 10        | 4.850       | 4.832        | 4.873      | VV       | 2109           | 22448        | 0.29%          | 0.086%        |
| 11        | 4.879       | 4.873        | 4.886      | VV       | 168            | 1095         | 0.01%          | 0.004%        |
| 12        | 4.890       | 4.886        | 4.902      | VV       | 174            | 1285         | 0.02%          | 0.005%        |
| 13        | 4.933       | 4.902        | 4.962      | VV       | 1199           | 21644        | 0.28%          | 0.083%        |
| 14        | 4.980       | 4.962        | 5.006      | VV       | 539            | 10686        | 0.14%          | 0.041%        |
| 15        | 5.022       | 5.006        | 5.032      | VV       | 251            | 3465         | 0.05%          | 0.013%        |
| 16        | 5.060       | 5.032        | 5.100      | VV       | 660            | 12023        | 0.16%          | 0.046%        |
| 17        | 5.120       | 5.100        | 5.137      | VV       | 211            | 3323         | 0.04%          | 0.013%        |
| 18        | 5.142       | 5.137        | 5.157      | VV       | 197            | 1435         | 0.02%          | 0.005%        |
| 19        | 5.180       | 5.157        | 5.196      | VV       | 426            | 4957         | 0.06%          | 0.019%        |
| 20        | 5.200       | 5.196        | 5.217      | VV       | 166            | 1731         | 0.02%          | 0.007%        |
| 21        | 5.242       | 5.217        | 5.248      | VV       | 691            | 7260         | 0.09%          | 0.028%        |
| 22        | 5.267       | 5.248        | 5.307      | VV       | 5277           | 61690        | 0.80%          | 0.235%        |
| 23        | 5.329       | 5.307        | 5.346      | VV       | 1035           | 12287        | 0.16%          | 0.047%        |
| 24        | 5.353       | 5.346        | 5.372      | VV       | 396            | 3748         | 0.05%          | 0.014%        |
| 25        | 5.386       | 5.372        | 5.411      | VV       | 324            | 4100         | 0.05%          | 0.016%        |
| 26        | 5.446       | 5.432        | 5.460      | PV       | 143            | 1309         | 0.02%          | 0.005%        |
| 27        | 5.477       | 5.460        | 5.490      | VV       | 330            | 3374         | 0.04%          | 0.013%        |
| 28        | 5.509       | 5.490        | 5.547      | VV       | 2606           | 30853        | 0.40%          | 0.118%        |
| 29        | 5.560       | 5.547        | 5.607      | VV       | 319            | 6798         | 0.09%          | 0.026%        |
| 30        | 5.612       | 5.607        | 5.627      | VV       | 167            | 1292         | 0.02%          | 0.005%        |
| 31        | 5.647       | 5.627        | 5.651      | VV       | 149            | 1627         | 0.02%          | 0.006%        |
| 32        | 5.660       | 5.651        | 5.682      | VV       | 274            | 3700         | 0.05%          | 0.014%        |
| 33        | 5.700       | 5.682        | 5.718      | VV       | 867            | 10715        | 0.14%          | 0.041%        |
| 34        | 5.747       | 5.718        | 5.772      | VV       | 1609           | 25652        | 0.33%          | 0.098%        |
| 35        | 5.781       | 5.772        | 5.794      | VV       | 284            | 2448         | 0.03%          | 0.009%        |
| 36        | 5.805       | 5.794        | 5.825      | VV       | 478            | 5360         | 0.07%          | 0.020%        |

|    |       |       |       |    | rt   | Area  | Area% | Height% |
|----|-------|-------|-------|----|------|-------|-------|---------|
| 37 | 5.830 | 5.825 | 5.844 | PV | 144  | 1190  | 0.02% | 0.005%  |
| 38 | 5.855 | 5.844 | 5.867 | VV | 199  | 2020  | 0.03% | 0.008%  |
| 39 | 5.895 | 5.867 | 5.917 | VV | 384  | 6009  | 0.08% | 0.023%  |
| 40 | 5.928 | 5.917 | 5.947 | VV | 152  | 1578  | 0.02% | 0.006%  |
| 41 | 5.965 | 5.947 | 5.981 | VV | 282  | 3251  | 0.04% | 0.012%  |
| 42 | 5.992 | 5.981 | 6.003 | VV | 404  | 3572  | 0.05% | 0.014%  |
| 43 | 6.014 | 6.003 | 6.034 | VV | 365  | 4441  | 0.06% | 0.017%  |
| 44 | 6.050 | 6.034 | 6.069 | VV | 478  | 4865  | 0.06% | 0.019%  |
| 45 | 6.088 | 6.069 | 6.120 | VV | 343  | 4971  | 0.06% | 0.019%  |
| 46 | 6.129 | 6.120 | 6.160 | VV | 168  | 2560  | 0.03% | 0.010%  |
| 47 | 6.178 | 6.160 | 6.205 | VV | 340  | 5763  | 0.07% | 0.022%  |
| 48 | 6.222 | 6.205 | 6.228 | VV | 510  | 5061  | 0.07% | 0.019%  |
| 49 | 6.230 | 6.228 | 6.251 | VV | 496  | 4702  | 0.06% | 0.018%  |
| 50 | 6.274 | 6.251 | 6.299 | VV | 2236 | 29615 | 0.39% | 0.113%  |
| 51 | 6.313 | 6.299 | 6.318 | VV | 478  | 4861  | 0.06% | 0.019%  |
| 52 | 6.332 | 6.318 | 6.360 | VV | 507  | 9911  | 0.13% | 0.038%  |
| 53 | 6.378 | 6.360 | 6.412 | VV | 972  | 16208 | 0.21% | 0.062%  |
| 54 | 6.448 | 6.412 | 6.469 | VV | 1487 | 22552 | 0.29% | 0.086%  |
| 55 | 6.512 | 6.469 | 6.534 | VV | 588  | 14701 | 0.19% | 0.056%  |
| 56 | 6.543 | 6.534 | 6.555 | VV | 404  | 4676  | 0.06% | 0.018%  |
| 57 | 6.574 | 6.555 | 6.623 | VV | 1183 | 18314 | 0.24% | 0.070%  |
| 58 | 6.648 | 6.623 | 6.673 | VV | 270  | 5274  | 0.07% | 0.020%  |
| 59 | 6.689 | 6.673 | 6.707 | VV | 235  | 2584  | 0.03% | 0.010%  |
| 60 | 6.732 | 6.707 | 6.758 | VV | 1721 | 19890 | 0.26% | 0.076%  |
| 61 | 6.771 | 6.758 | 6.787 | VV | 394  | 4904  | 0.06% | 0.019%  |
| 62 | 6.816 | 6.787 | 6.839 | VV | 902  | 12633 | 0.16% | 0.048%  |
| 63 | 6.855 | 6.839 | 6.868 | VV | 561  | 6281  | 0.08% | 0.024%  |
| 64 | 6.885 | 6.868 | 6.905 | VV | 1364 | 15884 | 0.21% | 0.061%  |
| 65 | 6.920 | 6.905 | 6.940 | VV | 446  | 5191  | 0.07% | 0.020%  |
| 66 | 6.961 | 6.940 | 6.987 | PV | 765  | 8552  | 0.11% | 0.033%  |
| 67 | 7.006 | 6.987 | 7.010 | VV | 193  | 1937  | 0.03% | 0.007%  |
| 68 | 7.015 | 7.010 | 7.039 | VV | 249  | 2096  | 0.03% | 0.008%  |
| 69 | 7.061 | 7.039 | 7.084 | VV | 430  | 6555  | 0.09% | 0.025%  |
| 70 | 7.096 | 7.084 | 7.100 | VV | 170  | 1053  | 0.01% | 0.004%  |
| 71 | 7.116 | 7.100 | 7.148 | VV | 461  | 7488  | 0.10% | 0.029%  |
| 72 | 7.186 | 7.148 | 7.220 | VV | 903  | 14561 | 0.19% | 0.056%  |
| 73 | 7.241 | 7.220 | 7.270 | VV | 1093 | 18912 | 0.25% | 0.072%  |
| 74 | 7.289 | 7.270 | 7.334 | VV | 1019 | 23947 | 0.31% | 0.091%  |
| 75 | 7.369 | 7.334 | 7.424 | VV | 2268 | 42733 | 0.56% | 0.163%  |
| 76 | 7.451 | 7.424 | 7.467 | VV | 458  | 7904  | 0.10% | 0.030%  |
| 77 | 7.477 | 7.467 | 7.493 | VV | 434  | 5131  | 0.07% | 0.020%  |
| 78 | 7.502 | 7.493 | 7.510 | VV | 286  | 2365  | 0.03% | 0.009%  |
| 79 | 7.534 | 7.510 | 7.566 | VV | 3842 | 46498 | 0.60% | 0.177%  |
| 80 | 7.571 | 7.566 | 7.575 | VV | 254  | 1157  | 0.02% | 0.004%  |
| 81 | 7.595 | 7.575 | 7.605 | VV | 517  | 7138  | 0.09% | 0.027%  |
| 82 | 7.615 | 7.605 | 7.627 | VV | 506  | 5598  | 0.07% | 0.021%  |
| 83 | 7.642 | 7.627 | 7.656 | VV | 590  | 6843  | 0.09% | 0.026%  |
| 84 | 7.675 | 7.656 | 7.700 | VV | 1008 | 13123 | 0.17% | 0.050%  |
| 85 | 7.716 | 7.700 | 7.723 | VV | 271  | 2432  | 0.03% | 0.009%  |
| 86 | 7.742 | 7.723 | 7.758 | VV | 598  | 8571  | 0.11% | 0.033%  |
| 87 | 7.770 | 7.758 | 7.811 | VV | 699  | 8913  | 0.12% | 0.034%  |
| 88 | 7.842 | 7.820 | 7.875 | VV | 292  | 4628  | 0.06% | 0.018%  |
| 89 | 7.892 | 7.875 | 7.904 | VV | 459  | 4832  | 0.06% | 0.018%  |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 90  | 7.912  | 7.904  | 7.923  | VV | 258    | 2320    | 0.03%   | 0.009%  |
| 91  | 7.942  | 7.923  | 7.960  | VV | 1299   | 14806   | 0.19%   | 0.056%  |
| 92  | 7.993  | 7.960  | 8.077  | VV | 764082 | 7690660 | 100.00% | 29.331% |
| 93  | 8.087  | 8.077  | 8.157  | VV | 2068   | 69237   | 0.90%   | 0.264%  |
| 94  | 8.161  | 8.157  | 8.197  | VV | 873    | 16011   | 0.21%   | 0.061%  |
| 95  | 8.207  | 8.197  | 8.226  | VV | 683    | 9916    | 0.13%   | 0.038%  |
| 96  | 8.250  | 8.226  | 8.271  | VV | 1026   | 18006   | 0.23%   | 0.069%  |
| 97  | 8.309  | 8.271  | 8.326  | VV | 484    | 12743   | 0.17%   | 0.049%  |
| 98  | 8.341  | 8.326  | 8.377  | VV | 539    | 9955    | 0.13%   | 0.038%  |
| 99  | 8.384  | 8.377  | 8.424  | VV | 284    | 5859    | 0.08%   | 0.022%  |
| 100 | 8.453  | 8.424  | 8.479  | VV | 843    | 15159   | 0.20%   | 0.058%  |
| 101 | 8.506  | 8.479  | 8.524  | VV | 297    | 5456    | 0.07%   | 0.021%  |
| 102 | 8.557  | 8.524  | 8.582  | VV | 1672   | 23638   | 0.31%   | 0.090%  |
| 103 | 8.585  | 8.582  | 8.609  | VV | 398    | 4720    | 0.06%   | 0.018%  |
| 104 | 8.625  | 8.609  | 8.634  | VV | 372    | 4298    | 0.06%   | 0.016%  |
| 105 | 8.652  | 8.634  | 8.663  | VV | 633    | 8881    | 0.12%   | 0.034%  |
| 106 | 8.674  | 8.663  | 8.686  | VV | 671    | 8001    | 0.10%   | 0.031%  |
| 107 | 8.698  | 8.686  | 8.735  | VV | 678    | 13400   | 0.17%   | 0.051%  |
| 108 | 8.751  | 8.735  | 8.773  | VV | 599    | 8612    | 0.11%   | 0.033%  |
| 109 | 8.794  | 8.773  | 8.821  | VV | 816    | 11093   | 0.14%   | 0.042%  |
| 110 | 8.865  | 8.829  | 9.010  | VV | 403170 | 4474051 | 58.18%  | 17.063% |
| 111 | 9.018  | 9.010  | 9.037  | VV | 1558   | 21579   | 0.28%   | 0.082%  |
| 112 | 9.042  | 9.037  | 9.057  | VV | 1137   | 13538   | 0.18%   | 0.052%  |
| 113 | 9.074  | 9.057  | 9.085  | VV | 1481   | 21285   | 0.28%   | 0.081%  |
| 114 | 9.099  | 9.085  | 9.108  | VV | 1484   | 18405   | 0.24%   | 0.070%  |
| 115 | 9.113  | 9.108  | 9.143  | VV | 1434   | 20155   | 0.26%   | 0.077%  |
| 116 | 9.165  | 9.143  | 9.179  | VV | 750    | 12408   | 0.16%   | 0.047%  |
| 117 | 9.186  | 9.179  | 9.195  | VV | 495    | 4730    | 0.06%   | 0.018%  |
| 118 | 9.213  | 9.195  | 9.232  | VV | 703    | 12203   | 0.16%   | 0.047%  |
| 119 | 9.286  | 9.232  | 9.349  | VV | 83405  | 927423  | 12.06%  | 3.537%  |
| 120 | 9.364  | 9.349  | 9.379  | VV | 1941   | 25925   | 0.34%   | 0.099%  |
| 121 | 9.400  | 9.379  | 9.423  | VV | 2603   | 43727   | 0.57%   | 0.167%  |
| 122 | 9.437  | 9.423  | 9.460  | VV | 1642   | 24332   | 0.32%   | 0.093%  |
| 123 | 9.472  | 9.460  | 9.504  | VV | 810    | 12528   | 0.16%   | 0.048%  |
| 124 | 9.521  | 9.504  | 9.553  | VV | 568    | 10726   | 0.14%   | 0.041%  |
| 125 | 9.571  | 9.553  | 9.588  | VV | 498    | 8420    | 0.11%   | 0.032%  |
| 126 | 9.603  | 9.588  | 9.647  | VV | 670    | 13255   | 0.17%   | 0.051%  |
| 127 | 9.689  | 9.647  | 9.709  | VV | 512    | 13231   | 0.17%   | 0.050%  |
| 128 | 9.717  | 9.709  | 9.724  | VV | 243    | 1986    | 0.03%   | 0.008%  |
| 129 | 9.752  | 9.724  | 9.794  | VV | 1058   | 18563   | 0.24%   | 0.071%  |
| 130 | 9.827  | 9.802  | 9.870  | VV | 394    | 9871    | 0.13%   | 0.038%  |
| 131 | 9.890  | 9.870  | 9.917  | VV | 522    | 7442    | 0.10%   | 0.028%  |
| 132 | 9.920  | 9.917  | 9.934  | VV | 130    | 1238    | 0.02%   | 0.005%  |
| 133 | 9.946  | 9.934  | 9.965  | VV | 334    | 4697    | 0.06%   | 0.018%  |
| 134 | 9.968  | 9.965  | 9.973  | VV | 237    | 1014    | 0.01%   | 0.004%  |
| 135 | 10.001 | 9.973  | 10.010 | VV | 872    | 11356   | 0.15%   | 0.043%  |
| 136 | 10.033 | 10.010 | 10.141 | VV | 29408  | 422541  | 5.49%   | 1.612%  |
| 137 | 10.165 | 10.141 | 10.205 | VV | 1360   | 23309   | 0.30%   | 0.089%  |
| 138 | 10.236 | 10.205 | 10.287 | VV | 583    | 17204   | 0.22%   | 0.066%  |
| 139 | 10.292 | 10.287 | 10.298 | VV | 766    | 1747    | 0.02%   | 0.007%  |
| 140 | 10.315 | 10.298 | 10.324 | VV | 306    | 3908    | 0.05%   | 0.015%  |
| 141 | 10.337 | 10.324 | 10.350 | VV | 303    | 3548    | 0.05%   | 0.014%  |



|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 10.375 | 10.366 | 10.382 | VV | 187    | 1091    | 0.01%  | 0.004%  |
| 143 | 10.394 | 10.382 | 10.407 | VV | 277    | 2943    | 0.04%  | 0.011%  |
| 144 | 10.412 | 10.407 | 10.429 | VV | 201    | 1878    | 0.02%  | 0.007%  |
| 145 | 10.443 | 10.429 | 10.459 | VV | 253    | 3402    | 0.04%  | 0.013%  |
| 146 | 10.487 | 10.459 | 10.530 | VV | 578    | 14888   | 0.19%  | 0.057%  |
| 147 | 10.560 | 10.530 | 10.575 | VV | 549    | 10393   | 0.14%  | 0.040%  |
| 148 | 10.591 | 10.575 | 10.610 | VV | 603    | 9952    | 0.13%  | 0.038%  |
| 149 | 10.624 | 10.610 | 10.644 | VV | 692    | 9923    | 0.13%  | 0.038%  |
| 150 | 10.649 | 10.644 | 10.665 | VV | 465    | 4193    | 0.05%  | 0.016%  |
| 151 | 10.686 | 10.665 | 10.705 | VV | 1245   | 16114   | 0.21%  | 0.061%  |
| 152 | 10.722 | 10.705 | 10.740 | VV | 416    | 6071    | 0.08%  | 0.023%  |
| 153 | 10.768 | 10.740 | 10.777 | VV | 576    | 9720    | 0.13%  | 0.037%  |
| 154 | 10.789 | 10.777 | 10.817 | VV | 767    | 12247   | 0.16%  | 0.047%  |
| 155 | 10.855 | 10.817 | 10.873 | VV | 701    | 18304   | 0.24%  | 0.070%  |
| 156 | 10.904 | 10.873 | 10.942 | VV | 635    | 18685   | 0.24%  | 0.071%  |
| 157 | 10.960 | 10.942 | 10.974 | VV | 696    | 8789    | 0.11%  | 0.034%  |
| 158 | 10.993 | 10.974 | 11.000 | VV | 423    | 5915    | 0.08%  | 0.023%  |
| 159 | 11.033 | 11.000 | 11.057 | VV | 1354   | 25166   | 0.33%  | 0.096%  |
| 160 | 11.095 | 11.057 | 11.110 | VV | 437    | 9339    | 0.12%  | 0.036%  |
| 161 | 11.122 | 11.110 | 11.154 | VV | 436    | 8383    | 0.11%  | 0.032%  |
| 162 | 11.170 | 11.154 | 11.202 | VV | 428    | 9272    | 0.12%  | 0.035%  |
| 163 | 11.221 | 11.202 | 11.227 | VV | 302    | 3966    | 0.05%  | 0.015%  |
| 164 | 11.234 | 11.227 | 11.240 | VV | 347    | 2561    | 0.03%  | 0.010%  |
| 165 | 11.244 | 11.240 | 11.259 | VV | 356    | 3206    | 0.04%  | 0.012%  |
| 166 | 11.276 | 11.259 | 11.293 | VV | 375    | 5920    | 0.08%  | 0.023%  |
| 167 | 11.302 | 11.293 | 11.310 | VV | 311    | 2978    | 0.04%  | 0.011%  |
| 168 | 11.330 | 11.310 | 11.352 | VV | 628    | 10535   | 0.14%  | 0.040%  |
| 169 | 11.355 | 11.352 | 11.359 | VV | 297    | 1183    | 0.02%  | 0.005%  |
| 170 | 11.363 | 11.359 | 11.380 | VV | 278    | 1932    | 0.03%  | 0.007%  |
| 171 | 11.413 | 11.380 | 11.424 | VV | 170    | 2942    | 0.04%  | 0.011%  |
| 172 | 11.440 | 11.437 | 11.460 | VV | 155    | 1028    | 0.01%  | 0.004%  |
| 173 | 11.477 | 11.460 | 11.494 | VV | 129    | 1693    | 0.02%  | 0.006%  |
| 174 | 11.542 | 11.520 | 11.564 | VV | 537    | 7474    | 0.10%  | 0.029%  |
| 175 | 11.584 | 11.564 | 11.594 | VV | 525    | 5896    | 0.08%  | 0.022%  |
| 176 | 11.607 | 11.594 | 11.637 | VV | 813    | 11260   | 0.15%  | 0.043%  |
| 177 | 11.654 | 11.637 | 11.664 | VV | 258    | 2903    | 0.04%  | 0.011%  |
| 178 | 11.685 | 11.664 | 11.730 | VV | 958    | 16048   | 0.21%  | 0.061%  |
| 179 | 11.737 | 11.730 | 11.749 | VV | 144    | 1248    | 0.02%  | 0.005%  |
| 180 | 11.769 | 11.749 | 11.787 | VV | 479    | 5670    | 0.07%  | 0.022%  |
| 181 | 11.801 | 11.787 | 11.829 | VV | 397    | 5707    | 0.07%  | 0.022%  |
| 182 | 11.850 | 11.829 | 11.876 | VV | 157    | 2233    | 0.03%  | 0.009%  |
| 183 | 11.930 | 11.876 | 11.984 | PV | 621545 | 6912604 | 89.88% | 26.364% |
| 184 | 11.997 | 11.984 | 12.011 | VV | 835    | 11760   | 0.15%  | 0.045%  |
| 185 | 12.026 | 12.011 | 12.052 | VV | 938    | 16940   | 0.22%  | 0.065%  |
| 186 | 12.057 | 12.052 | 12.062 | VV | 481    | 2377    | 0.03%  | 0.009%  |
| 187 | 12.092 | 12.062 | 12.113 | VV | 1022   | 18874   | 0.25%  | 0.072%  |
| 188 | 12.132 | 12.113 | 12.147 | VV | 317    | 4585    | 0.06%  | 0.017%  |
| 189 | 12.161 | 12.147 | 12.192 | VV | 303    | 5716    | 0.07%  | 0.022%  |
| 190 | 12.206 | 12.192 | 12.215 | VV | 341    | 3681    | 0.05%  | 0.014%  |
| 191 | 12.272 | 12.215 | 12.302 | VV | 991    | 27874   | 0.36%  | 0.106%  |
| 192 | 12.330 | 12.302 | 12.356 | VV | 11733  | 145608  | 1.89%  | 0.555%  |
| 193 | 12.373 | 12.356 | 12.398 | VV | 1185   | 17341   | 0.23%  | 0.066%  |
| 194 | 12.411 | 12.398 | 12.460 | VV | 496    | 14536   | 0.19%  | 0.055%  |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 12.523 | 12.460 | 12.622 | VV | 12580  | 223847  | 2.91%  | 0.854% |
| 196    | 12.637 | 12.622 | 12.645 | VV | 651    | 8006    | 0.10%  | 0.031% |
| 197    | 12.654 | 12.645 | 12.668 | VV | 664    | 7990    | 0.10%  | 0.030% |
| 198    | 12.676 | 12.668 | 12.679 | VV | 563    | 3212    | 0.04%  | 0.012% |
| 199    | 12.689 | 12.679 | 12.719 | VV | 645    | 12782   | 0.17%  | 0.049% |
| 200    | 12.727 | 12.719 | 12.738 | VV | 496    | 5139    | 0.07%  | 0.020% |
| 201    | 12.780 | 12.738 | 12.829 | VV | 4154   | 69028   | 0.90%  | 0.263% |
| 202    | 12.855 | 12.829 | 12.885 | VV | 970    | 17263   | 0.22%  | 0.066% |
| 203    | 12.918 | 12.885 | 12.944 | VV | 1053   | 16963   | 0.22%  | 0.065% |
| 204    | 12.950 | 12.944 | 12.955 | VV | 362    | 2306    | 0.03%  | 0.009% |
| 205    | 12.985 | 12.955 | 13.026 | VV | 2353   | 42789   | 0.56%  | 0.163% |
| 206    | 13.031 | 13.026 | 13.034 | VV | 236    | 1008    | 0.01%  | 0.004% |
| 207    | 13.044 | 13.034 | 13.054 | VV | 346    | 2920    | 0.04%  | 0.011% |
| 208    | 13.058 | 13.054 | 13.087 | VV | 269    | 2769    | 0.04%  | 0.011% |
| 209    | 13.139 | 13.109 | 13.155 | PV | 361    | 5155    | 0.07%  | 0.020% |
| 210    | 13.177 | 13.155 | 13.185 | VV | 323    | 4346    | 0.06%  | 0.017% |
| 211    | 13.197 | 13.185 | 13.234 | VV | 465    | 9047    | 0.12%  | 0.035% |
| 212    | 13.240 | 13.234 | 13.256 | VV | 289    | 2848    | 0.04%  | 0.011% |
| 213    | 13.284 | 13.256 | 13.300 | VV | 671    | 11732   | 0.15%  | 0.045% |
| 214    | 13.322 | 13.300 | 13.334 | VV | 1149   | 16874   | 0.22%  | 0.064% |
| 215    | 13.364 | 13.334 | 13.439 | VV | 102180 | 1236442 | 16.08% | 4.716% |
| 216    | 13.443 | 13.439 | 13.450 | VV | 347    | 2207    | 0.03%  | 0.008% |
| 217    | 13.490 | 13.450 | 13.511 | VV | 518    | 13663   | 0.18%  | 0.052% |
| 218    | 13.555 | 13.511 | 13.560 | VV | 985    | 19167   | 0.25%  | 0.073% |
| 219    | 13.585 | 13.560 | 13.696 | VV | 7172   | 160187  | 2.08%  | 0.611% |
| 220    | 13.709 | 13.696 | 13.713 | VV | 580    | 5688    | 0.07%  | 0.022% |
| 221    | 13.759 | 13.713 | 13.851 | VV | 5661   | 138260  | 1.80%  | 0.527% |
| 222    | 13.869 | 13.851 | 13.881 | VV | 543    | 8799    | 0.11%  | 0.034% |
| 223    | 13.885 | 13.881 | 13.891 | VV | 497    | 2809    | 0.04%  | 0.011% |
| 224    | 13.909 | 13.891 | 13.914 | VV | 569    | 6756    | 0.09%  | 0.026% |
| 225    | 13.932 | 13.914 | 13.962 | VV | 613    | 14515   | 0.19%  | 0.055% |
| 226    | 13.982 | 13.962 | 14.019 | VV | 610    | 14688   | 0.19%  | 0.056% |
| 227    | 14.067 | 14.019 | 14.097 | VV | 1298   | 27580   | 0.36%  | 0.105% |
| 228    | 14.118 | 14.097 | 14.159 | VV | 990    | 20383   | 0.27%  | 0.078% |
| 229    | 14.177 | 14.159 | 14.202 | VV | 364    | 7207    | 0.09%  | 0.027% |
| 230    | 14.237 | 14.202 | 14.267 | VV | 571    | 13331   | 0.17%  | 0.051% |
| 231    | 14.279 | 14.267 | 14.299 | VV | 362    | 4579    | 0.06%  | 0.017% |
| 232    | 14.345 | 14.299 | 14.362 | VV | 275    | 7935    | 0.10%  | 0.030% |
| 233    | 14.368 | 14.362 | 14.397 | VV | 249    | 4110    | 0.05%  | 0.016% |
| 234    | 14.404 | 14.397 | 14.431 | VV | 218    | 3496    | 0.05%  | 0.013% |
| 235    | 14.454 | 14.431 | 14.481 | VV | 331    | 6607    | 0.09%  | 0.025% |
| 236    | 14.515 | 14.481 | 14.529 | VV | 663    | 11985   | 0.16%  | 0.046% |
| 237    | 14.555 | 14.529 | 14.593 | VV | 1815   | 33154   | 0.43%  | 0.126% |
| 238    | 14.599 | 14.593 | 14.632 | VV | 381    | 7861    | 0.10%  | 0.030% |
| 239    | 14.640 | 14.632 | 14.659 | VV | 282    | 4054    | 0.05%  | 0.015% |
| 240    | 14.679 | 14.659 | 14.702 | VV | 438    | 8797    | 0.11%  | 0.034% |
| 241    | 14.719 | 14.702 | 14.753 | VV | 400    | 10545   | 0.14%  | 0.040% |
| 242    | 14.783 | 14.753 | 14.807 | VV | 537    | 13799   | 0.18%  | 0.053% |
| 243    | 14.815 | 14.807 | 14.829 | VV | 493    | 5284    | 0.07%  | 0.020% |
| 244    | 14.838 | 14.829 | 14.872 | VV | 480    | 9371    | 0.12%  | 0.036% |
| 245    | 14.893 | 14.872 | 14.908 | VV | 359    | 6274    | 0.08%  | 0.024% |
| 246    | 14.927 | 14.908 | 14.961 | VV | 417    | 9009    | 0.12%  | 0.034% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 247 | 15.000 | 14.961 | 15.020 | VV | 524    | 12641  | 0.16% | 0.048% |
| 248 | 15.030 | 15.020 | 15.047 | VV | 373    | 5369   | 0.07% | 0.020% |
| 249 | 15.065 | 15.047 | 15.114 | VV | 519    | 11506  | 0.15% | 0.044% |
| 250 | 15.187 | 15.114 | 15.206 | VV | 1034   | 25907  | 0.34% | 0.099% |
| 251 | 15.222 | 15.206 | 15.243 | VV | 1155   | 19023  | 0.25% | 0.073% |
| 252 | 15.269 | 15.243 | 15.316 | VV | 3233   | 48650  | 0.63% | 0.186% |
| 253 | 15.329 | 15.316 | 15.368 | VV | 297    | 5288   | 0.07% | 0.020% |
| 254 | 15.392 | 15.368 | 15.440 | VV | 499    | 11849  | 0.15% | 0.045% |
| 255 | 15.443 | 15.440 | 15.502 | VV | 201    | 3221   | 0.04% | 0.012% |
| 256 | 15.527 | 15.502 | 15.565 | VV | 269    | 5207   | 0.07% | 0.020% |
| 257 | 15.601 | 15.565 | 15.680 | VV | 17054  | 292703 | 3.81% | 1.116% |
| 258 | 15.699 | 15.680 | 15.730 | VV | 978    | 22564  | 0.29% | 0.086% |
| 259 | 15.762 | 15.730 | 15.788 | VV | 1904   | 35516  | 0.46% | 0.135% |
| 260 | 15.800 | 15.788 | 15.836 | VV | 541    | 8881   | 0.12% | 0.034% |
| 261 | 15.872 | 15.836 | 15.893 | VV | 372    | 7980   | 0.10% | 0.030% |
| 262 | 15.904 | 15.893 | 15.932 | VV | 217    | 3819   | 0.05% | 0.015% |
| 263 | 15.958 | 15.932 | 15.999 | VV | 552    | 10942  | 0.14% | 0.042% |
| 264 | 16.066 | 15.999 | 16.082 | VV | 318    | 9069   | 0.12% | 0.035% |
| 265 | 16.125 | 16.082 | 16.157 | VV | 615    | 16760  | 0.22% | 0.064% |
| 266 | 16.167 | 16.157 | 16.190 | VV | 346    | 5631   | 0.07% | 0.021% |
| 267 | 16.207 | 16.190 | 16.225 | VV | 632    | 8706   | 0.11% | 0.033% |
| 268 | 16.246 | 16.225 | 16.276 | VV | 913    | 14563  | 0.19% | 0.056% |
| 269 | 16.308 | 16.276 | 16.361 | VV | 1461   | 26037  | 0.34% | 0.099% |
| 270 | 16.387 | 16.361 | 16.406 | VV | 252    | 4672   | 0.06% | 0.018% |
| 271 | 16.429 | 16.406 | 16.454 | VV | 214    | 3669   | 0.05% | 0.014% |
| 272 | 16.554 | 16.513 | 16.564 | VV | 162    | 2484   | 0.03% | 0.009% |
| 273 | 16.617 | 16.564 | 16.689 | VV | 3583   | 77127  | 1.00% | 0.294% |
| 274 | 16.730 | 16.689 | 16.760 | VV | 789    | 25235  | 0.33% | 0.096% |
| 275 | 16.810 | 16.760 | 16.850 | VV | 1063   | 28256  | 0.37% | 0.108% |
| 276 | 16.876 | 16.850 | 16.997 | VV | 657    | 32017  | 0.42% | 0.122% |
| 277 | 17.012 | 16.997 | 17.049 | VV | 283    | 5882   | 0.08% | 0.022% |
| 278 | 17.096 | 17.049 | 17.119 | VV | 611    | 16923  | 0.22% | 0.065% |
| 279 | 17.162 | 17.119 | 17.173 | VV | 715    | 17953  | 0.23% | 0.068% |
| 280 | 17.194 | 17.173 | 17.220 | VV | 1379   | 25117  | 0.33% | 0.096% |
| 281 | 17.245 | 17.220 | 17.260 | VV | 1342   | 22593  | 0.29% | 0.086% |
| 282 | 17.275 | 17.260 | 17.372 | VV | 1162   | 24715  | 0.32% | 0.094% |
| 283 | 17.382 | 17.372 | 17.405 | VV | 149    | 1546   | 0.02% | 0.006% |
| 284 | 17.432 | 17.405 | 17.459 | VV | 154    | 2264   | 0.03% | 0.009% |
| 285 | 17.482 | 17.459 | 17.499 | PV | 135    | 1992   | 0.03% | 0.008% |
| 286 | 17.562 | 17.499 | 17.617 | VV | 1894   | 52502  | 0.68% | 0.200% |
| 287 | 17.645 | 17.617 | 17.702 | VV | 2033   | 38739  | 0.50% | 0.148% |
| 288 | 17.737 | 17.702 | 17.791 | VV | 653    | 16970  | 0.22% | 0.065% |
| 289 | 17.826 | 17.791 | 17.845 | VV | 224    | 5090   | 0.07% | 0.019% |
| 290 | 17.873 | 17.845 | 17.908 | VV | 427    | 8302   | 0.11% | 0.032% |
| 291 | 17.940 | 17.908 | 17.985 | VV | 259    | 5685   | 0.07% | 0.022% |
| 292 | 18.015 | 17.985 | 18.034 | PV | 415    | 7548   | 0.10% | 0.029% |
| 293 | 18.084 | 18.034 | 18.125 | VV | 1944   | 37471  | 0.49% | 0.143% |
| 294 | 18.175 | 18.125 | 18.222 | VV | 3027   | 46274  | 0.60% | 0.176% |
| 295 | 18.252 | 18.222 | 18.279 | VV | 261    | 4710   | 0.06% | 0.018% |
| 296 | 18.311 | 18.279 | 18.333 | VV | 362    | 7236   | 0.09% | 0.028% |
| 297 | 18.362 | 18.333 | 18.389 | VV | 417    | 8538   | 0.11% | 0.033% |
| 298 | 18.441 | 18.389 | 18.489 | VV | 9310   | 179281 | 2.33% | 0.684% |
| 299 | 18.511 | 18.489 | 18.546 | VV | 3186   | 64330  | 0.84% | 0.245% |

|                         |        |        |        |    | rt  | Area     | Area% | Area%  |
|-------------------------|--------|--------|--------|----|-----|----------|-------|--------|
| 300                     | 18.566 | 18.546 | 18.582 | VV | 841 | 15831    | 0.21% | 0.060% |
| 301                     | 18.604 | 18.582 | 18.620 | VV | 803 | 16106    | 0.21% | 0.061% |
| 302                     | 18.633 | 18.620 | 18.693 | VV | 825 | 13611    | 0.18% | 0.052% |
| 303                     | 18.721 | 18.693 | 18.732 | PV | 114 | 1273     | 0.02% | 0.005% |
| 304                     | 18.764 | 18.732 | 18.790 | PV | 213 | 3994     | 0.05% | 0.015% |
| Sum of corrected areas: |        |        |        |    |     | 26220323 |       |        |

Aromatic EPH 011425.M Wed Jan 29 02:06:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015195.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 21:34  
 Operator : YP\AJ  
 Sample : Q1194-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 B-113-SB02

Integration File: autoint1.e  
 Quant Time: Jan 29 02:38:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.385 | 4656324  | 38.241 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 76.48%     |

Target Compounds

(f)=RT Delta > 1/2 Window

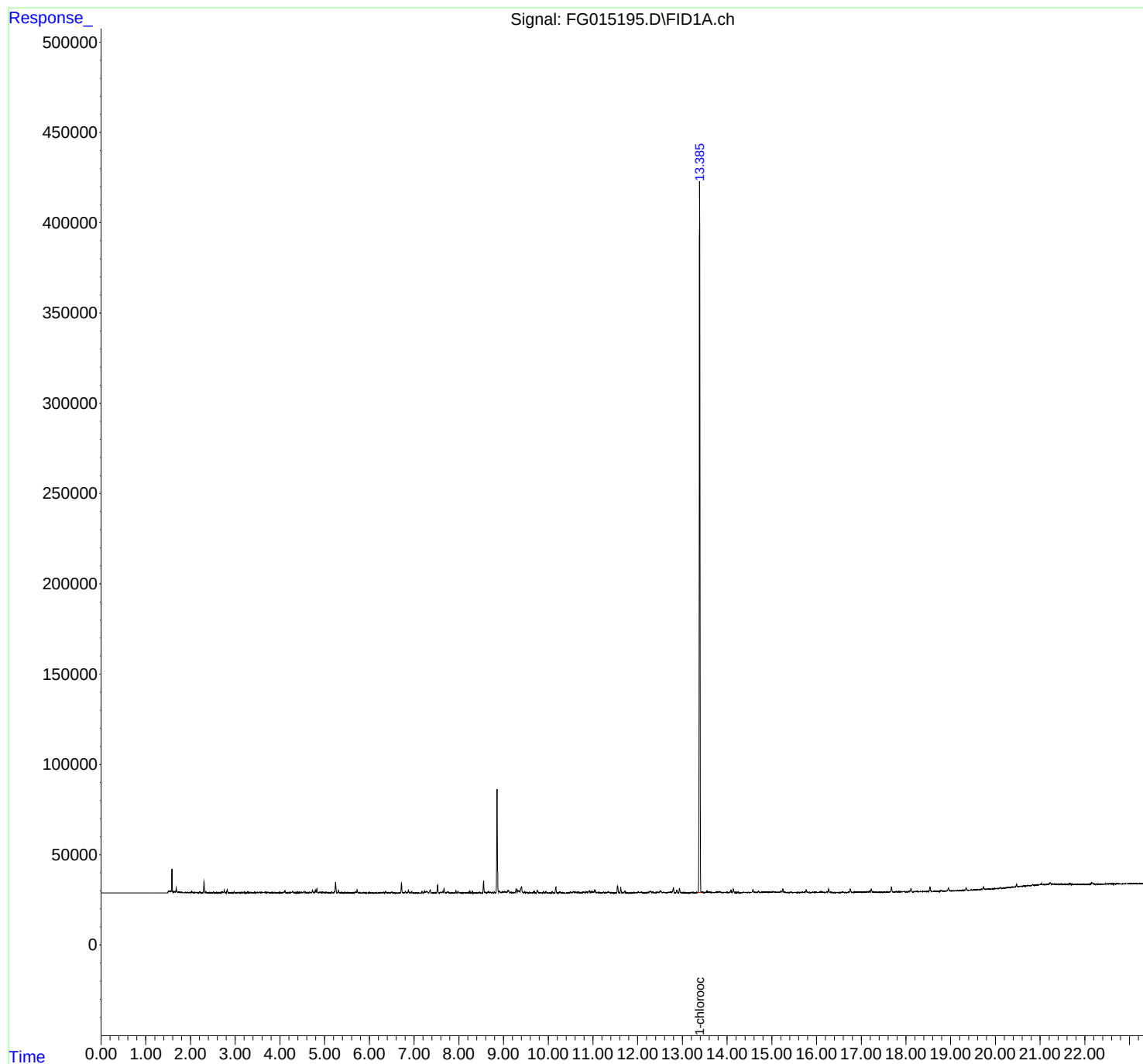
(m)=manual int.

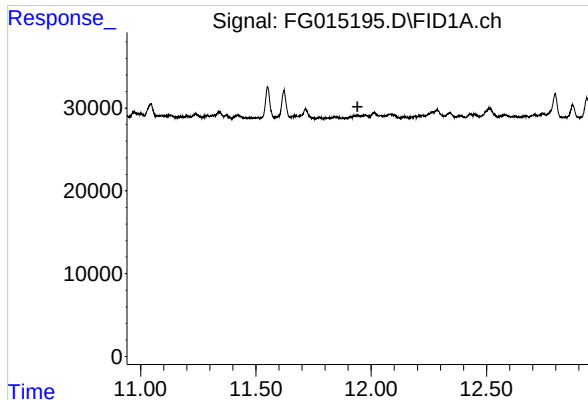
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015195.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 21:34  
Operator : YP\AJ  
Sample : Q1194-04  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-113-SB02

Integration File: autoint1.e  
Quant Time: Jan 29 02:38:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

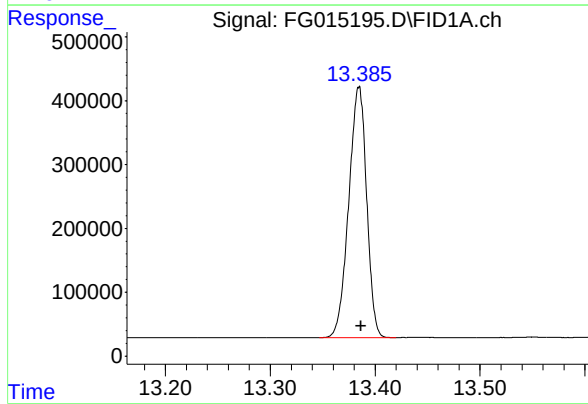




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.940 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
B-113-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min  
Delta R.T.: -0.002 min  
Response: 4656324  
Conc: 38.24 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015195.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 21:34  
 Sample : Q1194-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.283       | 3.221        | 3.318      | BV       | 420            | 6471         | 0.14%          | 0.066%        |
| 2         | 3.348       | 3.318        | 3.463      | PV       | 141            | 6550         | 0.14%          | 0.067%        |
| 3         | 3.473       | 3.463        | 3.482      | VV       | 109            | 1082         | 0.02%          | 0.011%        |
| 4         | 3.505       | 3.482        | 3.514      | VV       | 146            | 2178         | 0.05%          | 0.022%        |
| 5         | 3.525       | 3.514        | 3.598      | VV       | 207            | 6755         | 0.14%          | 0.069%        |
| 6         | 3.617       | 3.598        | 3.652      | VV       | 224            | 5746         | 0.12%          | 0.059%        |
| 7         | 3.673       | 3.652        | 3.708      | VV       | 412            | 6260         | 0.13%          | 0.064%        |
| 8         | 3.731       | 3.708        | 3.777      | VV       | 264            | 5620         | 0.12%          | 0.057%        |
| 9         | 3.789       | 3.777        | 3.805      | VV       | 85             | 1120         | 0.02%          | 0.011%        |
| 10        | 3.828       | 3.805        | 3.845      | VV       | 132            | 1597         | 0.03%          | 0.016%        |
| 11        | 3.868       | 3.845        | 3.908      | VV       | 126            | 2852         | 0.06%          | 0.029%        |
| 12        | 3.914       | 3.908        | 3.946      | VV       | 123            | 1675         | 0.04%          | 0.017%        |
| 13        | 3.958       | 3.946        | 3.985      | VV       | 132            | 1741         | 0.04%          | 0.018%        |
| 14        | 3.988       | 3.985        | 3.998      | VV       | 182            | 753          | 0.02%          | 0.008%        |
| 15        | 4.005       | 3.998        | 4.026      | VV       | 87             | 1148         | 0.02%          | 0.012%        |
| 16        | 4.078       | 4.026        | 4.094      | PV       | 505            | 6933         | 0.15%          | 0.071%        |
| 17        | 4.113       | 4.094        | 4.144      | VV       | 1257           | 14046        | 0.30%          | 0.143%        |
| 18        | 4.155       | 4.144        | 4.161      | VV       | 118            | 782          | 0.02%          | 0.008%        |
| 19        | 4.191       | 4.161        | 4.235      | VV       | 201            | 5654         | 0.12%          | 0.058%        |
| 20        | 4.284       | 4.235        | 4.310      | VV       | 974            | 16546        | 0.35%          | 0.169%        |
| 21        | 4.330       | 4.310        | 4.395      | VV       | 196            | 5956         | 0.13%          | 0.061%        |
| 22        | 4.445       | 4.395        | 4.514      | VV       | 187            | 10448        | 0.22%          | 0.106%        |
| 23        | 4.541       | 4.514        | 4.608      | VV       | 994            | 16744        | 0.36%          | 0.171%        |
| 24        | 4.621       | 4.608        | 4.645      | VV       | 205            | 2831         | 0.06%          | 0.029%        |
| 25        | 4.669       | 4.645        | 4.695      | VV       | 480            | 7139         | 0.15%          | 0.073%        |
| 26        | 4.730       | 4.695        | 4.751      | VV       | 1671           | 20324        | 0.43%          | 0.207%        |
| 27        | 4.763       | 4.751        | 4.773      | VV       | 247            | 2765         | 0.06%          | 0.028%        |
| 28        | 4.793       | 4.773        | 4.809      | VV       | 1259           | 13788        | 0.30%          | 0.140%        |
| 29        | 4.826       | 4.809        | 4.851      | VV       | 2333           | 25001        | 0.53%          | 0.255%        |
| 30        | 4.929       | 4.851        | 4.938      | VV       | 231            | 9529         | 0.20%          | 0.097%        |
| 31        | 4.957       | 4.938        | 4.991      | VV       | 430            | 7741         | 0.17%          | 0.079%        |
| 32        | 5.001       | 4.991        | 5.021      | VV       | 216            | 3169         | 0.07%          | 0.032%        |
| 33        | 5.037       | 5.021        | 5.078      | VV       | 188            | 4898         | 0.10%          | 0.050%        |
| 34        | 5.086       | 5.078        | 5.135      | VV       | 129            | 3278         | 0.07%          | 0.033%        |
| 35        | 5.158       | 5.135        | 5.188      | VV       | 366            | 6560         | 0.14%          | 0.067%        |
| 36        | 5.245       | 5.188        | 5.278      | VV       | 5985           | 78727        | 1.68%          | 0.802%        |



|    |       |       |       |    | rterres |       |       |        |
|----|-------|-------|-------|----|---------|-------|-------|--------|
| 37 | 5.308 | 5.278 | 5.344 | VV | 1099    | 14290 | 0.31% | 0.146% |
| 38 | 5.364 | 5.344 | 5.401 | VV | 175     | 3546  | 0.08% | 0.036% |
| 39 | 5.425 | 5.401 | 5.438 | VV | 145     | 2150  | 0.05% | 0.022% |
| 40 | 5.454 | 5.438 | 5.476 | VV | 294     | 3985  | 0.09% | 0.041% |
| 41 | 5.496 | 5.476 | 5.524 | VV | 255     | 3715  | 0.08% | 0.038% |
| 42 | 5.554 | 5.524 | 5.568 | VV | 165     | 3012  | 0.06% | 0.031% |
| 43 | 5.573 | 5.568 | 5.630 | VV | 158     | 3646  | 0.08% | 0.037% |
| 44 | 5.647 | 5.630 | 5.663 | VV | 251     | 3001  | 0.06% | 0.031% |
| 45 | 5.683 | 5.663 | 5.708 | VV | 584     | 8714  | 0.19% | 0.089% |
| 46 | 5.728 | 5.708 | 5.752 | VV | 1730    | 19713 | 0.42% | 0.201% |
| 47 | 5.788 | 5.752 | 5.814 | VV | 447     | 6297  | 0.13% | 0.064% |
| 48 | 5.825 | 5.814 | 5.831 | VV | 100     | 666   | 0.01% | 0.007% |
| 49 | 5.862 | 5.831 | 5.905 | VV | 247     | 6788  | 0.15% | 0.069% |
| 50 | 5.913 | 5.905 | 5.934 | VV | 90      | 1013  | 0.02% | 0.010% |
| 51 | 5.952 | 5.934 | 5.965 | VV | 75      | 1298  | 0.03% | 0.013% |
| 52 | 5.969 | 5.965 | 5.978 | VV | 133     | 785   | 0.02% | 0.008% |
| 53 | 5.996 | 5.978 | 6.035 | VV | 276     | 4431  | 0.09% | 0.045% |
| 54 | 6.055 | 6.035 | 6.099 | VV | 158     | 2853  | 0.06% | 0.029% |
| 55 | 6.165 | 6.099 | 6.191 | VV | 125     | 3711  | 0.08% | 0.038% |
| 56 | 6.257 | 6.191 | 6.300 | VV | 346     | 11114 | 0.24% | 0.113% |
| 57 | 6.321 | 6.300 | 6.341 | VV | 392     | 6372  | 0.14% | 0.065% |
| 58 | 6.364 | 6.341 | 6.410 | VV | 1003    | 13432 | 0.29% | 0.137% |
| 59 | 6.431 | 6.410 | 6.458 | VV | 278     | 4987  | 0.11% | 0.051% |
| 60 | 6.503 | 6.458 | 6.572 | VV | 503     | 15092 | 0.32% | 0.154% |
| 61 | 6.607 | 6.572 | 6.667 | VV | 120     | 4582  | 0.10% | 0.047% |
| 62 | 6.719 | 6.667 | 6.750 | VV | 5854    | 62818 | 1.34% | 0.640% |
| 63 | 6.764 | 6.750 | 6.779 | VV | 263     | 3191  | 0.07% | 0.032% |
| 64 | 6.806 | 6.779 | 6.826 | VV | 945     | 11725 | 0.25% | 0.119% |
| 65 | 6.843 | 6.826 | 6.856 | VV | 509     | 5460  | 0.12% | 0.056% |
| 66 | 6.874 | 6.856 | 6.894 | VV | 1570    | 16791 | 0.36% | 0.171% |
| 67 | 6.908 | 6.894 | 6.929 | VV | 501     | 5476  | 0.12% | 0.056% |
| 68 | 6.949 | 6.929 | 6.971 | VV | 833     | 8618  | 0.18% | 0.088% |
| 69 | 6.984 | 6.971 | 7.030 | VV | 57      | 1290  | 0.03% | 0.013% |
| 70 | 7.041 | 7.030 | 7.058 | VV | 110     | 1170  | 0.03% | 0.012% |
| 71 | 7.063 | 7.058 | 7.078 | VV | 105     | 750   | 0.02% | 0.008% |
| 72 | 7.098 | 7.078 | 7.118 | VV | 210     | 2586  | 0.06% | 0.026% |
| 73 | 7.126 | 7.118 | 7.147 | VV | 100     | 1046  | 0.02% | 0.011% |
| 74 | 7.177 | 7.147 | 7.211 | PV | 1031    | 12005 | 0.26% | 0.122% |
| 75 | 7.231 | 7.211 | 7.265 | VV | 1104    | 19267 | 0.41% | 0.196% |
| 76 | 7.283 | 7.265 | 7.328 | VV | 1042    | 21069 | 0.45% | 0.215% |
| 77 | 7.361 | 7.328 | 7.387 | VV | 1778    | 26243 | 0.56% | 0.267% |
| 78 | 7.401 | 7.387 | 7.421 | VV | 216     | 2710  | 0.06% | 0.028% |
| 79 | 7.468 | 7.421 | 7.498 | VV | 324     | 8741  | 0.19% | 0.089% |
| 80 | 7.527 | 7.498 | 7.559 | VV | 4366    | 48782 | 1.04% | 0.497% |
| 81 | 7.588 | 7.559 | 7.620 | VV | 493     | 10926 | 0.23% | 0.111% |
| 82 | 7.636 | 7.620 | 7.649 | VV | 678     | 7653  | 0.16% | 0.078% |
| 83 | 7.670 | 7.649 | 7.693 | VV | 2556    | 30341 | 0.65% | 0.309% |
| 84 | 7.708 | 7.693 | 7.721 | VV | 288     | 4145  | 0.09% | 0.042% |
| 85 | 7.736 | 7.721 | 7.749 | VV | 584     | 7443  | 0.16% | 0.076% |
| 86 | 7.763 | 7.749 | 7.811 | VV | 801     | 10805 | 0.23% | 0.110% |
| 87 | 7.832 | 7.811 | 7.867 | VV | 230     | 4468  | 0.10% | 0.046% |
| 88 | 7.882 | 7.867 | 7.912 | VV | 151     | 2755  | 0.06% | 0.028% |
| 89 | 7.937 | 7.912 | 7.965 | VV | 1504    | 17052 | 0.36% | 0.174% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 90  | 7.985  | 7.965  | 8.008  | VV | 1120   | 14145  | 0.30%  | 0.144% |
| 91  | 8.021  | 8.008  | 8.063  | VV | 342    | 6897   | 0.15%  | 0.070% |
| 92  | 8.103  | 8.063  | 8.117  | VV | 305    | 6405   | 0.14%  | 0.065% |
| 93  | 8.135  | 8.117  | 8.151  | VV | 321    | 5062   | 0.11%  | 0.052% |
| 94  | 8.159  | 8.151  | 8.178  | VV | 283    | 2944   | 0.06%  | 0.030% |
| 95  | 8.201  | 8.178  | 8.225  | VV | 455    | 5428   | 0.12%  | 0.055% |
| 96  | 8.247  | 8.225  | 8.273  | VV | 1445   | 16681  | 0.36%  | 0.170% |
| 97  | 8.304  | 8.273  | 8.328  | VV | 1131   | 13594  | 0.29%  | 0.138% |
| 98  | 8.344  | 8.328  | 8.360  | VV | 289    | 4212   | 0.09%  | 0.043% |
| 99  | 8.374  | 8.360  | 8.389  | VV | 292    | 3290   | 0.07%  | 0.034% |
| 100 | 8.406  | 8.389  | 8.431  | VV | 216    | 3270   | 0.07%  | 0.033% |
| 101 | 8.461  | 8.431  | 8.482  | VV | 656    | 7974   | 0.17%  | 0.081% |
| 102 | 8.500  | 8.482  | 8.527  | VV | 177    | 3635   | 0.08%  | 0.037% |
| 103 | 8.555  | 8.527  | 8.630  | VV | 6605   | 79794  | 1.71%  | 0.813% |
| 104 | 8.655  | 8.630  | 8.688  | VV | 786    | 17242  | 0.37%  | 0.176% |
| 105 | 8.707  | 8.688  | 8.735  | VV | 661    | 10221  | 0.22%  | 0.104% |
| 106 | 8.751  | 8.735  | 8.773  | VV | 630    | 7948   | 0.17%  | 0.081% |
| 107 | 8.793  | 8.773  | 8.825  | VV | 822    | 9537   | 0.20%  | 0.097% |
| 108 | 8.857  | 8.825  | 8.931  | PV | 57276  | 617318 | 13.21% | 6.287% |
| 109 | 8.939  | 8.931  | 8.955  | VV | 397    | 5790   | 0.12%  | 0.059% |
| 110 | 8.975  | 8.955  | 8.994  | VV | 582    | 12003  | 0.26%  | 0.122% |
| 111 | 9.021  | 8.994  | 9.037  | VV | 931    | 17573  | 0.38%  | 0.179% |
| 112 | 9.051  | 9.037  | 9.065  | VV | 906    | 11227  | 0.24%  | 0.114% |
| 113 | 9.102  | 9.065  | 9.142  | VV | 1620   | 40086  | 0.86%  | 0.408% |
| 114 | 9.165  | 9.142  | 9.188  | VV | 624    | 10243  | 0.22%  | 0.104% |
| 115 | 9.217  | 9.188  | 9.241  | VV | 628    | 9730   | 0.21%  | 0.099% |
| 116 | 9.285  | 9.241  | 9.304  | VV | 2684   | 38170  | 0.82%  | 0.389% |
| 117 | 9.323  | 9.304  | 9.367  | VV | 1654   | 39851  | 0.85%  | 0.406% |
| 118 | 9.402  | 9.367  | 9.454  | VV | 3518   | 80376  | 1.72%  | 0.819% |
| 119 | 9.475  | 9.454  | 9.500  | VV | 978    | 13301  | 0.28%  | 0.135% |
| 120 | 9.524  | 9.500  | 9.556  | VV | 628    | 9852   | 0.21%  | 0.100% |
| 121 | 9.576  | 9.556  | 9.598  | VV | 266    | 5407   | 0.12%  | 0.055% |
| 122 | 9.608  | 9.598  | 9.654  | VV | 401    | 9081   | 0.19%  | 0.092% |
| 123 | 9.691  | 9.654  | 9.732  | VV | 810    | 19700  | 0.42%  | 0.201% |
| 124 | 9.756  | 9.732  | 9.795  | VV | 1612   | 26179  | 0.56%  | 0.267% |
| 125 | 9.810  | 9.795  | 9.831  | VV | 409    | 6323   | 0.14%  | 0.064% |
| 126 | 9.851  | 9.831  | 9.875  | VV | 443    | 7023   | 0.15%  | 0.072% |
| 127 | 9.895  | 9.875  | 9.925  | VV | 947    | 13449  | 0.29%  | 0.137% |
| 128 | 9.949  | 9.925  | 9.995  | VV | 1086   | 15919  | 0.34%  | 0.162% |
| 129 | 10.005 | 9.995  | 10.025 | VV | 156    | 2057   | 0.04%  | 0.021% |
| 130 | 10.040 | 10.025 | 10.063 | VV | 255    | 2815   | 0.06%  | 0.029% |
| 131 | 10.090 | 10.063 | 10.122 | VV | 960    | 12926  | 0.28%  | 0.132% |
| 132 | 10.131 | 10.122 | 10.139 | VV | 179    | 1473   | 0.03%  | 0.015% |
| 133 | 10.171 | 10.139 | 10.218 | VV | 3636   | 44520  | 0.95%  | 0.453% |
| 134 | 10.244 | 10.218 | 10.308 | VV | 576    | 19358  | 0.41%  | 0.197% |
| 135 | 10.321 | 10.308 | 10.333 | VV | 269    | 3456   | 0.07%  | 0.035% |
| 136 | 10.343 | 10.333 | 10.366 | VV | 282    | 3194   | 0.07%  | 0.033% |
| 137 | 10.375 | 10.366 | 10.401 | VV | 95     | 892    | 0.02%  | 0.009% |
| 138 | 10.453 | 10.401 | 10.468 | PV | 404    | 7182   | 0.15%  | 0.073% |
| 139 | 10.494 | 10.468 | 10.511 | VV | 555    | 10264  | 0.22%  | 0.105% |
| 140 | 10.520 | 10.511 | 10.532 | VV | 440    | 4122   | 0.09%  | 0.042% |
| 141 | 10.566 | 10.532 | 10.584 | VV | 980    | 18682  | 0.40%  | 0.190% |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.605 | 10.584 | 10.627 | VV | 702    | 12392   | 0.27%   | 0.126%  |
| 143 | 10.653 | 10.627 | 10.673 | VV | 583    | 11742   | 0.25%   | 0.120%  |
| 144 | 10.693 | 10.673 | 10.751 | VV | 370    | 11895   | 0.25%   | 0.121%  |
| 145 | 10.777 | 10.751 | 10.791 | VV | 647    | 10278   | 0.22%   | 0.105%  |
| 146 | 10.802 | 10.791 | 10.831 | VV | 509    | 9830    | 0.21%   | 0.100%  |
| 147 | 10.857 | 10.831 | 10.878 | VV | 805    | 17033   | 0.36%   | 0.173%  |
| 148 | 10.913 | 10.878 | 10.950 | VV | 1341   | 31324   | 0.67%   | 0.319%  |
| 149 | 10.971 | 10.950 | 11.018 | VV | 839    | 23602   | 0.51%   | 0.240%  |
| 150 | 11.044 | 11.018 | 11.081 | VV | 1813   | 34160   | 0.73%   | 0.348%  |
| 151 | 11.091 | 11.081 | 11.098 | VV | 396    | 3750    | 0.08%   | 0.038%  |
| 152 | 11.106 | 11.098 | 11.112 | VV | 406    | 2943    | 0.06%   | 0.030%  |
| 153 | 11.129 | 11.112 | 11.155 | VV | 457    | 8970    | 0.19%   | 0.091%  |
| 154 | 11.171 | 11.155 | 11.188 | VV | 268    | 4566    | 0.10%   | 0.046%  |
| 155 | 11.200 | 11.188 | 11.218 | VV | 368    | 4887    | 0.10%   | 0.050%  |
| 156 | 11.239 | 11.218 | 11.268 | VV | 578    | 11142   | 0.24%   | 0.113%  |
| 157 | 11.288 | 11.268 | 11.299 | VV | 375    | 5738    | 0.12%   | 0.058%  |
| 158 | 11.341 | 11.299 | 11.361 | VV | 827    | 18893   | 0.40%   | 0.192%  |
| 159 | 11.371 | 11.361 | 11.398 | VV | 427    | 5262    | 0.11%   | 0.054%  |
| 160 | 11.422 | 11.398 | 11.464 | VV | 419    | 8776    | 0.19%   | 0.089%  |
| 161 | 11.475 | 11.464 | 11.488 | VV | 142    | 1440    | 0.03%   | 0.015%  |
| 162 | 11.509 | 11.488 | 11.518 | VV | 157    | 1928    | 0.04%   | 0.020%  |
| 163 | 11.551 | 11.518 | 11.581 | VV | 3869   | 51446   | 1.10%   | 0.524%  |
| 164 | 11.621 | 11.581 | 11.651 | VV | 3395   | 47919   | 1.03%   | 0.488%  |
| 165 | 11.669 | 11.651 | 11.682 | VV | 395    | 5374    | 0.11%   | 0.055%  |
| 166 | 11.715 | 11.682 | 11.761 | VV | 1167   | 20396   | 0.44%   | 0.208%  |
| 167 | 11.775 | 11.761 | 11.795 | VV | 171    | 1597    | 0.03%   | 0.016%  |
| 168 | 11.840 | 11.795 | 11.885 | VV | 175    | 4951    | 0.11%   | 0.050%  |
| 169 | 11.945 | 11.885 | 11.955 | PV | 419    | 9817    | 0.21%   | 0.100%  |
| 170 | 11.975 | 11.955 | 11.993 | VV | 431    | 8362    | 0.18%   | 0.085%  |
| 171 | 12.013 | 11.993 | 12.054 | VV | 752    | 16297   | 0.35%   | 0.166%  |
| 172 | 12.085 | 12.054 | 12.125 | VV | 549    | 15237   | 0.33%   | 0.155%  |
| 173 | 12.143 | 12.125 | 12.163 | VV | 241    | 3356    | 0.07%   | 0.034%  |
| 174 | 12.221 | 12.163 | 12.235 | VV | 426    | 10931   | 0.23%   | 0.111%  |
| 175 | 12.285 | 12.235 | 12.317 | VV | 1029   | 31841   | 0.68%   | 0.324%  |
| 176 | 12.341 | 12.317 | 12.363 | VV | 688    | 12499   | 0.27%   | 0.127%  |
| 177 | 12.387 | 12.363 | 12.411 | VV | 346    | 7115    | 0.15%   | 0.072%  |
| 178 | 12.430 | 12.411 | 12.470 | VV | 529    | 13992   | 0.30%   | 0.143%  |
| 179 | 12.512 | 12.470 | 12.550 | VV | 1272   | 31557   | 0.68%   | 0.321%  |
| 180 | 12.576 | 12.550 | 12.618 | VV | 465    | 12657   | 0.27%   | 0.129%  |
| 181 | 12.624 | 12.618 | 12.650 | VV | 264    | 3934    | 0.08%   | 0.040%  |
| 182 | 12.670 | 12.650 | 12.684 | VV | 324    | 5264    | 0.11%   | 0.054%  |
| 183 | 12.707 | 12.684 | 12.723 | VV | 454    | 8482    | 0.18%   | 0.086%  |
| 184 | 12.745 | 12.723 | 12.758 | VV | 621    | 10359   | 0.22%   | 0.106%  |
| 185 | 12.797 | 12.758 | 12.843 | VV | 2967   | 49586   | 1.06%   | 0.505%  |
| 186 | 12.874 | 12.843 | 12.905 | VV | 1590   | 22865   | 0.49%   | 0.233%  |
| 187 | 12.935 | 12.905 | 12.985 | VV | 2471   | 35665   | 0.76%   | 0.363%  |
| 188 | 13.007 | 12.985 | 13.039 | VV | 280    | 6429    | 0.14%   | 0.065%  |
| 189 | 13.053 | 13.039 | 13.164 | VV | 311    | 8109    | 0.17%   | 0.083%  |
| 190 | 13.220 | 13.164 | 13.248 | PV | 314    | 10258   | 0.22%   | 0.104%  |
| 191 | 13.262 | 13.248 | 13.280 | VV | 274    | 3511    | 0.08%   | 0.036%  |
| 192 | 13.311 | 13.280 | 13.325 | VV | 313    | 6192    | 0.13%   | 0.063%  |
| 193 | 13.384 | 13.325 | 13.420 | VV | 394888 | 4673300 | 100.00% | 47.596% |
| 194 | 13.441 | 13.420 | 13.505 | VV | 576    | 18088   | 0.39%   | 0.184%  |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 195 | 13.550 | 13.505 | 13.583 | VV | 948    | 24997 | 0.53% | 0.255% |
| 196 | 13.604 | 13.583 | 13.645 | VV | 715    | 16695 | 0.36% | 0.170% |
| 197 | 13.670 | 13.645 | 13.698 | VV | 377    | 9610  | 0.21% | 0.098% |
| 198 | 13.761 | 13.698 | 13.795 | VV | 587    | 22717 | 0.49% | 0.231% |
| 199 | 13.829 | 13.795 | 13.868 | VV | 737    | 23226 | 0.50% | 0.237% |
| 200 | 13.894 | 13.868 | 13.911 | VV | 336    | 6842  | 0.15% | 0.070% |
| 201 | 13.932 | 13.911 | 13.965 | VV | 357    | 9209  | 0.20% | 0.094% |
| 202 | 13.990 | 13.965 | 14.031 | VV | 444    | 13780 | 0.29% | 0.140% |
| 203 | 14.087 | 14.031 | 14.111 | VV | 1642   | 30384 | 0.65% | 0.309% |
| 204 | 14.139 | 14.111 | 14.195 | VV | 2121   | 34445 | 0.74% | 0.351% |
| 205 | 14.197 | 14.195 | 14.226 | VV | 245    | 3346  | 0.07% | 0.034% |
| 206 | 14.279 | 14.226 | 14.311 | VV | 180    | 7753  | 0.17% | 0.079% |
| 207 | 14.357 | 14.311 | 14.421 | VV | 336    | 15600 | 0.33% | 0.159% |
| 208 | 14.436 | 14.421 | 14.451 | VV | 318    | 4769  | 0.10% | 0.049% |
| 209 | 14.471 | 14.451 | 14.514 | VV | 321    | 10244 | 0.22% | 0.104% |
| 210 | 14.527 | 14.514 | 14.538 | VV | 303    | 3782  | 0.08% | 0.039% |
| 211 | 14.576 | 14.538 | 14.618 | VV | 1858   | 35216 | 0.75% | 0.359% |
| 212 | 14.629 | 14.618 | 14.651 | VV | 413    | 7321  | 0.16% | 0.075% |
| 213 | 14.671 | 14.651 | 14.680 | VV | 398    | 6430  | 0.14% | 0.065% |
| 214 | 14.703 | 14.680 | 14.744 | VV | 1026   | 20457 | 0.44% | 0.208% |
| 215 | 14.768 | 14.744 | 14.781 | VV | 375    | 7508  | 0.16% | 0.076% |
| 216 | 14.801 | 14.781 | 14.821 | VV | 457    | 9992  | 0.21% | 0.102% |
| 217 | 14.853 | 14.821 | 14.891 | VV | 521    | 19615 | 0.42% | 0.200% |
| 218 | 14.899 | 14.891 | 14.928 | VV | 469    | 9053  | 0.19% | 0.092% |
| 219 | 14.959 | 14.928 | 14.979 | VV | 459    | 11598 | 0.25% | 0.118% |
| 220 | 15.022 | 14.979 | 15.040 | VV | 630    | 17792 | 0.38% | 0.181% |
| 221 | 15.054 | 15.040 | 15.088 | VV | 529    | 11603 | 0.25% | 0.118% |
| 222 | 15.099 | 15.088 | 15.117 | VV | 305    | 4859  | 0.10% | 0.049% |
| 223 | 15.202 | 15.117 | 15.222 | VV | 1161   | 28355 | 0.61% | 0.289% |
| 224 | 15.245 | 15.222 | 15.274 | VV | 2055   | 32033 | 0.69% | 0.326% |
| 225 | 15.287 | 15.274 | 15.341 | VV | 392    | 10221 | 0.22% | 0.104% |
| 226 | 15.366 | 15.341 | 15.393 | VV | 186    | 3505  | 0.08% | 0.036% |
| 227 | 15.418 | 15.393 | 15.508 | VV | 499    | 15215 | 0.33% | 0.155% |
| 228 | 15.515 | 15.508 | 15.598 | VV | 195    | 7080  | 0.15% | 0.072% |
| 229 | 15.674 | 15.598 | 15.717 | VV | 328    | 12545 | 0.27% | 0.128% |
| 230 | 15.769 | 15.717 | 15.803 | VV | 1599   | 28754 | 0.62% | 0.293% |
| 231 | 15.813 | 15.803 | 15.841 | VV | 209    | 3894  | 0.08% | 0.040% |
| 232 | 15.902 | 15.841 | 15.928 | VV | 253    | 8733  | 0.19% | 0.089% |
| 233 | 15.964 | 15.928 | 16.022 | VV | 281    | 12384 | 0.26% | 0.126% |
| 234 | 16.086 | 16.022 | 16.102 | VV | 434    | 14149 | 0.30% | 0.144% |
| 235 | 16.127 | 16.102 | 16.202 | VV | 387    | 14613 | 0.31% | 0.149% |
| 236 | 16.231 | 16.202 | 16.248 | VV | 660    | 10223 | 0.22% | 0.104% |
| 237 | 16.270 | 16.248 | 16.318 | VV | 2047   | 31621 | 0.68% | 0.322% |
| 238 | 16.322 | 16.318 | 16.365 | VV | 242    | 3567  | 0.08% | 0.036% |
| 239 | 16.373 | 16.365 | 16.390 | VV | 79     | 808   | 0.02% | 0.008% |
| 240 | 16.417 | 16.390 | 16.431 | PV | 115    | 1796  | 0.04% | 0.018% |
| 241 | 16.449 | 16.431 | 16.465 | VV | 148    | 2160  | 0.05% | 0.022% |
| 242 | 16.473 | 16.465 | 16.533 | VV | 138    | 2066  | 0.04% | 0.021% |
| 243 | 16.585 | 16.533 | 16.678 | VV | 342    | 9747  | 0.21% | 0.099% |
| 244 | 16.718 | 16.678 | 16.731 | VV | 163    | 3543  | 0.08% | 0.036% |
| 245 | 16.755 | 16.731 | 16.784 | VV | 1915   | 26586 | 0.57% | 0.271% |
| 246 | 16.802 | 16.784 | 16.822 | VV | 219    | 3877  | 0.08% | 0.039% |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 247 | 16.839 | 16.822 | 16.861 | VV | 156    | 3151  | 0.07% | 0.032% |
| 248 | 16.877 | 16.861 | 16.888 | VV | 146    | 2082  | 0.04% | 0.021% |
| 249 | 16.915 | 16.888 | 16.965 | VV | 258    | 9361  | 0.20% | 0.095% |
| 250 | 16.986 | 16.965 | 17.018 | VV | 222    | 5526  | 0.12% | 0.056% |
| 251 | 17.061 | 17.018 | 17.083 | VV | 290    | 7708  | 0.16% | 0.079% |
| 252 | 17.117 | 17.083 | 17.131 | VV | 330    | 7185  | 0.15% | 0.073% |
| 253 | 17.144 | 17.131 | 17.163 | VV | 312    | 4860  | 0.10% | 0.049% |
| 254 | 17.190 | 17.163 | 17.200 | VV | 599    | 8266  | 0.18% | 0.084% |
| 255 | 17.224 | 17.200 | 17.259 | VV | 1939   | 29241 | 0.63% | 0.298% |
| 256 | 17.270 | 17.259 | 17.295 | VV | 290    | 3664  | 0.08% | 0.037% |
| 257 | 17.338 | 17.295 | 17.418 | VV | 124    | 6289  | 0.13% | 0.064% |
| 258 | 17.431 | 17.418 | 17.460 | VV | 107    | 1382  | 0.03% | 0.014% |
| 259 | 17.515 | 17.460 | 17.540 | PV | 145    | 3502  | 0.07% | 0.036% |
| 260 | 17.557 | 17.540 | 17.573 | VV | 124    | 1829  | 0.04% | 0.019% |
| 261 | 17.589 | 17.573 | 17.620 | VV | 189    | 2539  | 0.05% | 0.026% |
| 262 | 17.675 | 17.620 | 17.738 | VV | 2814   | 42468 | 0.91% | 0.433% |
| 263 | 17.770 | 17.738 | 17.805 | VV | 177    | 4735  | 0.10% | 0.048% |
| 264 | 17.820 | 17.805 | 17.842 | VV | 152    | 2740  | 0.06% | 0.028% |
| 265 | 17.849 | 17.842 | 17.855 | VV | 134    | 781   | 0.02% | 0.008% |
| 266 | 17.957 | 17.855 | 18.008 | VV | 207    | 13138 | 0.28% | 0.134% |
| 267 | 18.029 | 18.008 | 18.038 | VV | 130    | 2013  | 0.04% | 0.021% |
| 268 | 18.112 | 18.038 | 18.149 | VV | 1959   | 37159 | 0.80% | 0.378% |
| 269 | 18.156 | 18.149 | 18.208 | VV | 147    | 3565  | 0.08% | 0.036% |
| 270 | 18.284 | 18.208 | 18.302 | VV | 203    | 8604  | 0.18% | 0.088% |
| 271 | 18.310 | 18.302 | 18.338 | VV | 85     | 1363  | 0.03% | 0.014% |
| 272 | 18.350 | 18.338 | 18.365 | VV | 69     | 751   | 0.02% | 0.008% |
| 273 | 18.432 | 18.365 | 18.465 | PV | 233    | 7385  | 0.16% | 0.075% |
| 274 | 18.538 | 18.465 | 18.582 | VV | 2581   | 41224 | 0.88% | 0.420% |
| 275 | 18.623 | 18.582 | 18.630 | PV | 102    | 1463  | 0.03% | 0.015% |
| 276 | 18.639 | 18.630 | 18.664 | VV | 129    | 1662  | 0.04% | 0.017% |
| 277 | 18.677 | 18.664 | 18.691 | VV | 90     | 1084  | 0.02% | 0.011% |
| 278 | 18.803 | 18.691 | 18.812 | VV | 240    | 8223  | 0.18% | 0.084% |
| 279 | 18.818 | 18.812 | 18.828 | VV | 216    | 1550  | 0.03% | 0.016% |
| 280 | 18.844 | 18.828 | 18.871 | VV | 174    | 2795  | 0.06% | 0.028% |
| 281 | 18.948 | 18.871 | 19.017 | VV | 1777   | 34838 | 0.75% | 0.355% |
| 282 | 19.029 | 19.017 | 19.047 | VV | 84     | 1281  | 0.03% | 0.013% |
| 283 | 19.106 | 19.047 | 19.135 | PV | 148    | 4973  | 0.11% | 0.051% |
| 284 | 19.151 | 19.135 | 19.165 | VV | 89     | 1175  | 0.03% | 0.012% |
| 285 | 19.183 | 19.165 | 19.195 | VV | 76     | 1070  | 0.02% | 0.011% |
| 286 | 19.214 | 19.195 | 19.228 | VV | 76     | 1100  | 0.02% | 0.011% |
| 287 | 19.261 | 19.228 | 19.278 | PV | 133    | 2100  | 0.04% | 0.021% |
| 288 | 19.302 | 19.278 | 19.321 | VV | 252    | 3841  | 0.08% | 0.039% |
| 289 | 19.347 | 19.321 | 19.405 | VV | 1328   | 21067 | 0.45% | 0.215% |
| 290 | 19.479 | 19.405 | 19.487 | PV | 108    | 2959  | 0.06% | 0.030% |
| 291 | 19.540 | 19.487 | 19.564 | VV | 189    | 5054  | 0.11% | 0.051% |
| 292 | 19.592 | 19.564 | 19.625 | VV | 165    | 3500  | 0.07% | 0.036% |
| 293 | 19.733 | 19.625 | 19.766 | VV | 1479   | 32125 | 0.69% | 0.327% |
| 294 | 19.781 | 19.766 | 19.799 | VV | 213    | 3317  | 0.07% | 0.034% |
| 295 | 19.938 | 19.799 | 19.953 | VV | 258    | 15337 | 0.33% | 0.156% |
| 296 | 19.988 | 19.953 | 20.004 | VV | 358    | 8214  | 0.18% | 0.084% |
| 297 | 20.027 | 20.004 | 20.056 | VV | 314    | 7852  | 0.17% | 0.080% |
| 298 | 20.109 | 20.056 | 20.141 | VV | 945    | 22388 | 0.48% | 0.228% |
| 299 | 20.225 | 20.141 | 20.244 | VV | 437    | 21855 | 0.47% | 0.223% |

|                         |        |        |        |    | rterres |        |       |        |
|-------------------------|--------|--------|--------|----|---------|--------|-------|--------|
| 300                     | 20.295 | 20.244 | 20.315 | VV | 589     | 19970  | 0.43% | 0.203% |
| 301                     | 20.381 | 20.315 | 20.405 | VV | 860     | 33918  | 0.73% | 0.345% |
| 302                     | 20.414 | 20.405 | 20.423 | VV | 597     | 6460   | 0.14% | 0.066% |
| 303                     | 20.475 | 20.423 | 20.505 | VV | 1962    | 51480  | 1.10% | 0.524% |
| 304                     | 20.531 | 20.505 | 20.549 | VV | 866     | 21543  | 0.46% | 0.219% |
| 305                     | 20.637 | 20.549 | 20.667 | VV | 1036    | 62248  | 1.33% | 0.634% |
| 306                     | 20.739 | 20.667 | 20.772 | VV | 1146    | 66959  | 1.43% | 0.682% |
| 307                     | 20.789 | 20.772 | 20.798 | VV | 1082    | 16506  | 0.35% | 0.168% |
| 308                     | 20.835 | 20.798 | 20.873 | VV | 1545    | 55013  | 1.18% | 0.560% |
| 309                     | 21.023 | 20.873 | 21.052 | VV | 1566    | 137227 | 2.94% | 1.398% |
| 310                     | 21.141 | 21.052 | 21.153 | VV | 1285    | 77947  | 1.67% | 0.794% |
| 311                     | 21.166 | 21.153 | 21.173 | VV | 1281    | 15042  | 0.32% | 0.153% |
| 312                     | 21.225 | 21.173 | 21.275 | VV | 2198    | 94792  | 2.03% | 0.965% |
| 313                     | 21.339 | 21.275 | 21.349 | VV | 1220    | 54138  | 1.16% | 0.551% |
| 314                     | 21.360 | 21.349 | 21.428 | VV | 1225    | 53624  | 1.15% | 0.546% |
| 315                     | 21.435 | 21.428 | 21.516 | VV | 1128    | 53577  | 1.15% | 0.546% |
| 316                     | 21.552 | 21.516 | 21.627 | VV | 955     | 57322  | 1.23% | 0.584% |
| 317                     | 21.659 | 21.627 | 21.711 | VV | 1013    | 41266  | 0.88% | 0.420% |
| 318                     | 21.719 | 21.711 | 21.775 | VV | 669     | 23457  | 0.50% | 0.239% |
| 319                     | 21.842 | 21.775 | 21.868 | VV | 572     | 29711  | 0.64% | 0.303% |
| 320                     | 21.880 | 21.868 | 21.887 | VV | 519     | 5463   | 0.12% | 0.056% |
| 321                     | 21.896 | 21.887 | 21.920 | VV | 468     | 8652   | 0.19% | 0.088% |
| 322                     | 21.939 | 21.920 | 21.959 | VV | 459     | 9652   | 0.21% | 0.098% |
| 323                     | 21.978 | 21.959 | 22.031 | VV | 431     | 15750  | 0.34% | 0.160% |
| 324                     | 22.038 | 22.031 | 22.049 | VV | 374     | 3564   | 0.08% | 0.036% |
| 325                     | 22.056 | 22.049 | 22.082 | VV | 337     | 6064   | 0.13% | 0.062% |
| 326                     | 22.161 | 22.082 | 22.283 | VV | 967     | 44441  | 0.95% | 0.453% |
| 327                     | 22.359 | 22.283 | 22.371 | VV | 130     | 6444   | 0.14% | 0.066% |
| 328                     | 22.381 | 22.371 | 22.391 | VV | 116     | 1107   | 0.02% | 0.011% |
| 329                     | 22.402 | 22.391 | 22.421 | VV | 86      | 1013   | 0.02% | 0.010% |
| Sum of corrected areas: |        |        |        |    | 9818682 |        |       |        |

Aliphatic EPH 011425.M Wed Jan 29 03:47:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068139.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 19:20  
Operator : YP/AJ  
Sample : Q1194-08  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
EB

Integration File: autoint1.e  
Quant Time: Jan 29 00:45:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 12.867 | 3706435  | 32.229 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 64.46%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

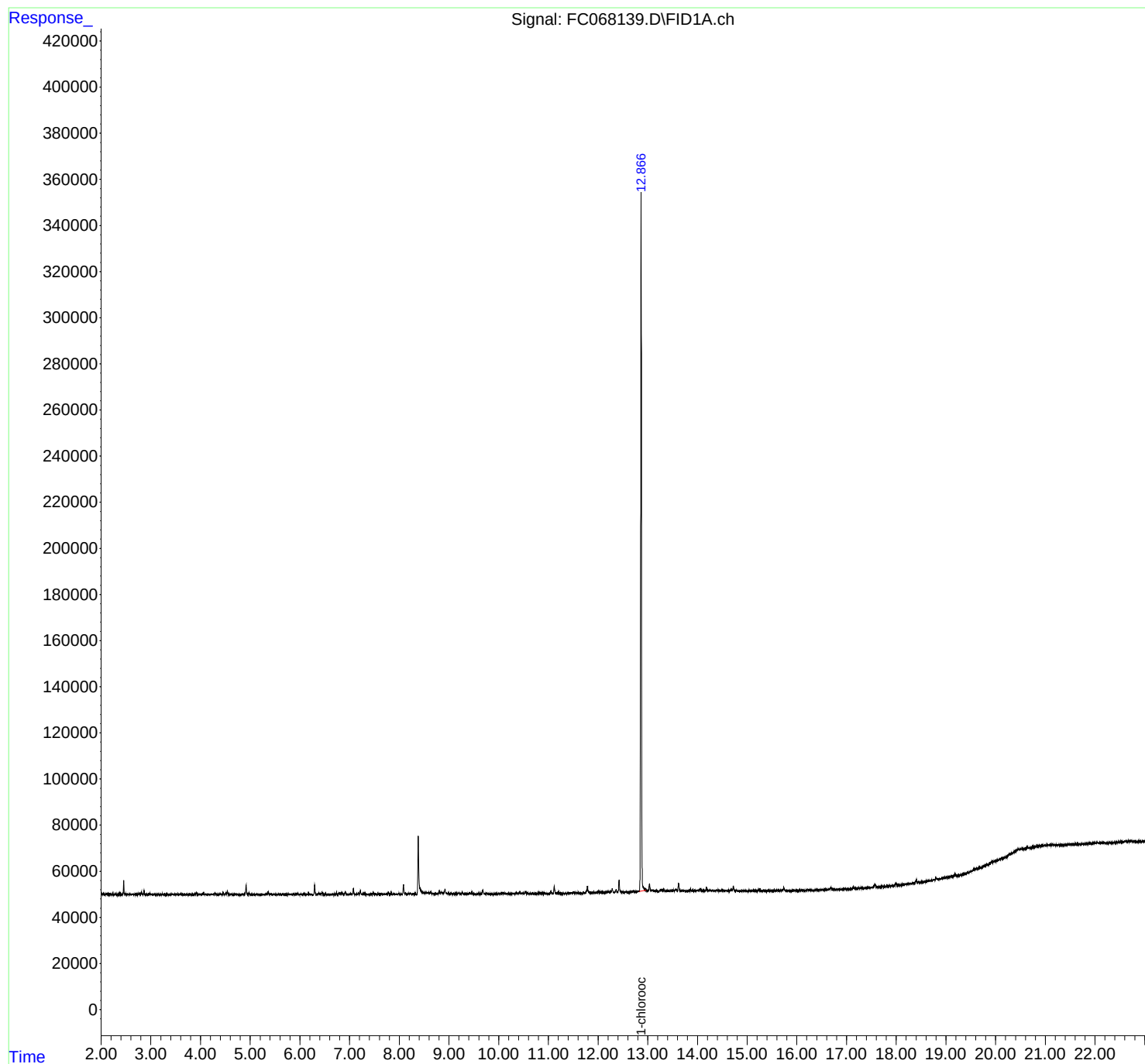
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068139.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 19:20  
Operator : YP/AJ  
Sample : Q1194-08  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

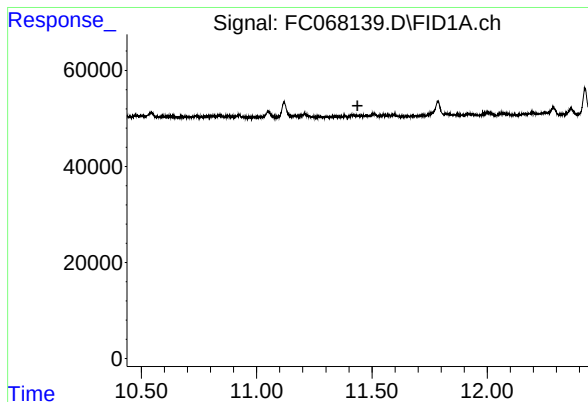
Instrument :  
FID\_C  
ClientSampleId :  
EB

Integration File: autoint1.e  
Quant Time: Jan 29 00:45:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



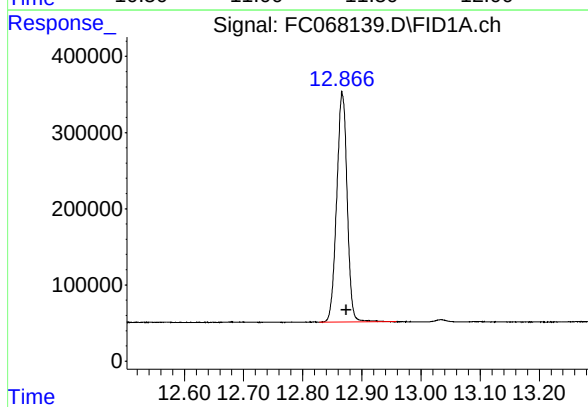




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.437 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_C  
ClientSampleId :  
EB



#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min  
Delta R.T.: -0.007 min  
Response: 3706435  
Conc: 32.23 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068139.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 19:20  
 Sample : Q1194-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.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                       | 8.382       | 8.341        | 8.468      | BB       | 25039          | 340191       | 9.18%          | 8.407%        |
| 2                       | 12.867      | 12.828       | 12.958     | BB       | 299543         | 3706435      | 100.00%        | 91.593%       |
| Sum of corrected areas: |             |              |            |          |                |              | 4046626        |               |

Aliphatic EPH 012425.M Wed Jan 29 02:08:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048973.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 19:20  
 Operator : YP/AJ  
 Sample : Q1194-08  
 Misc :  
 ALS Vial : 67 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 EB

Integration File: autoint1.e  
 Quant Time: Jan 29 02:12:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:38:15 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.357  | 7373549    | 51.809 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 103.62%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.208  | 4290320    | 50.422 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 100.84%      |
| 11) S ortho-Terphenyl (SURR)       | 11.243 | 7981634    | 48.535 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 97.07%       |

Target Compounds

(f)=RT Delta > 1/2 Window

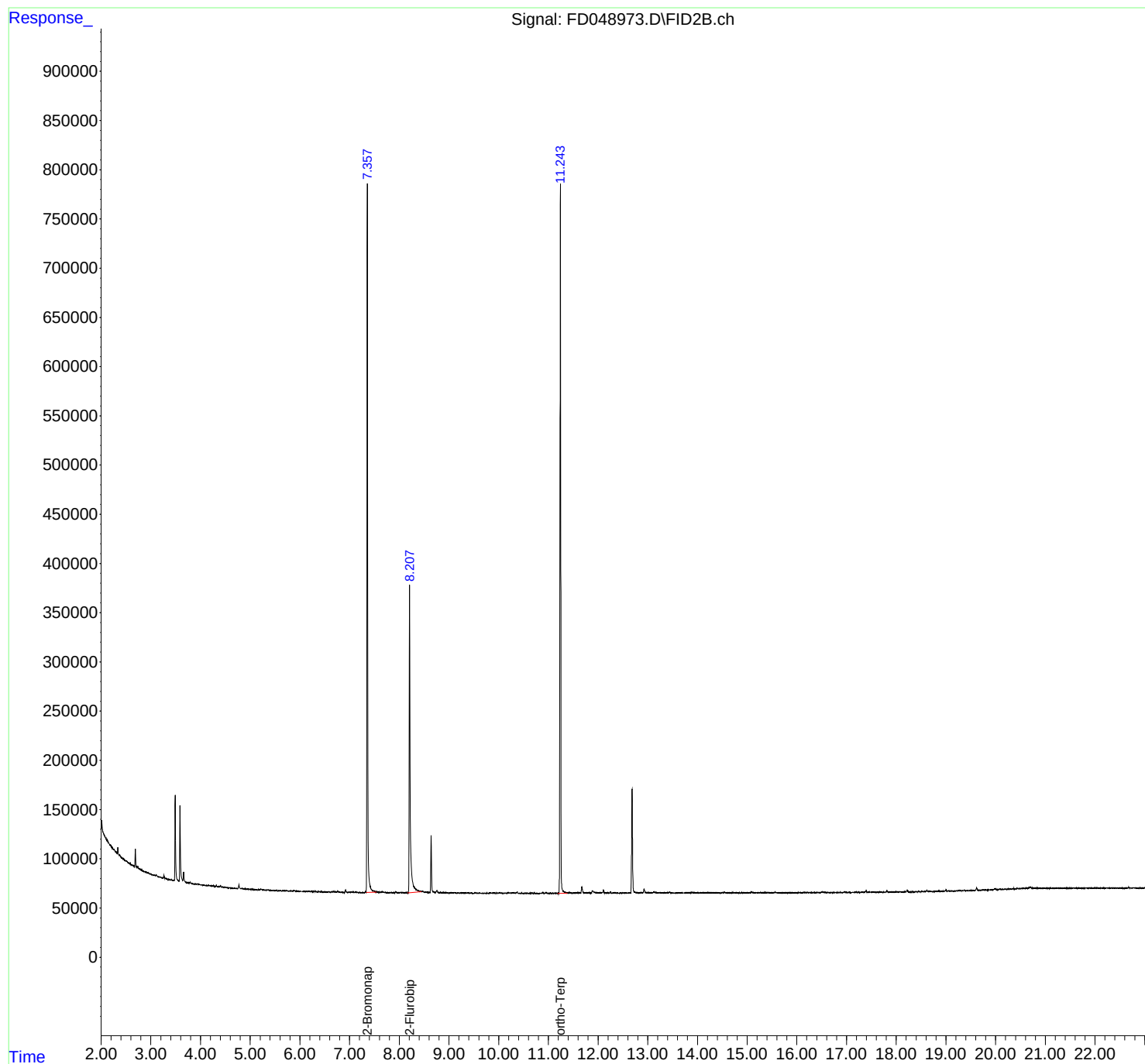
(m)=manual int.

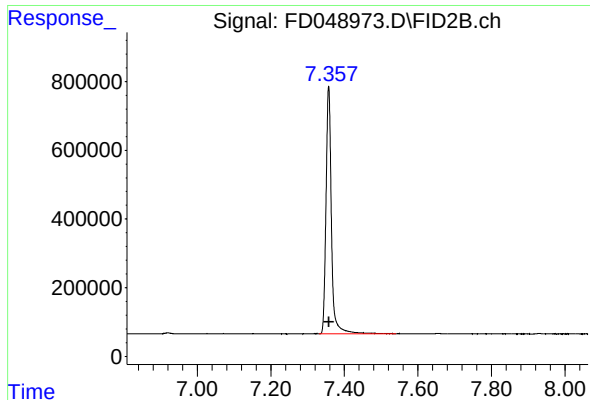
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
Data File : FD048973.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 19:20  
Operator : YP/AJ  
Sample : Q1194-08  
Misc :  
ALS Vial : 67 Sample Multiplier: 1

Instrument :  
FID\_D  
ClientSampleId :  
EB

Integration File: autoint1.e  
Quant Time: Jan 29 02:12:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:38:15 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

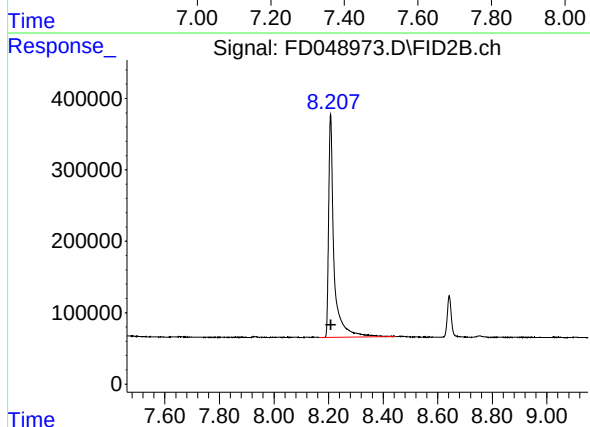




## #4 2-Bromonaphthalene (SURR)

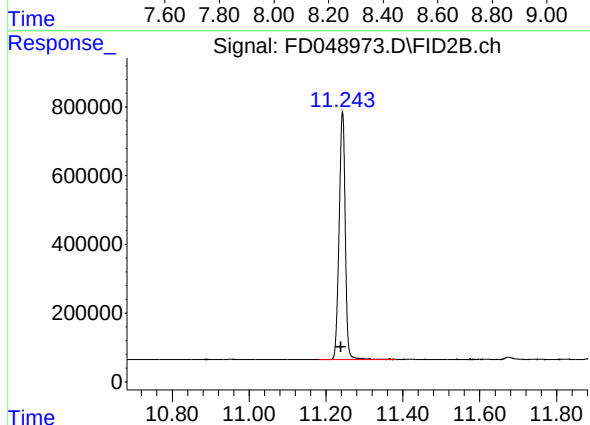
R.T.: 7.357 min  
Delta R.T.: 0.000 min  
Response: 7373549  
Conc: 51.81 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
EB



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min  
Delta R.T.: -0.002 min  
Response: 4290320  
Conc: 50.42 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.243 min  
Delta R.T.: 0.004 min  
Response: 7981634  
Conc: 48.53 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048973.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 19:20  
 Sample : Q1194-08  
 Misc :  
 ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Title : GC Extractables

Signal : FID2B.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                       | 3.490       | 3.435        | 3.572      | BV       | 86891          | 805833       | 10.10%         | 3.438%        |
| 2                       | 3.587       | 3.572        | 3.643      | VV       | 77242          | 766677       | 9.61%          | 3.271%        |
| 3                       | 3.660       | 3.643        | 3.745      | VB       | 10451          | 127074       | 1.59%          | 0.542%        |
| 4                       | 4.773       | 4.727        | 4.812      | BV       | 3746           | 44341        | 0.56%          | 0.189%        |
| 5                       | 7.357       | 7.331        | 7.540      | VV       | 720844         | 7373549      | 92.38%         | 31.463%       |
| 6                       | 8.208       | 8.165        | 8.447      | BB       | 312760         | 4290320      | 53.75%         | 18.307%       |
| 7                       | 8.642       | 8.585        | 8.724      | BB       | 58092          | 598880       | 7.50%          | 2.555%        |
| 8                       | 11.243      | 11.182       | 11.382     | BB       | 719666         | 7981634      | 100.00%        | 34.058%       |
| 9                       | 11.675      | 11.637       | 11.724     | BV       | 6390           | 93533        | 1.17%          | 0.399%        |
| 10                      | 12.684      | 12.610       | 12.784     | BB       | 105844         | 1300752      | 16.30%         | 5.550%        |
| 11                      | 12.925      | 12.875       | 12.960     | BV       | 3822           | 53080        | 0.67%          | 0.226%        |
| Sum of corrected areas: |             |              |            |          |                | 23435673     |                |               |

Aromatic EPH 012425.M Wed Jan 29 02:49:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015326.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 15:52  
 Operator : YP\AJ  
 Sample : PB166218BL  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

**Instrument :**

FID\_F

**ClientSampleId :**

PB166218BL

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:46:36 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

Qlast Update : Wed Jan 15 07:05:42 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.979  | 7299905    | 55.302 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 110.60%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.852  | 4549221    | 53.895 ug/mlm |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 107.79%       |
| 11) S ortho-Terphenyl (SURR)       | 11.923 | 7094985    | 41.216 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 82.43%        |

**Target Compounds**

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015326.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 15:52  
Operator : YP\AJ  
Sample : PB166218BL  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

PB166218BL

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:46:36 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

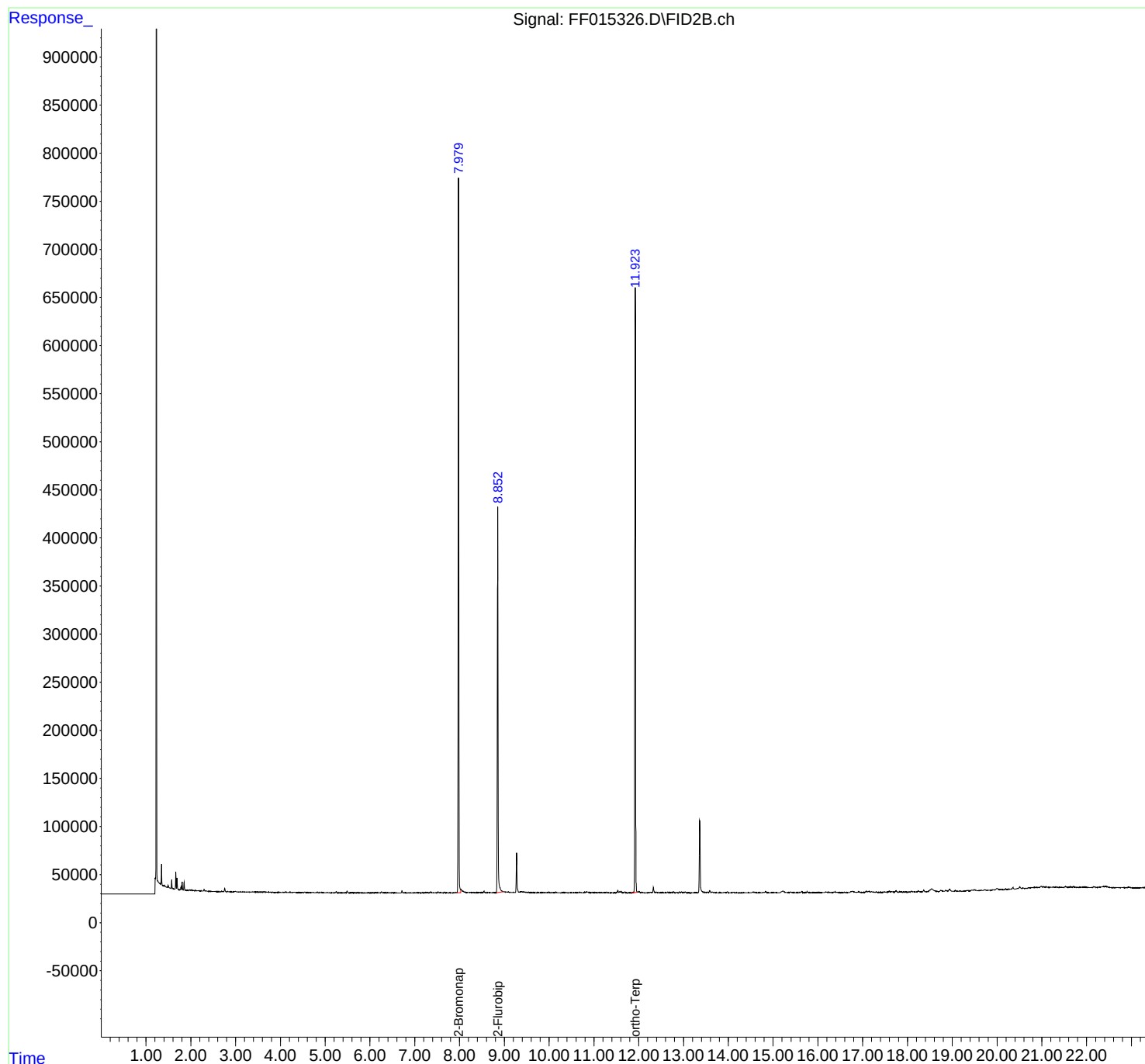
Response via : Initial Calibration

Integrator: ChemStation

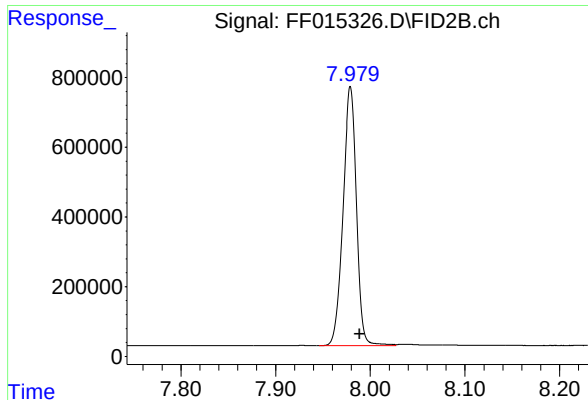
Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm







## #4 2-Bromonaphthalene (SURR)

R.T.: 7.979 min  
Delta R.T.: -0.010 min  
Response: 7299905  
Conc: 55.30 ug/ml

Instrument :

FID\_F

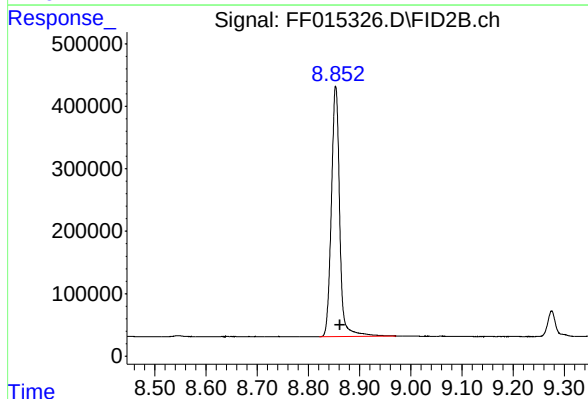
ClientSampleId :

PB166218BL

## Manual Integrations

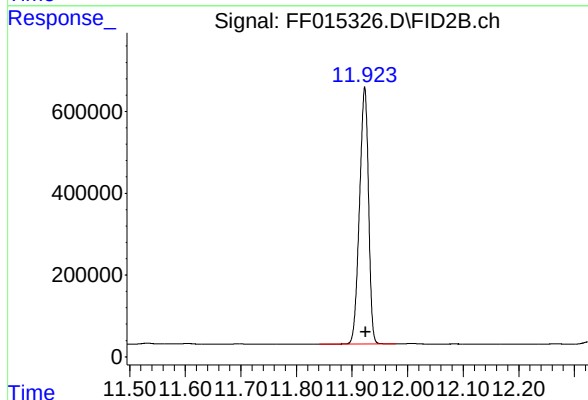
APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.852 min  
Delta R.T.: -0.009 min  
Response: 4549221  
Conc: 53.90 ug/ml m



## #11 ortho-Terphenyl (SURR)

R.T.: 11.923 min  
Delta R.T.: -0.002 min  
Response: 7094985  
Conc: 41.22 ug/ml

Instrument :

FID\_F

ClientSampleId :

PB166218BL

rteres

## Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF01282

Data File : FF015326.D

Signal(s) : FID2B.ch

Acq On : 28 Jan 2025 15:52

Sample : PB166218BL

Misc :

ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Title : GC Extractables

Signal : FID2B.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                       | 7.979       | 7.946        | 8.027      | PV       | 744026         | 7299905      | 100.00%        | 38.946%       |
| 2                       | 8.853       | 8.831        | 9.024      | BB       | 397372         | 4348903      | 59.57%         | 23.202%       |
| 3                       | 11.923      | 11.841       | 11.979     | BV       | 629337         | 7094985      | 97.19%         | 37.852%       |
| Sum of corrected areas: |             |              |            |          |                | 18743793     |                |               |

Aromatic EPH 011425.M Wed Jan 29 03:28:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015183.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 15:52  
Operator : YP\AJ  
Sample : PB166218BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB166218BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: autoint1.e  
Quant Time: Jan 29 02:34:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.387 | 4247483  | 34.883 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 69.77%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

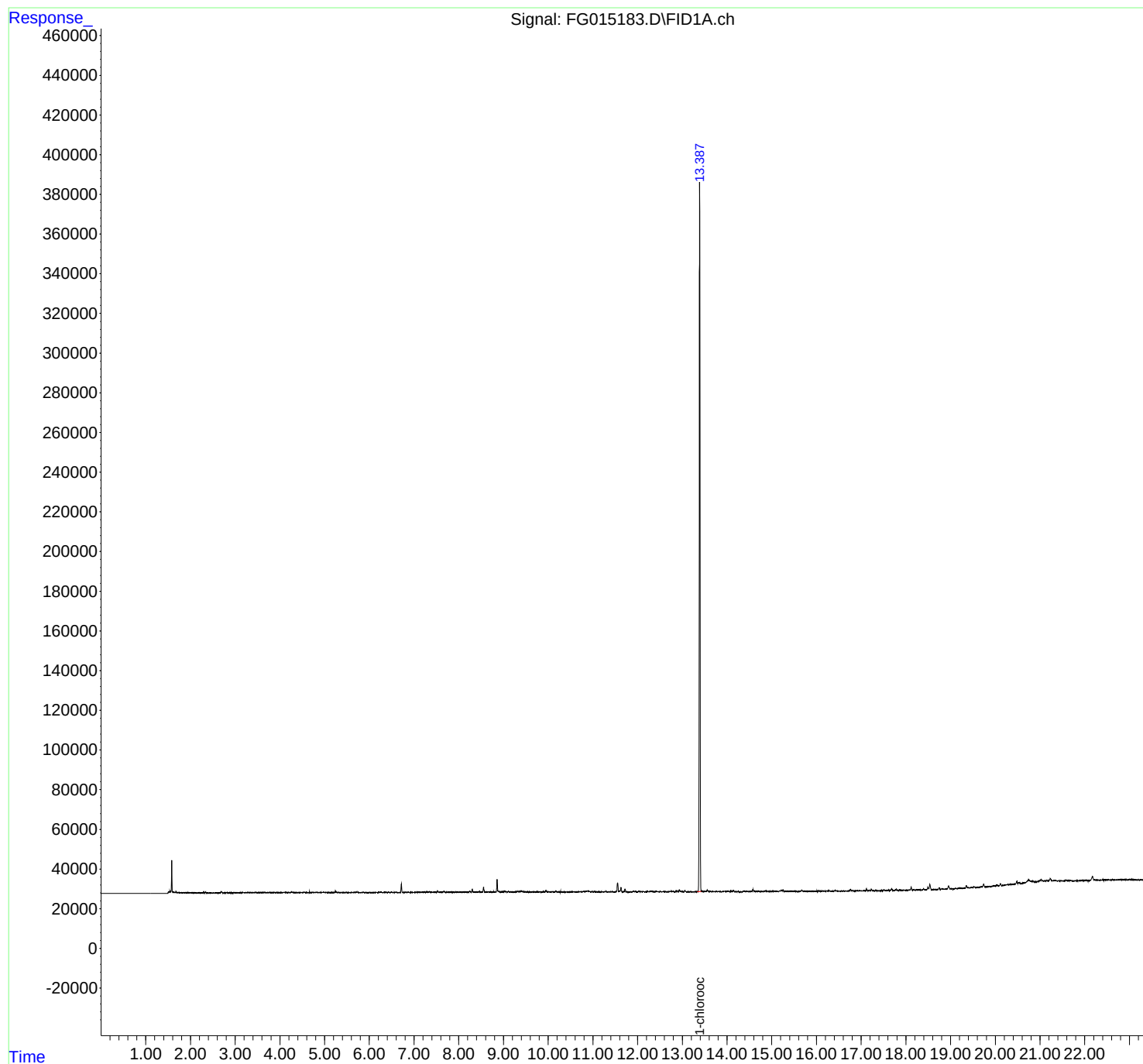
(m)=manual int.

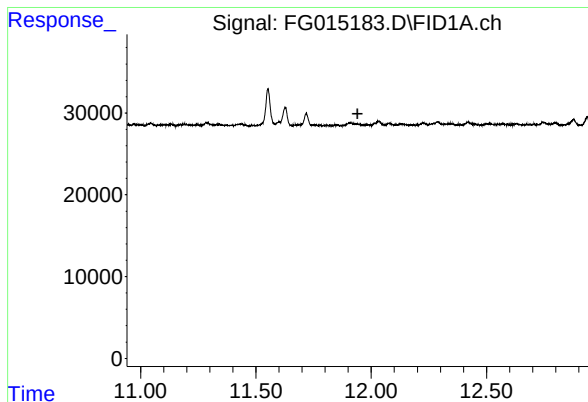
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015183.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 15:52  
Operator : YP\AJ  
Sample : PB166218BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB166218BL

Integration File: autoint1.e  
Quant Time: Jan 29 02:34:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

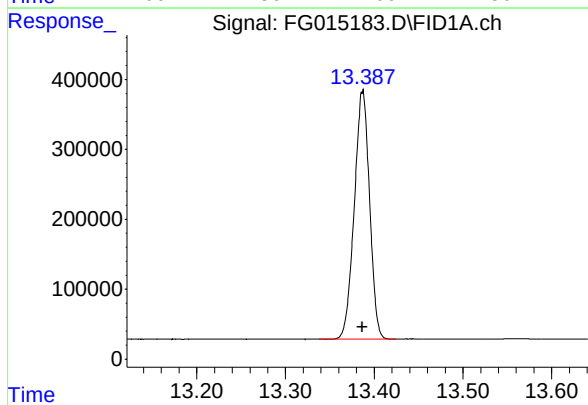




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.940 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
PB166218BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.387 min  
Delta R.T.: 0.000 min  
Response: 4247483  
Conc: 34.88 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015183.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 15:52  
 Sample : PB166218BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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                       | 13.387      | 13.338       | 13.425     | BB       | 353703         | 4247483      | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                | 4247483      |                |               |

Aliphatic EPH 011425.M Wed Jan 29 03:37:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068133.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 15:42  
Operator : YP/AJ  
Sample : PB166219BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB166219BL

Integration File: autoint1.e  
Quant Time: Jan 29 00:44:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
Qlast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 12.869 | 4180609  | 36.352 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 72.70%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

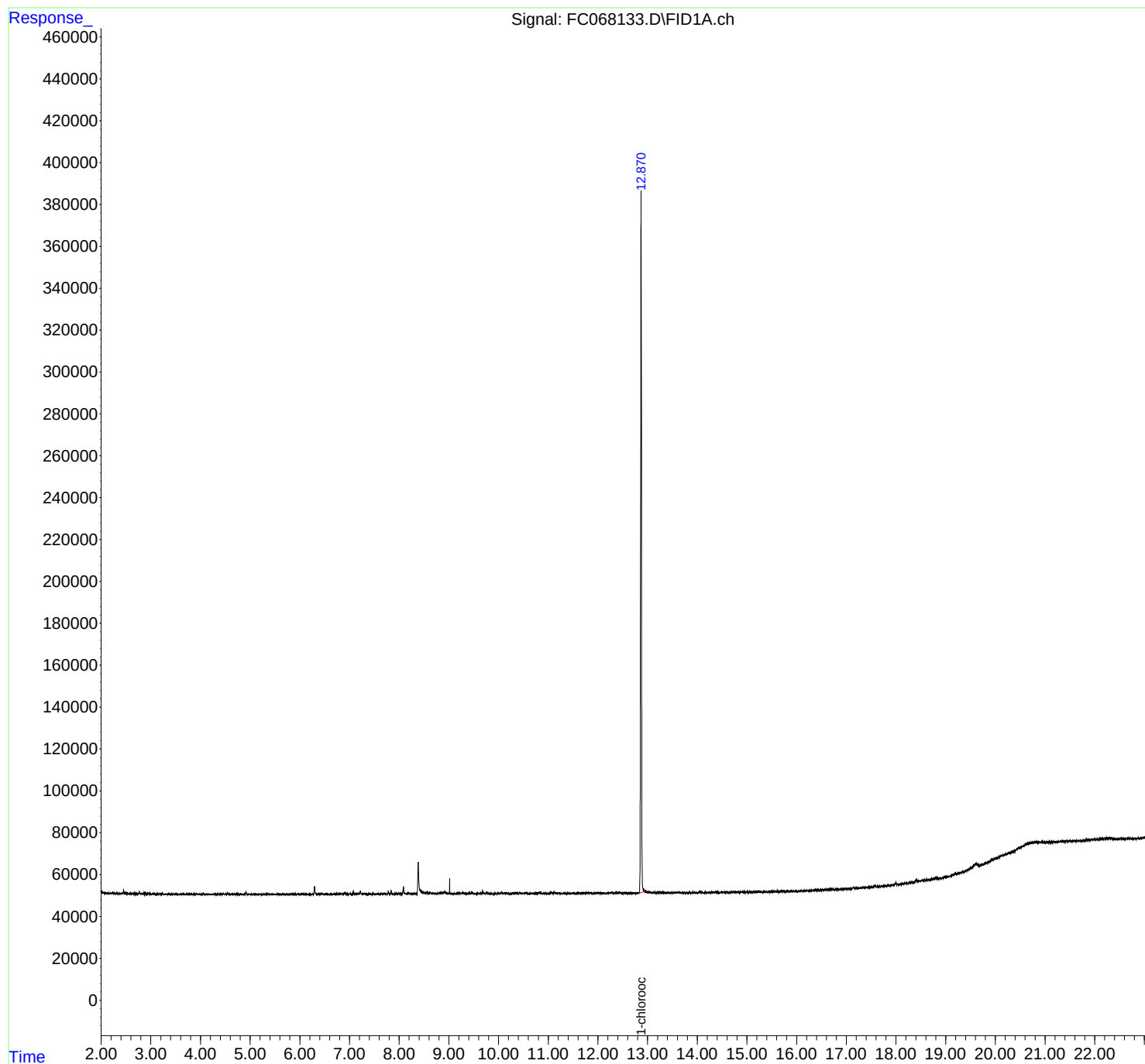
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068133.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 15:42  
Operator : YP/AJ  
Sample : PB166219BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

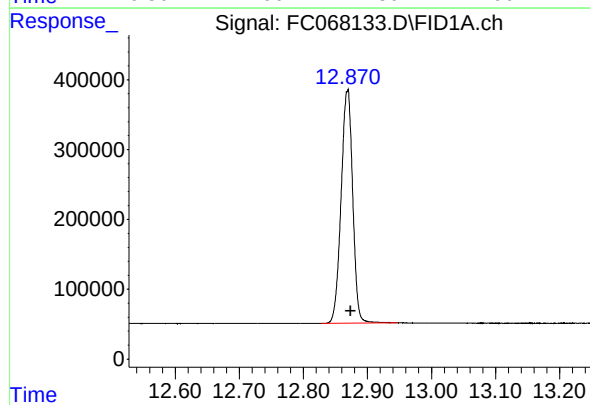
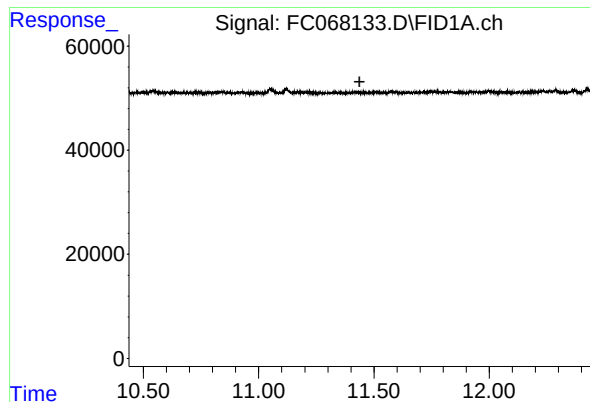
Instrument :  
FID\_C  
ClientSampleId :  
PB166219BL

Integration File: autoint1.e  
Quant Time: Jan 29 00:44:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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







rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068133.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 15:42  
 Sample : PB166219BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.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                       | 12.869      | 12.828       | 12.948     | BB       | 333310         | 4180609      | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                | 4180609      |                |               |

Aliphatic EPH 012425.M Wed Jan 29 02:06:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048967.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 15:42  
 Operator : YP/AJ  
 Sample : PB166219BL  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 PB166219BL

Integration File: autoint1.e  
 Quant Time: Jan 29 02:11:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:38:15 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.357  | 7600058    | 53.400 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 106.80%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.208  | 4575671    | 53.776 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 107.55%      |
| 11) S ortho-Terphenyl (SURR)       | 11.243 | 7420730    | 45.124 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 90.25%       |

Target Compounds

(f)=RT Delta > 1/2 Window

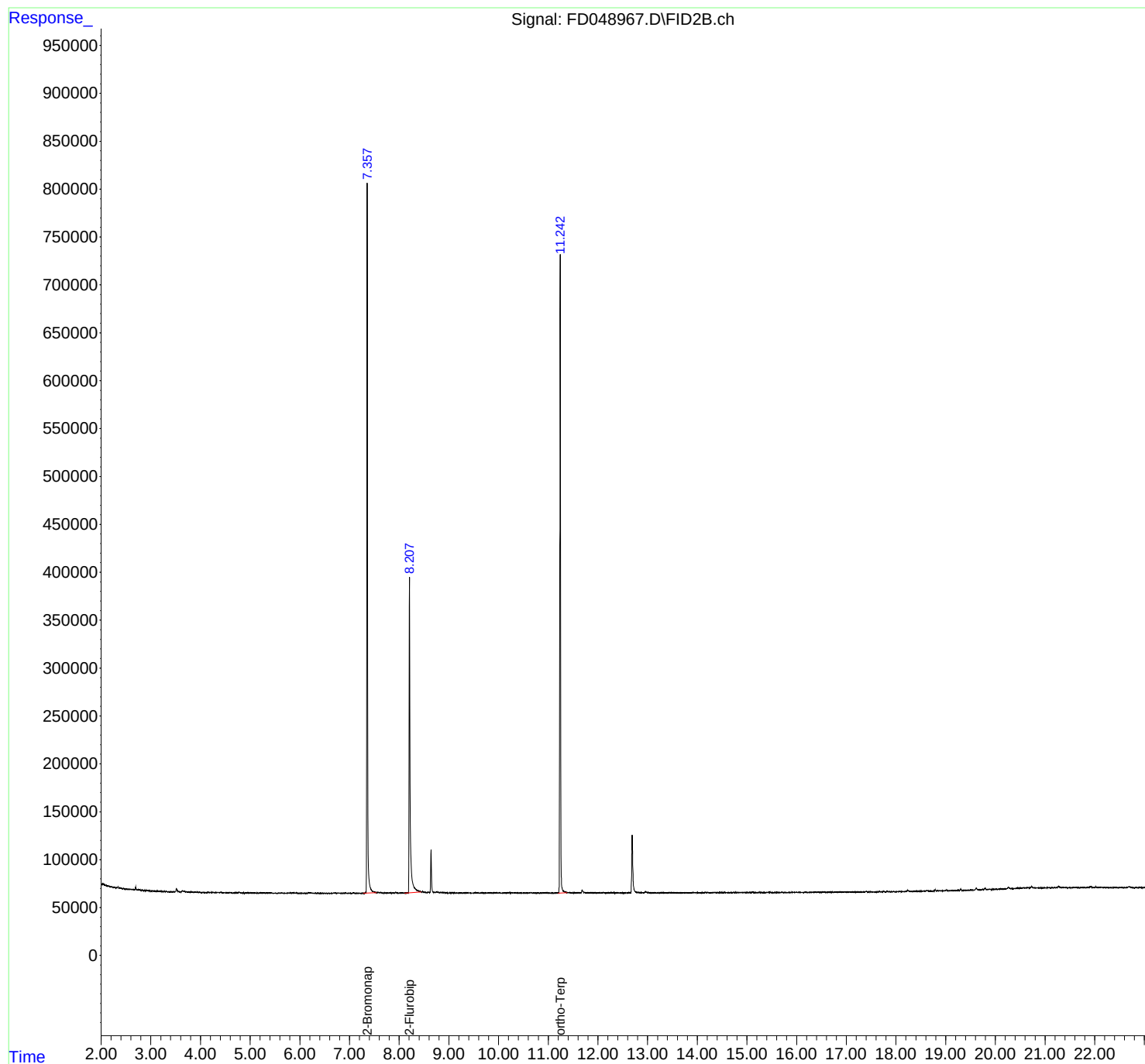
(m)=manual int.

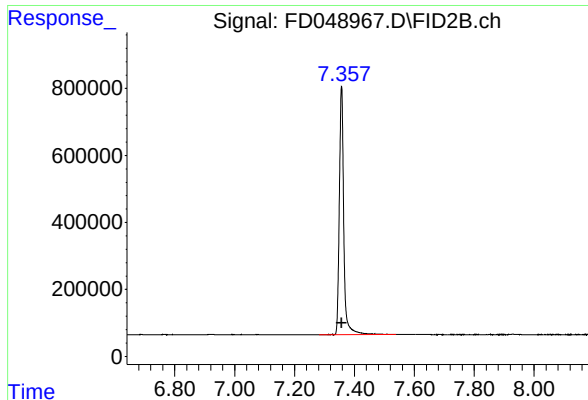
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
Data File : FD048967.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 15:42  
Operator : YP/AJ  
Sample : PB166219BL  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
FID\_D  
ClientSampleId :  
PB166219BL

Integration File: autoint1.e  
Quant Time: Jan 29 02:11:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:38:15 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

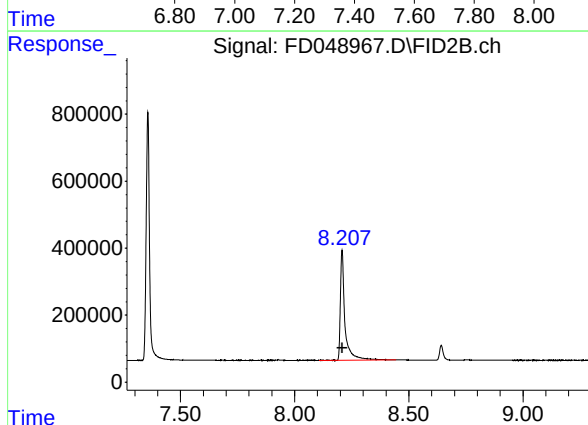




## #4 2-Bromonaphthalene (SURR)

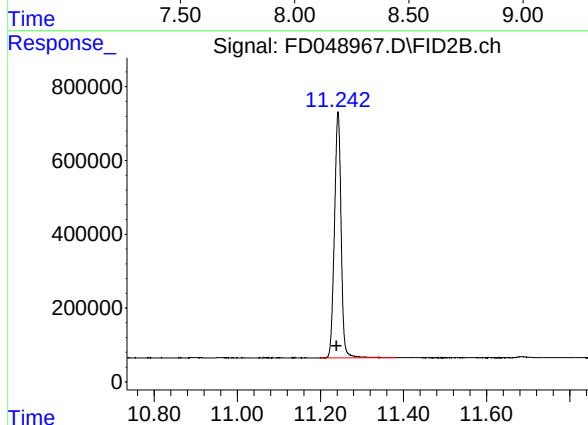
R.T.: 7.357 min  
Delta R.T.: 0.000 min  
Response: 760058  
Conc: 53.40 ug/ml

Instrument :  
FID\_D  
ClientSampleId :  
PB166219BL



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min  
Delta R.T.: -0.002 min  
Response: 4575671  
Conc: 53.78 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.243 min  
Delta R.T.: 0.003 min  
Response: 7420730  
Conc: 45.12 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
Data File : FD048967.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 15:42  
Sample : PB166219BL  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Title : GC Extractables

Signal : FID2B.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                       | 7.357       | 7.282        | 7.539      | BV       | 742293         | 7600058      | 100.00%        | 38.783%       |
| 2                       | 8.208       | 8.107        | 8.444      | BV       | 328833         | 4575671      | 60.21%         | 23.349%       |
| 3                       | 11.243      | 11.197       | 11.382     | BB       | 666759         | 7420730      | 97.64%         | 37.868%       |
| Sum of corrected areas: |             |              |            |          |                |              | 19596459       |               |

Aromatic EPH 012425.M Wed Jan 29 02:46:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015327.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:20  
 Operator : YP\AJ  
 Sample : PB166218BS  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

PB166218BS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:46:54 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

Qlast Update : Wed Jan 15 07:05:42 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.990  | 8139073    | 61.659 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 123.32%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.864  | 4588846    | 54.365 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 108.73%       |
| 11) S ortho-Terphenyl (SURR)       | 11.929 | 7969827    | 46.298 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 92.60%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.601  | 6293947    | 39.238 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.268  | 7646280    | 47.689 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.364  | 7570916    | 47.611 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.666  | 9013730    | 56.726 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.966  | 9409729    | 57.706 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.755  | 9729007    | 61.789 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.162 | 9681125    | 60.634 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.239 | 9657662    | 65.413 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.984 | 9770898    | 59.062 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.284 | 9659783    | 59.637 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.165 | 8901226    | 59.668 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.212 | 9851376    | 63.423 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.726 | 8756873    | 59.174 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.764 | 8792087    | 62.184 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.108 | 8341702    | 58.711 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.484 | 8902052    | 70.647 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.523 | 7907333    | 53.446 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.744 | 8570181    | 63.487 ug/ml  |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015327.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 16:20  
Operator : YP\AJ  
Sample : PB166218BS  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

PB166218BS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:46:54 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

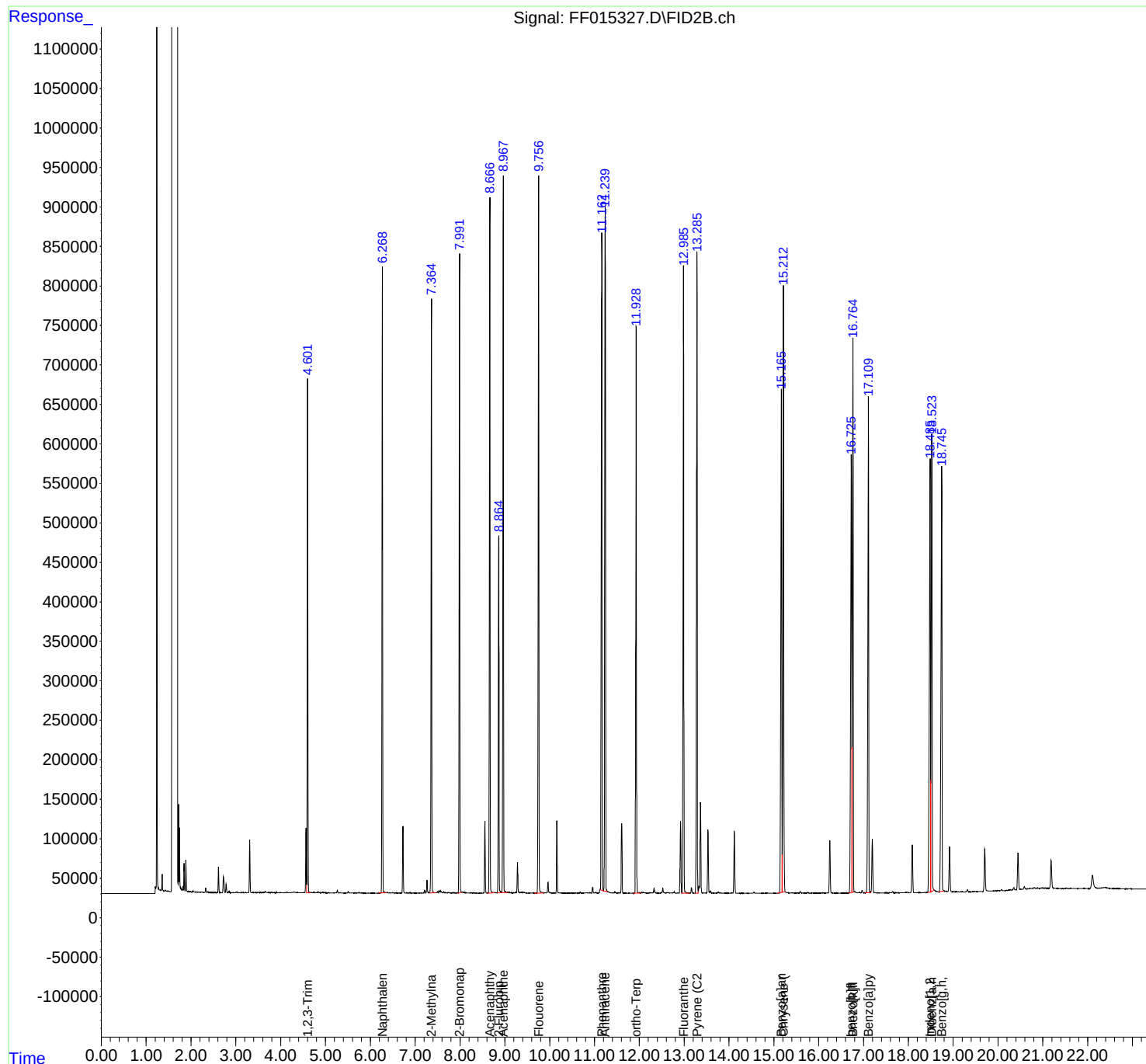
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





rteres

Instrument :

FID\_F

ClientSampleId :

PB166218BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF01282  
 Data File : FF015327.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:20  
 Sample : PB166218BS  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak #                  | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|-------------------------|----------|-----------|---------|-------|-------------|-----------|-------------|------------|
| 1                       | 4.601    | 4.580     | 4.670   | VV    | 649920      | 6293947   | 63.89%      | 3.515%     |
| 2                       | 6.268    | 6.175     | 6.355   | BV    | 794503      | 7646280   | 77.62%      | 4.270%     |
| 3                       | 7.364    | 7.320     | 7.464   | PB    | 752043      | 7570916   | 76.85%      | 4.228%     |
| 4                       | 7.990    | 7.957     | 8.039   | PV    | 809841      | 8139073   | 82.62%      | 4.545%     |
| 5                       | 8.666    | 8.602     | 8.775   | PV    | 878943      | 9013730   | 91.50%      | 5.034%     |
| 6                       | 8.864    | 8.830     | 8.932   | BV    | 452427      | 4588846   | 46.58%      | 2.563%     |
| 7                       | 8.966    | 8.932     | 9.085   | VB    | 913620      | 9409729   | 95.52%      | 5.255%     |
| 8                       | 9.755    | 9.649     | 9.869   | BV    | 907743      | 9729007   | 98.76%      | 5.433%     |
| 9                       | 11.162   | 11.120    | 11.201  | BV    | 830712      | 9681125   | 98.27%      | 5.406%     |
| 10                      | 11.239   | 11.201    | 11.300  | PBA   | 868306      | 9657662   | 98.03%      | 5.393%     |
| 11                      | 11.929   | 11.859    | 12.044  | BV    | 719519      | 7969827   | 80.90%      | 4.451%     |
| 12                      | 12.984   | 12.944    | 13.127  | VB    | 789143      | 9770898   | 99.18%      | 5.457%     |
| 13                      | 13.284   | 13.240    | 13.312  | BV    | 808415      | 9659783   | 98.06%      | 5.394%     |
| 14                      | 15.165   | 15.077    | 15.184  | BV    | 635509      | 8901226   | 90.36%      | 4.971%     |
| 15                      | 15.212   | 15.184    | 15.250  | VBA   | 769863      | 9851376   | 100.00%     | 5.501%     |
| 16                      | 16.726   | 16.660    | 16.742  | BV    | 554220      | 8756873   | 88.89%      | 4.890%     |
| 17                      | 16.763   | 16.742    | 16.790  | VBA   | 701444      | 8676329   | 88.07%      | 4.845%     |
| 18                      | 17.108   | 17.030    | 17.162  | BV    | 628999      | 8341702   | 84.68%      | 4.658%     |
| 19                      | 18.484   | 18.426    | 18.499  | PV    | 542757      | 8902052   | 90.36%      | 4.971%     |
| 20                      | 18.522   | 18.499    | 18.620  | VBA   | 573155      | 7937436   | 80.57%      | 4.433%     |
| 21                      | 18.744   | 18.680    | 18.800  | BBA   | 531199      | 8570181   | 86.99%      | 4.786%     |
| Sum of corrected areas: |          |           |         |       |             | 179067997 |             |            |

Aromatic EPH 011425.M Wed Jan 29 01:34:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015184.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:20  
 Operator : YP\AJ  
 Sample : PB166218BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 PB166218BS

Integration File: autoint1.e  
 Quant Time: Jan 29 02:34:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.386 | 5562109    | 45.680 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 91.36%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.281  | 3612920    | 27.827 ug/ml |
| 2) T n-Decane (C10)            | 4.540  | 4504308    | 33.895 ug/ml |
| 4) T n-Dodecane (C12)          | 6.720  | 5282180    | 38.856 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.559  | 6153130    | 44.742 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.175 | 6893159    | 47.573 ug/ml |
| 8) T n-Octadecane (C18)        | 11.625 | 7916527    | 53.264 ug/ml |
| 10) T n-Eicosane (C20)         | 12.941 | 8383911    | 58.410 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.555 | 8067621    | 57.058 ug/ml |
| 13) T n-Docosane (C22)         | 14.144 | 8038143    | 57.170 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.252 | 7894531    | 56.720 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.278 | 7682019    | 56.715 ug/ml |
| 16) T n-Octacosane (C28)       | 17.231 | 7449836    | 56.611 ug/ml |
| 17) T n-Tricontane (C30)       | 18.121 | 7371534    | 55.568 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.954 | 7113942    | 56.405 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.743 | 6857927    | 62.985 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.483 | 6504420    | 69.669 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.232 | 6359416    | 72.468 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.174 | 6231395    | 73.516 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

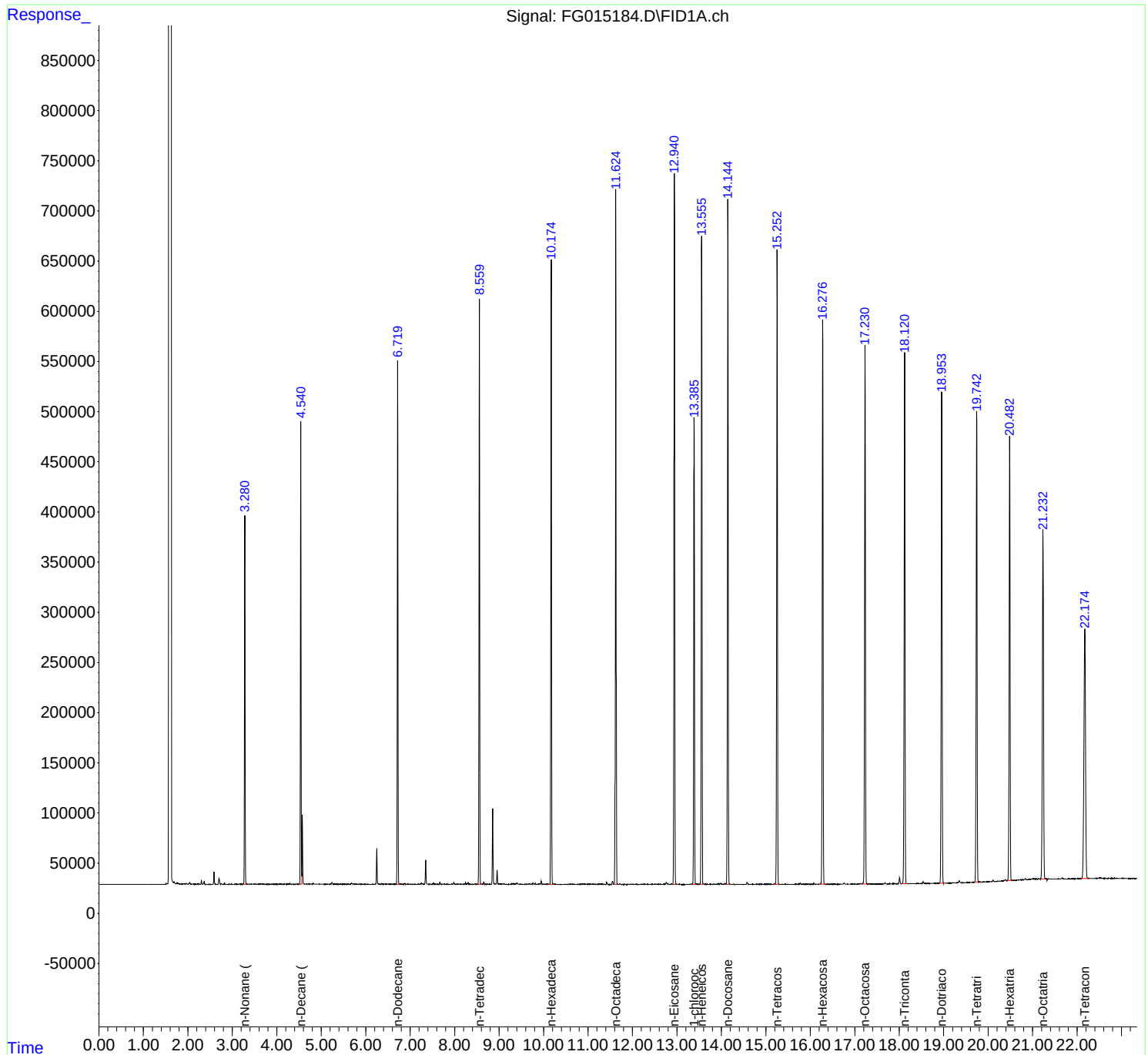
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015184.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 16:20  
Operator : YP\AJ  
Sample : PB166218BS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB166218BS

Integration File: autoint1.e  
Quant Time: Jan 29 02:34:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015184.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:20  
 Sample : PB166218BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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                       | 3.281       | 3.246        | 3.321      | BB       | 367496         | 3612920      | 43.09%         | 2.825%        |
| 2                       | 4.540       | 4.508        | 4.560      | BV       | 460938         | 4504308      | 53.73%         | 3.522%        |
| 3                       | 6.720       | 6.688        | 6.763      | BB       | 520663         | 5282180      | 63.00%         | 4.131%        |
| 4                       | 8.559       | 8.521        | 8.605      | BB       | 583548         | 6153130      | 73.39%         | 4.812%        |
| 5                       | 10.175      | 10.128       | 10.225     | BB       | 617203         | 6893159      | 82.22%         | 5.390%        |
| 6                       | 11.625      | 11.585       | 11.662     | BB       | 690704         | 7916527      | 94.43%         | 6.191%        |
| 7                       | 12.941      | 12.899       | 12.986     | BB       | 703741         | 8383911      | 100.00%        | 6.556%        |
| 8                       | 13.386      | 13.347       | 13.430     | BB       | 465364         | 5562109      | 66.34%         | 4.350%        |
| 9                       | 13.555      | 13.515       | 13.589     | BB       | 645504         | 8067621      | 96.23%         | 6.309%        |
| 10                      | 14.144      | 14.105       | 14.190     | VB       | 680301         | 8038143      | 95.88%         | 6.286%        |
| 11                      | 15.252      | 15.178       | 15.306     | BB       | 630904         | 7894531      | 94.16%         | 6.173%        |
| 12                      | 16.278      | 16.210       | 16.333     | BB       | 560194         | 7682019      | 91.63%         | 6.007%        |
| 13                      | 17.231      | 17.156       | 17.285     | BB       | 536005         | 7449836      | 88.86%         | 5.826%        |
| 14                      | 18.121      | 18.052       | 18.178     | BB       | 525752         | 7371534      | 87.92%         | 5.764%        |
| 15                      | 18.954      | 18.898       | 19.011     | BB       | 488000         | 7113942      | 84.85%         | 5.563%        |
| 16                      | 19.743      | 19.700       | 19.797     | BB       | 468794         | 6857927      | 81.80%         | 5.363%        |
| 17                      | 20.483      | 20.425       | 20.541     | BB       | 441576         | 6504420      | 77.58%         | 5.086%        |
| 18                      | 21.232      | 21.180       | 21.299     | BB       | 345997         | 6359416      | 75.85%         | 4.973%        |
| 19                      | 22.174      | 22.089       | 22.263     | BB       | 248803         | 6231395      | 74.33%         | 4.873%        |
| Sum of corrected areas: |             |              |            |          |                | 127879029    |                |               |

Aliphatic EPH 011425.M Wed Jan 29 03:37:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068134.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:18  
 Operator : YP/AJ  
 Sample : PB166219BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB166219BS

Integration File: autoint1.e  
 Quant Time: Jan 29 00:44:50 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 04:31:18 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 12.869 | 4525889    | 39.355 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 78.71%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.232  | 3725844    | 27.209 ug/ml |
| 2) T n-Decane (C10)            | 4.290  | 4555651    | 32.814 ug/ml |
| 4) T n-Dodecane (C12)          | 6.299  | 5197010    | 37.202 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.088  | 5832813    | 42.738 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.684  | 6285154    | 45.234 ug/ml |
| 8) T n-Octadecane (C18)        | 11.122 | 6551000    | 46.821 ug/ml |
| 10) T n-Eicosane (C20)         | 12.428 | 6752597    | 50.467 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.039 | 6457250    | 49.164 ug/ml |
| 13) T n-Docosane (C22)         | 13.625 | 6421955    | 49.577 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.725 | 6306255    | 49.119 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.743 | 6166745    | 49.006 ug/ml |
| 16) T n-Octacosane (C28)       | 16.691 | 6031525    | 48.224 ug/ml |
| 17) T n-Tricontane (C30)       | 17.577 | 6039631    | 46.726 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.408 | 5921192    | 47.365 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.191 | 5768275    | 53.176 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 19.929 | 5431797    | 58.695 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.642 | 5185853    | 60.520 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.506 | 5033590    | 62.251 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

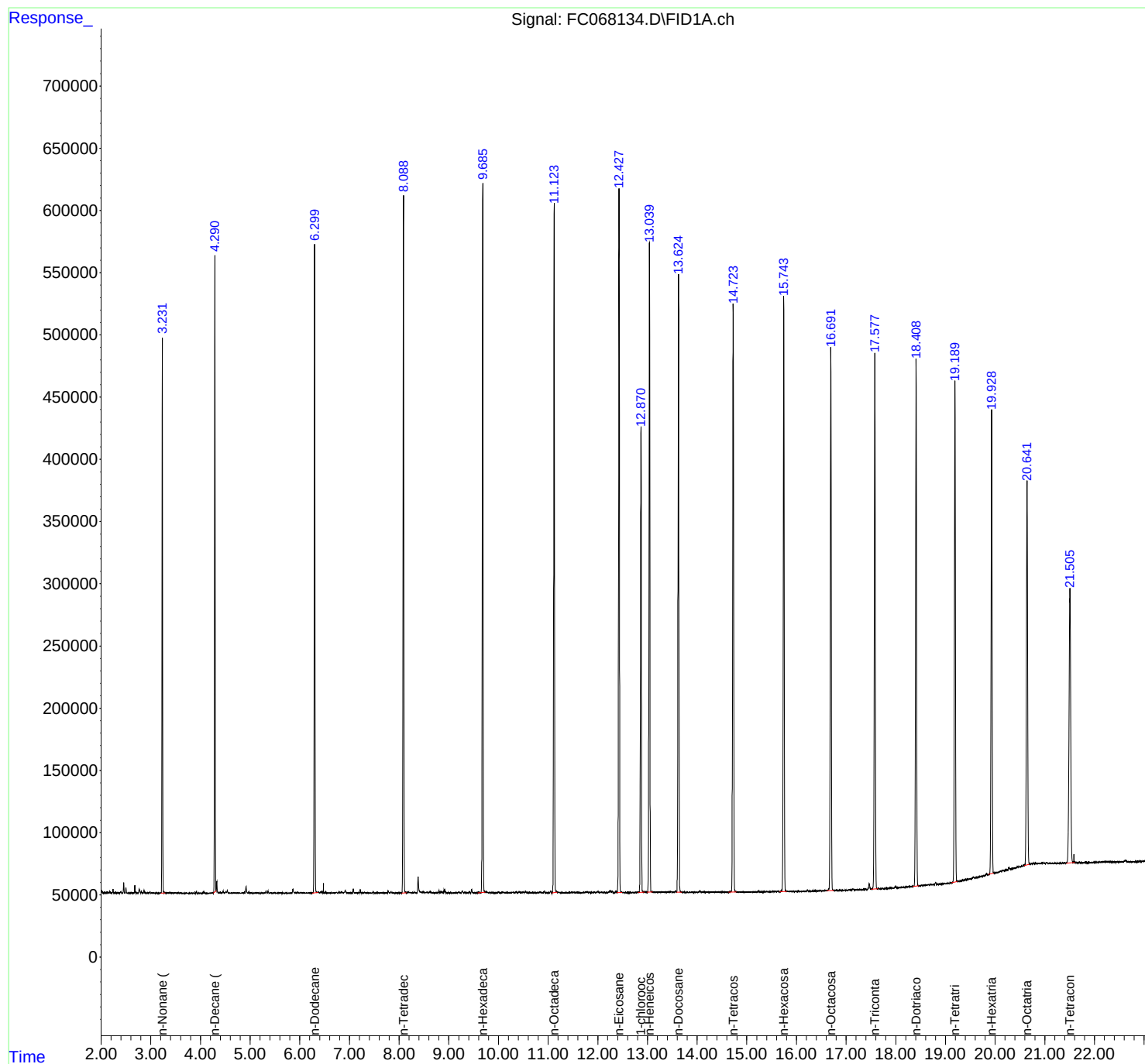
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068134.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 16:18  
Operator : YP/AJ  
Sample : PB166219BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB166219BS

Integration File: autoint1.e  
Quant Time: Jan 29 00:44:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068134.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:18  
 Sample : PB166219BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.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                       | 3.232       | 3.204        | 3.291      | BB       | 446276         | 3725844      | 55.18%         | 3.444%        |
| 2                       | 4.290       | 4.258        | 4.315      | BV       | 511963         | 4555651      | 67.47%         | 4.211%        |
| 3                       | 6.299       | 6.248        | 6.361      | BB       | 519044         | 5197010      | 76.96%         | 4.804%        |
| 4                       | 8.088       | 8.048        | 8.151      | BB       | 559167         | 5832813      | 86.38%         | 5.391%        |
| 5                       | 9.684       | 9.584        | 9.738      | BB       | 566712         | 6285154      | 93.08%         | 5.809%        |
| 6                       | 11.122      | 11.081       | 11.184     | BB       | 546465         | 6551000      | 97.01%         | 6.055%        |
| 7                       | 12.428      | 12.388       | 12.491     | BB       | 562701         | 6752597      | 100.00%        | 6.241%        |
| 8                       | 12.869      | 12.811       | 12.941     | BB       | 377834         | 4525889      | 67.02%         | 4.183%        |
| 9                       | 13.039      | 12.994       | 13.104     | BB       | 520536         | 6457250      | 95.63%         | 5.968%        |
| 10                      | 13.625      | 13.584       | 13.684     | VB       | 493720         | 6421955      | 95.10%         | 5.936%        |
| 11                      | 14.725      | 14.634       | 14.791     | BB       | 474246         | 6306255      | 93.39%         | 5.829%        |
| 12                      | 15.743      | 15.661       | 15.808     | BB       | 477951         | 6166745      | 91.32%         | 5.700%        |
| 13                      | 16.691      | 16.608       | 16.754     | BB       | 435732         | 6031525      | 89.32%         | 5.575%        |
| 14                      | 17.577      | 17.511       | 17.641     | BB       | 431354         | 6039631      | 89.44%         | 5.582%        |
| 15                      | 18.408      | 18.341       | 18.464     | BB       | 421300         | 5921192      | 87.69%         | 5.473%        |
| 16                      | 19.191      | 19.121       | 19.241     | BB       | 395194         | 5768275      | 85.42%         | 5.332%        |
| 17                      | 19.929      | 19.871       | 19.968     | BB       | 372570         | 5431797      | 80.44%         | 5.021%        |
| 18                      | 20.642      | 20.581       | 20.694     | BB       | 307493         | 5185853      | 76.80%         | 4.793%        |
| 19                      | 21.506      | 21.431       | 21.608     | BB       | 219336         | 5033590      | 74.54%         | 4.653%        |
| Sum of corrected areas: |             |              |            |          |                | 108190026    |                |               |

Aliphatic EPH 012425.M Wed Jan 29 02:06:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048968.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:18  
 Operator : YP/AJ  
 Sample : PB166219BS  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 PB166219BS

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: autoint1.e  
 Quant Time: Jan 29 02:11:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:38:15 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.357  | 8086195    | 56.816 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 113.63%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.209  | 5175064    | 60.820 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 121.64%      |
| 11) S ortho-Terphenyl (SURR)       | 11.243 | 7890956    | 47.983 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 95.97%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.181  | 7004263    | 45.439 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.698  | 7946760    | 50.838 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.744  | 7756673    | 50.001 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.011  | 8962245    | 54.801 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.307  | 9656367    | 57.491 ug/ml |
| 8) T Fluorene (C16.55)             | 9.086  | 9674552    | 61.845 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.474 | 9900566    | 65.006 ug/ml |
| 10) T Anthracene (C19.43)          | 10.550 | 10067480   | 66.092 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.280 | 10189858   | 64.782 ug/ml |
| 13) T Pyrene (C20.8)               | 12.573 | 10079737   | 63.984 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.445 | 9566321    | 74.342 ug/ml |
| 15) T Chrysene (C27.41)            | 14.486 | 9445146    | 55.856 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.995 | 9483980    | 69.413 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.030 | 9671545    | 59.717 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.370 | 9138771    | 65.662 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.741 | 8962541    | 85.937 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.775 | 8895841    | 62.315 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.993 | 8945465    | 62.714 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

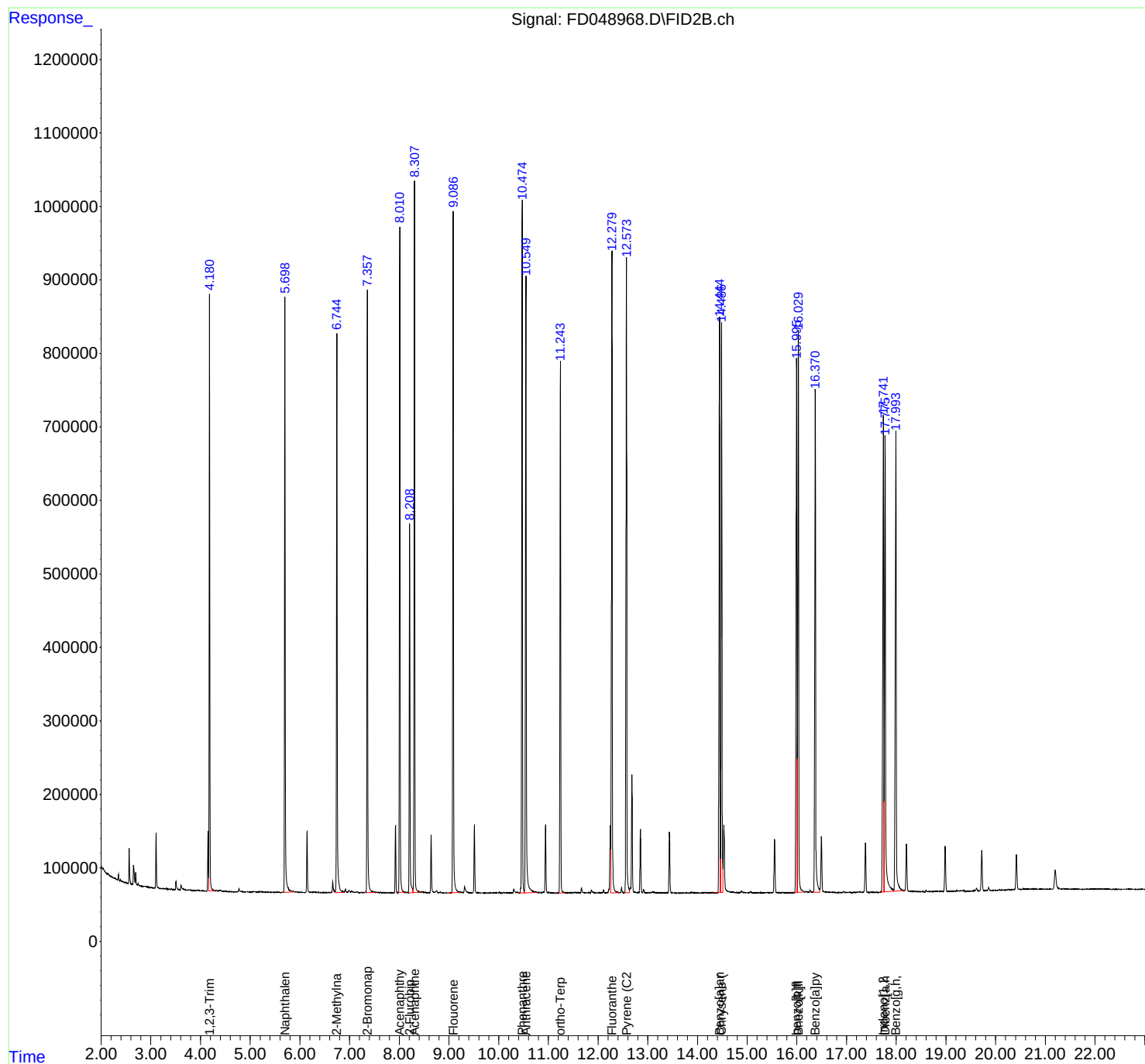


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
Data File : FD048968.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 16:18  
Operator : YP/AJ  
Sample : PB166219BS  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

Instrument :  
FID\_D  
ClientSampleId :  
PB166219BS

Integration File: autoint1.e  
Quant Time: Jan 29 02:11:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:38:15 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048968.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:18  
 Sample : PB166219BS  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Title : GC Extractables

Signal : FID2B.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                       | 4.181       | 4.164        | 4.307      | VV       | 811523         | 7004263      | 68.74%         | 3.756%        |
| 2                       | 5.698       | 5.650        | 5.893      | BB       | 811969         | 7946760      | 77.99%         | 4.261%        |
| 3                       | 6.744       | 6.715        | 6.887      | VV       | 763289         | 7756673      | 76.12%         | 4.159%        |
| 4                       | 7.357       | 7.332        | 7.512      | VB       | 818179         | 8086195      | 79.36%         | 4.336%        |
| 5                       | 8.011       | 7.960        | 8.113      | BV       | 903550         | 8962245      | 87.95%         | 4.805%        |
| 6                       | 8.209       | 8.180        | 8.278      | BV       | 501732         | 5175064      | 50.79%         | 2.775%        |
| 7                       | 8.307       | 8.278        | 8.448      | VV       | 967217         | 9656367      | 94.76%         | 5.178%        |
| 8                       | 9.086       | 8.980        | 9.230      | BV       | 922909         | 9674552      | 94.94%         | 5.187%        |
| 9                       | 10.474      | 10.402       | 10.517     | BV       | 941323         | 9900566      | 97.16%         | 5.309%        |
| 10                      | 10.550      | 10.517       | 10.777     | VB       | 838961         | 10067480     | 98.80%         | 5.398%        |
| 11                      | 11.243      | 11.183       | 11.342     | BB       | 723830         | 7890956      | 77.44%         | 4.231%        |
| 12                      | 12.280      | 12.255       | 12.430     | VB       | 871202         | 10189858     | 100.00%        | 5.464%        |
| 13                      | 12.573      | 12.523       | 12.633     | BV       | 866476         | 10079737     | 98.92%         | 5.405%        |
| 14                      | 14.445      | 14.343       | 14.461     | BV       | 782583         | 9566321      | 93.88%         | 5.129%        |
| 15                      | 14.487      | 14.461       | 14.514     | VV       | 773830         | 9445146      | 92.69%         | 5.064%        |
| 16                      | 15.995      | 15.930       | 16.008     | BV       | 727373         | 9483980      | 93.07%         | 5.085%        |
| 17                      | 16.030      | 16.008       | 16.163     | VB       | 766183         | 9671545      | 94.91%         | 5.186%        |
| 18                      | 16.370      | 16.310       | 16.461     | BV       | 684073         | 9138771      | 89.68%         | 4.900%        |
| 19                      | 17.741      | 17.690       | 17.754     | BV       | 645574         | 8962541      | 87.96%         | 4.806%        |
| 20                      | 17.775      | 17.754       | 17.950     | VV       | 620736         | 8895841      | 87.30%         | 4.770%        |
| 21                      | 17.993      | 17.950       | 18.165     | VV       | 629009         | 8945465      | 87.79%         | 4.796%        |
| Sum of corrected areas: |             |              |            |          |                | 186500327    |                |               |

Aromatic EPH 012425.M Wed Jan 29 02:47:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015328.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:49  
 Operator : YP\AJ  
 Sample : PB166218BSD  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

PB166218BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:47:21 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

Qlast Update : Wed Jan 15 07:05:42 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.993  | 8894035    | 67.379 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 134.76%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.866  | 5036514    | 59.669 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 119.34%       |
| 11) S ortho-Terphenyl (SURR)       | 11.931 | 8717752    | 50.642 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 101.28%       |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.604  | 6860785    | 42.772 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.271  | 8352411    | 52.093 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.366  | 8276884    | 52.050 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.668  | 9848852    | 61.982 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.969  | 10301926   | 63.178 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.758  | 10667883   | 67.751 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.164 | 10688075   | 66.941 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.241 | 10674090   | 72.297 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.987 | 10809095   | 65.338 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.287 | 10703803   | 66.082 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.168 | 9917954    | 66.483 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.214 | 10932388   | 70.382 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.728 | 9730394    | 65.752 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.765 | 9811165    | 69.391 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.111 | 9269954    | 65.244 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.488 | 10032761   | 79.620 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.526 | 9219293    | 62.313 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.748 | 9625386    | 71.304 ug/ml  |
| -----                              |        |            |               |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015328.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 16:49  
Operator : YP\AJ  
Sample : PB166218BSD  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

PB166218BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:47:21 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

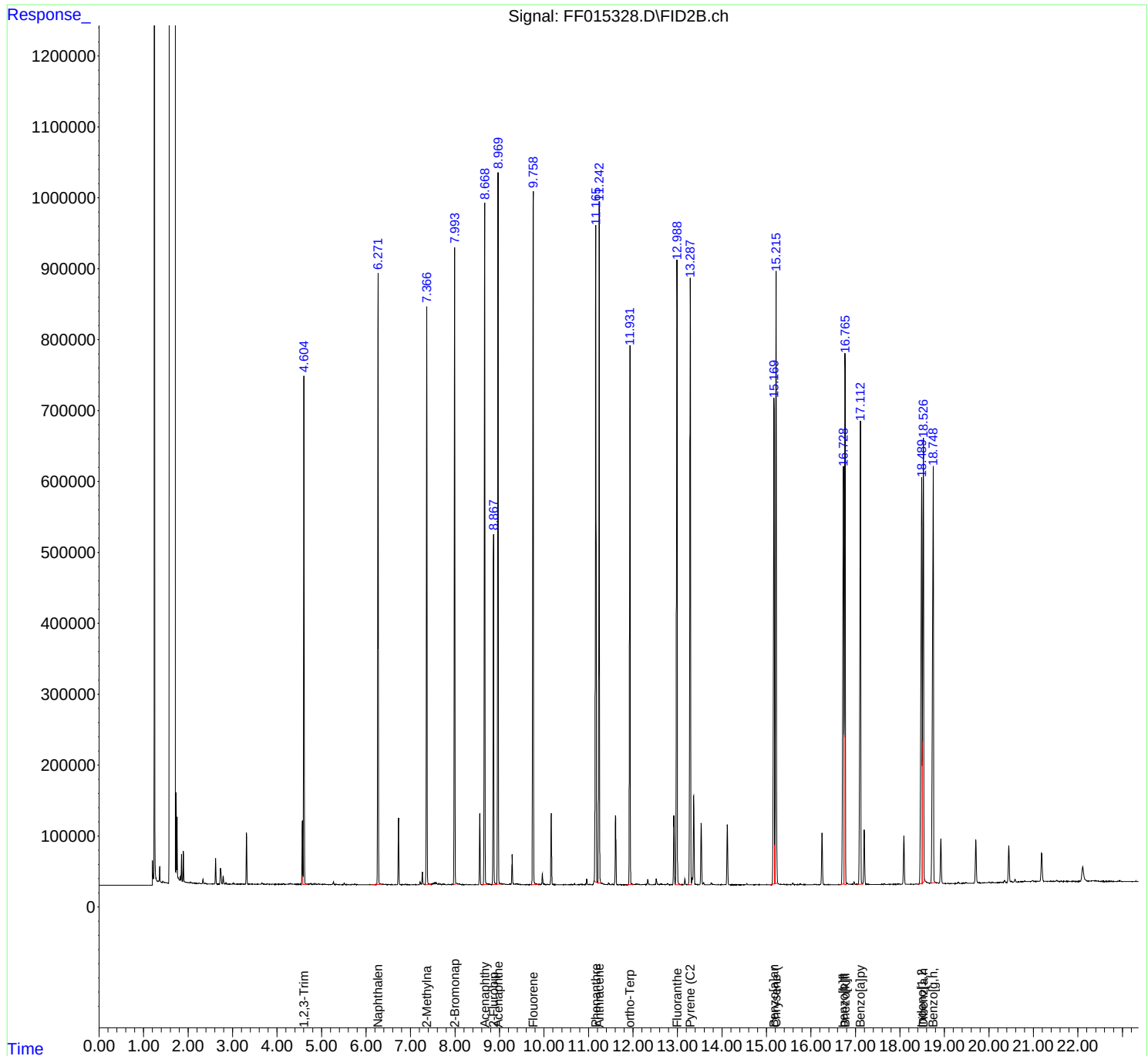
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID\_F

ClientSampleId :

PB166218BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF01282  
 Data File : FF015328.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:49  
 Sample : PB166218BSD  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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                       | 4.604       | 4.583        | 4.675      | VV       | 714868         | 6860785      | 62.76%         | 3.466%        |
| 2                       | 6.271       | 6.145        | 6.359      | BV       | 865189         | 8352411      | 76.40%         | 4.220%        |
| 3                       | 7.366       | 7.325        | 7.464      | PB       | 819063         | 8276884      | 75.71%         | 4.182%        |
| 4                       | 7.993       | 7.960        | 8.044      | PV       | 891556         | 8894035      | 81.35%         | 4.493%        |
| 5                       | 8.668       | 8.600        | 8.740      | PV       | 965801         | 9848852      | 90.09%         | 4.976%        |
| 6                       | 8.866       | 8.830        | 8.935      | BV       | 497838         | 5036514      | 46.07%         | 2.545%        |
| 7                       | 8.969       | 8.935        | 9.062      | VV       | 999157         | 10301926     | 94.23%         | 5.205%        |
| 8                       | 9.758       | 9.702        | 9.875      | BV       | 970313         | 10667883     | 97.58%         | 5.390%        |
| 9                       | 11.164      | 11.120       | 11.205     | BV       | 919877         | 10688075     | 97.77%         | 5.400%        |
| 10                      | 11.241      | 11.205       | 11.300     | PBA      | 964179         | 10674090     | 97.64%         | 5.393%        |
| 11                      | 11.931      | 11.845       | 12.010     | BB       | 760737         | 8717752      | 79.74%         | 4.404%        |
| 12                      | 12.987      | 12.946       | 13.099     | VB       | 880591         | 10809095     | 98.87%         | 5.461%        |
| 13                      | 13.287      | 13.240       | 13.313     | BV       | 858643         | 10703803     | 97.91%         | 5.408%        |
| 14                      | 15.168      | 15.085       | 15.187     | BV       | 686092         | 9917954      | 90.72%         | 5.011%        |
| 15                      | 15.214      | 15.187       | 15.250     | VBA      | 862317         | 10932388     | 100.00%        | 5.523%        |
| 16                      | 16.728      | 16.660       | 16.744     | BV       | 589940         | 9730394      | 89.01%         | 4.916%        |
| 17                      | 16.766      | 16.744       | 16.790     | VBA      | 749188         | 9602091      | 87.83%         | 4.851%        |
| 18                      | 17.111      | 17.030       | 17.161     | BV       | 655175         | 9269954      | 84.79%         | 4.683%        |
| 19                      | 18.488      | 18.392       | 18.502     | PV       | 568463         | 10032761     | 91.77%         | 5.069%        |
| 20                      | 18.526      | 18.502       | 18.620     | VBA      | 627757         | 8989481      | 82.23%         | 4.542%        |
| 21                      | 18.748      | 18.680       | 18.800     | BBA      | 582724         | 9625386      | 88.04%         | 4.863%        |
| Sum of corrected areas: |             |              |            |          |                | 197932512    |                |               |

Aromatic EPH 011425.M Wed Jan 29 01:39:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015185.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:49  
 Operator : YP\AJ  
 Sample : PB166218BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 PB166218BSD

Integration File: autoint1.e  
 Quant Time: Jan 29 02:34:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.386 | 6163834    | 50.622 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 101.24%      |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.284  | 3882539    | 29.904 ug/ml |
| 2) T n-Decane (C10)            | 4.543  | 4838579    | 36.410 ug/ml |
| 4) T n-Dodecane (C12)          | 6.722  | 5670244    | 41.711 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.559  | 6603376    | 48.016 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.175 | 7397339    | 51.053 ug/ml |
| 8) T n-Octadecane (C18)        | 11.625 | 8498003    | 57.176 ug/ml |
| 10) T n-Eicosane (C20)         | 12.942 | 9013642    | 62.797 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.556 | 8681838    | 61.402 ug/ml |
| 13) T n-Docosane (C22)         | 14.145 | 8653145    | 61.544 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.253 | 8514303    | 61.173 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.278 | 8288902    | 61.196 ug/ml |
| 16) T n-Octacosane (C28)       | 17.230 | 8037428    | 61.076 ug/ml |
| 17) T n-Tricontane (C30)       | 18.120 | 7944286    | 59.886 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.956 | 7663135    | 60.759 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.740 | 7387709    | 67.850 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.481 | 7029656    | 75.295 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.231 | 6915140    | 78.801 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.173 | 6899921    | 81.403 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

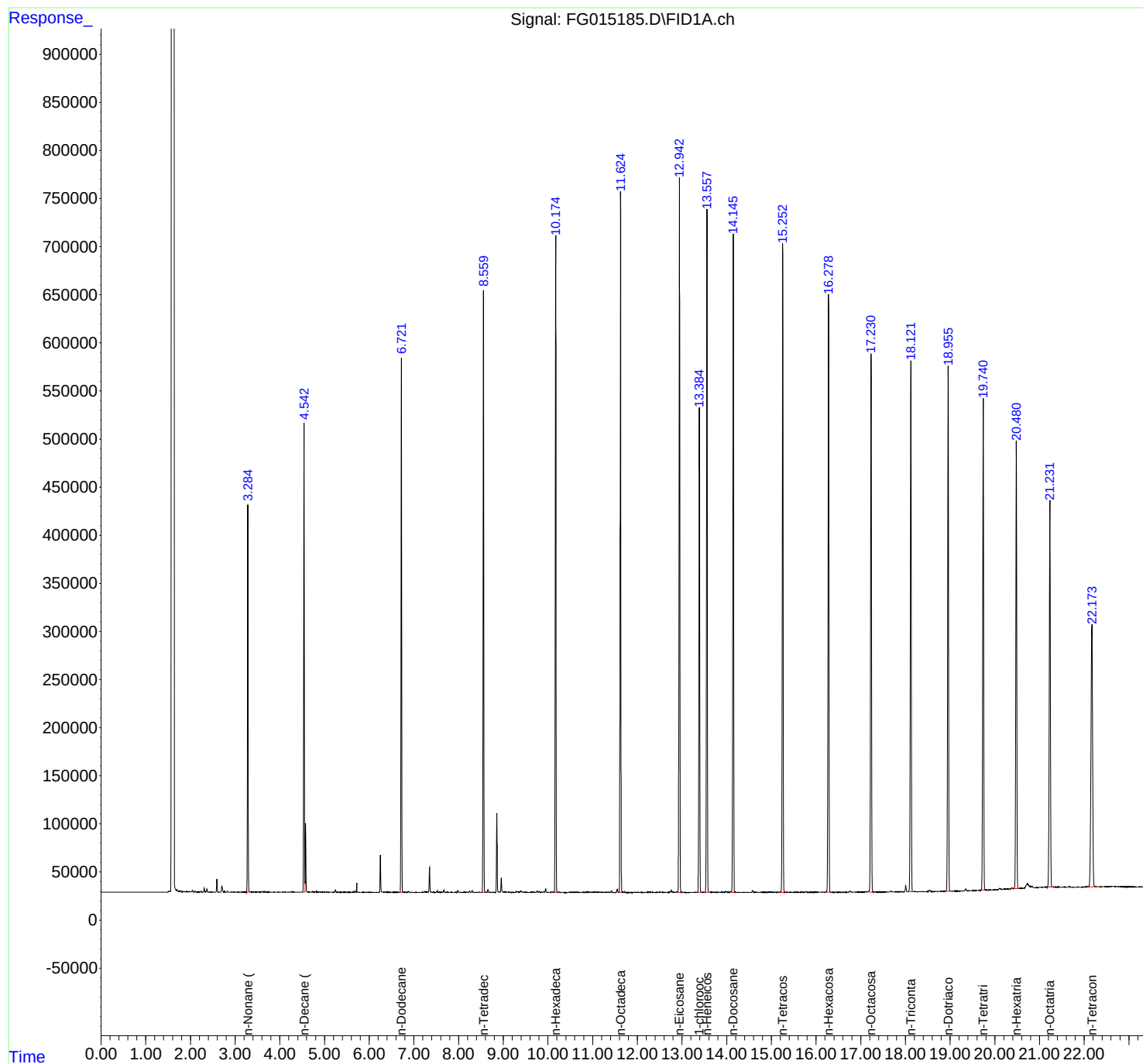
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015185.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 16:49  
Operator : YP\AJ  
Sample : PB166218BSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB166218BSD

Integration File: autoint1.e  
Quant Time: Jan 29 02:34:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015185.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:49  
 Sample : PB166218BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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                       | 3.284       | 3.250        | 3.328      | BB       | 402902         | 3882539      | 43.07%         | 2.812%        |
| 2                       | 4.543       | 4.508        | 4.562      | BV       | 487261         | 4838579      | 53.68%         | 3.504%        |
| 3                       | 6.722       | 6.687        | 6.765      | BB       | 555355         | 5670244      | 62.91%         | 4.106%        |
| 4                       | 8.559       | 8.523        | 8.604      | BB       | 623893         | 6603376      | 73.26%         | 4.782%        |
| 5                       | 10.175      | 10.136       | 10.223     | BB       | 678178         | 7397339      | 82.07%         | 5.357%        |
| 6                       | 11.625      | 11.586       | 11.656     | BB       | 726309         | 8498003      | 94.28%         | 6.154%        |
| 7                       | 12.942      | 12.901       | 12.987     | BB       | 742650         | 9013642      | 100.00%        | 6.528%        |
| 8                       | 13.386      | 13.347       | 13.422     | BB       | 498697         | 6163834      | 68.38%         | 4.464%        |
| 9                       | 13.556      | 13.515       | 13.591     | BB       | 706810         | 8681838      | 96.32%         | 6.287%        |
| 10                      | 14.145      | 14.105       | 14.190     | VB       | 683592         | 8653145      | 96.00%         | 6.267%        |
| 11                      | 15.253      | 15.174       | 15.307     | BB       | 673092         | 8514303      | 94.46%         | 6.166%        |
| 12                      | 16.278      | 16.208       | 16.328     | BB       | 618827         | 8288902      | 91.96%         | 6.003%        |
| 13                      | 17.230      | 17.156       | 17.286     | BB       | 558918         | 8037428      | 89.17%         | 5.821%        |
| 14                      | 18.120      | 18.053       | 18.171     | BB       | 541690         | 7944286      | 88.14%         | 5.753%        |
| 15                      | 18.956      | 18.893       | 19.001     | BB       | 545827         | 7663135      | 85.02%         | 5.550%        |
| 16                      | 19.740      | 19.700       | 19.793     | BB       | 509700         | 7387709      | 81.96%         | 5.350%        |
| 17                      | 20.481      | 20.425       | 20.538     | BB       | 465046         | 7029656      | 77.99%         | 5.091%        |
| 18                      | 21.231      | 21.180       | 21.300     | BB       | 397862         | 6915140      | 76.72%         | 5.008%        |
| 19                      | 22.173      | 22.072       | 22.272     | BB       | 272659         | 6899921      | 76.55%         | 4.997%        |
| Sum of corrected areas: |             |              |            |          |                | 138083018    |                |               |

Aliphatic EPH 011425.M Wed Jan 29 03:39:11 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068135.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:55  
 Operator : YP/AJ  
 Sample : PB166219BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB166219BSD

Integration File: autoint1.e  
 Quant Time: Jan 29 00:45:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 04:31:18 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 12.868 | 4449518    | 38.690 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 77.38%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.232  | 3698596    | 27.010 ug/ml |
| 2) T n-Decane (C10)            | 4.290  | 4519982    | 32.557 ug/ml |
| 4) T n-Dodecane (C12)          | 6.299  | 5181132    | 37.088 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.089  | 5847833    | 42.848 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.684  | 6348763    | 45.692 ug/ml |
| 8) T n-Octadecane (C18)        | 11.122 | 6641515    | 47.468 ug/ml |
| 10) T n-Eicosane (C20)         | 12.429 | 6856290    | 51.242 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.039 | 6557645    | 49.929 ug/ml |
| 13) T n-Docosane (C22)         | 13.624 | 6518164    | 50.320 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.724 | 6389113    | 49.765 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.743 | 6230013    | 49.509 ug/ml |
| 16) T n-Octacosane (C28)       | 16.690 | 6080375    | 48.615 ug/ml |
| 17) T n-Tricontane (C30)       | 17.576 | 6089096    | 47.109 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.407 | 5961117    | 47.684 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.190 | 5800339    | 53.471 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 19.928 | 5455685    | 58.953 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.643 | 5204768    | 60.741 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.504 | 5028748    | 62.191 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

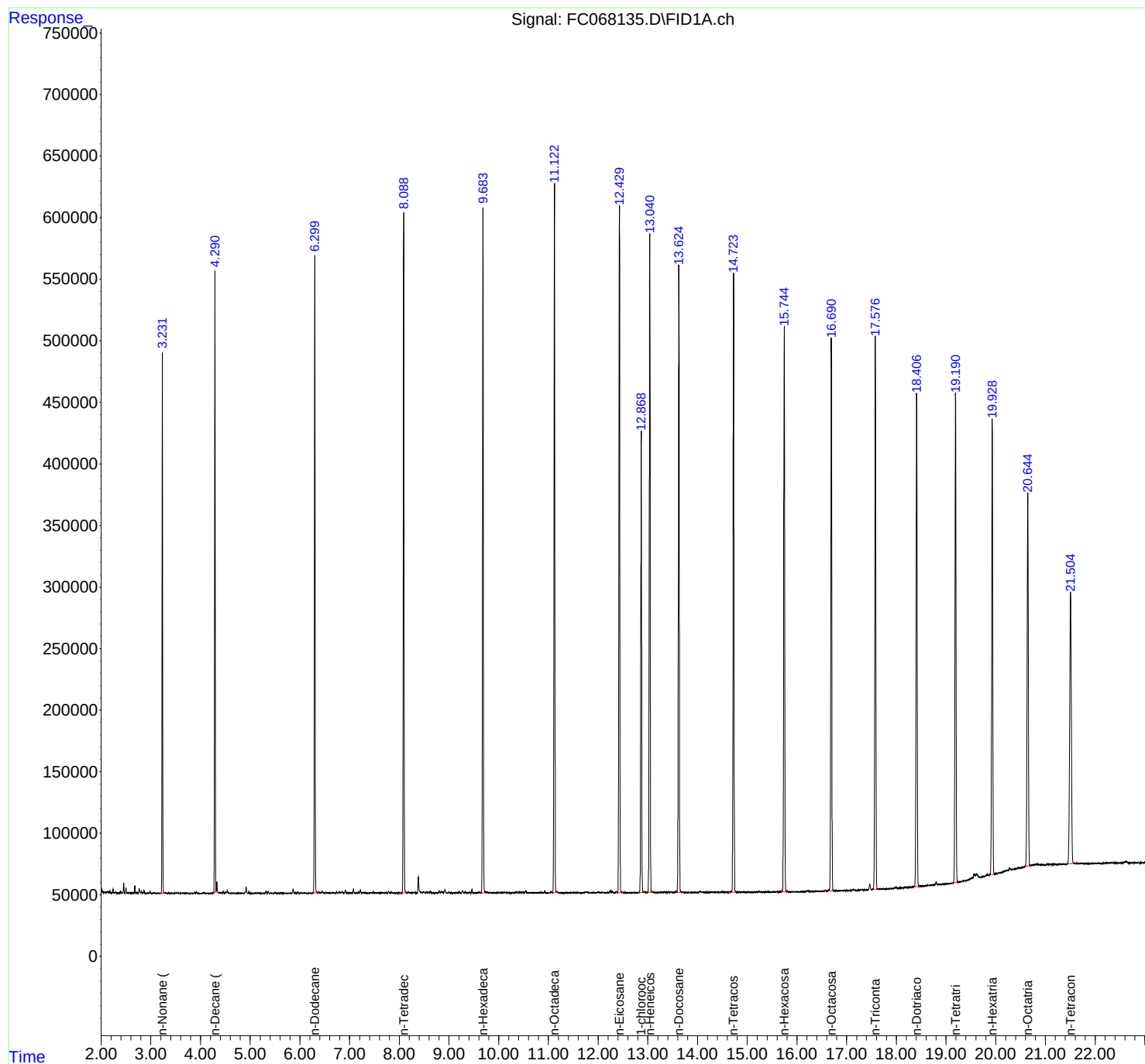
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
Data File : FC068135.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 16:55  
Operator : YP/AJ  
Sample : PB166219BSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB166219BSD

Integration File: autoint1.e  
Quant Time: Jan 29 00:45:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 04:31:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC012825AL\  
 Data File : FC068135.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 16:55  
 Sample : PB166219BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.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                       | 3.232       | 3.194        | 3.294      | BB       | 438635         | 3698596      | 53.94%         | 3.398%        |
| 2                       | 4.290       | 4.254        | 4.315      | BV       | 505916         | 4519982      | 65.92%         | 4.152%        |
| 3                       | 6.299       | 6.261        | 6.361      | BB       | 524323         | 5181132      | 75.57%         | 4.760%        |
| 4                       | 8.089       | 7.964        | 8.151      | BB       | 547450         | 5847833      | 85.29%         | 5.372%        |
| 5                       | 9.684       | 9.641        | 9.741      | BB       | 555871         | 6348763      | 92.60%         | 5.832%        |
| 6                       | 11.122      | 11.081       | 11.184     | BB       | 572446         | 6641515      | 96.87%         | 6.101%        |
| 7                       | 12.429      | 12.388       | 12.491     | PB       | 556110         | 6856290      | 100.00%        | 6.298%        |
| 8                       | 12.868      | 12.811       | 12.921     | BB       | 374036         | 4449518      | 64.90%         | 4.087%        |
| 9                       | 13.039      | 12.998       | 13.101     | BB       | 532093         | 6557645      | 95.64%         | 6.024%        |
| 10                      | 13.624      | 13.584       | 13.684     | BB       | 509955         | 6518164      | 95.07%         | 5.988%        |
| 11                      | 14.724      | 14.634       | 14.784     | BB       | 503232         | 6389113      | 93.19%         | 5.869%        |
| 12                      | 15.743      | 15.671       | 15.804     | BB       | 461585         | 6230013      | 90.87%         | 5.723%        |
| 13                      | 16.690      | 16.618       | 16.751     | BB       | 446963         | 6080375      | 88.68%         | 5.586%        |
| 14                      | 17.576      | 17.504       | 17.638     | BB       | 447161         | 6089096      | 88.81%         | 5.594%        |
| 15                      | 18.407      | 18.341       | 18.471     | BB       | 399494         | 5961117      | 86.94%         | 5.476%        |
| 16                      | 19.190      | 19.121       | 19.241     | BB       | 401107         | 5800339      | 84.60%         | 5.328%        |
| 17                      | 19.928      | 19.871       | 19.971     | BB       | 368295         | 5455685      | 79.57%         | 5.012%        |
| 18                      | 20.643      | 20.581       | 20.691     | BB       | 302335         | 5204768      | 75.91%         | 4.781%        |
| 19                      | 21.504      | 21.431       | 21.581     | BB       | 220424         | 5028748      | 73.35%         | 4.620%        |
| Sum of corrected areas: |             |              |            |          |                | 108858689    |                |               |

Aliphatic EPH 012425.M Wed Jan 29 02:07:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048969.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:55  
 Operator : YP/AJ  
 Sample : PB166219BSD  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 PB166219BSD

Integration File: autoint1.e  
 Quant Time: Jan 29 02:11:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 03:38:15 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.358  | 8254516    | 57.999 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 116.00%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.209  | 5291934    | 62.194 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 124.39%      |
| 11) S ortho-Terphenyl (SURR)       | 11.244 | 8077333    | 49.117 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 98.23%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.181  | 7159022    | 46.443 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.698  | 7983666    | 51.074 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.745  | 7913402    | 51.011 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.011  | 9166688    | 56.051 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.307  | 9840886    | 58.590 ug/ml |
| 8) T Fluorene (C16.55)             | 9.086  | 9927555    | 63.463 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.474 | 10148967   | 66.637 ug/ml |
| 10) T Anthracene (C19.43)          | 10.549 | 10277016   | 67.467 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.280 | 10443614   | 66.395 ug/ml |
| 13) T Pyrene (C20.8)               | 12.573 | 10324628   | 65.539 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.445 | 9850405    | 76.550 ug/ml |
| 15) T Chrysene (C27.41)            | 14.488 | 9711801    | 57.433 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 15.995 | 9751561    | 71.371 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.029 | 9952112    | 61.449 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.371 | 9383696    | 67.422 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.740 | 9238678    | 88.585 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.775 | 9123557    | 63.910 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 17.992 | 9201366    | 64.508 ug/ml |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

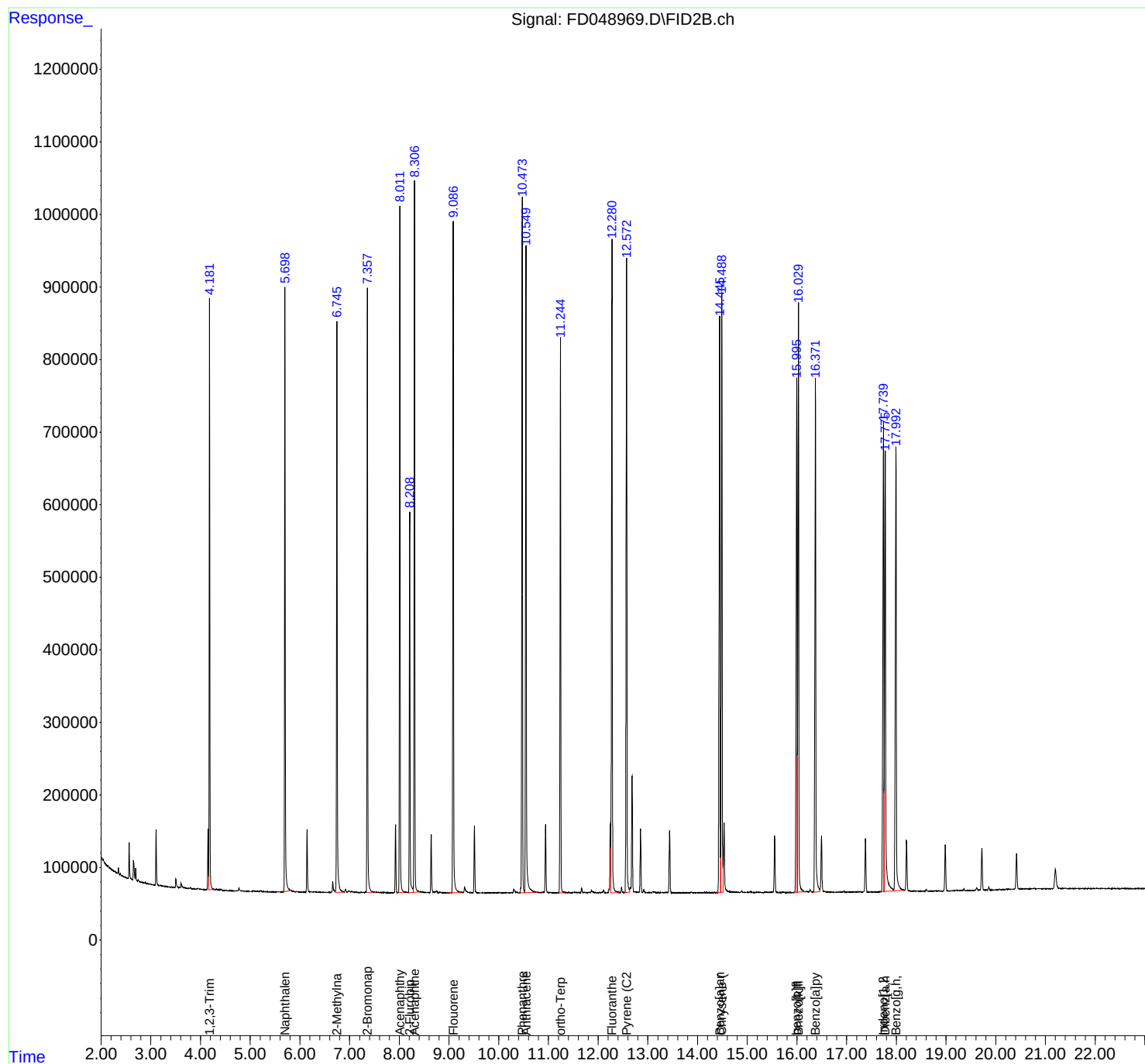
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
Data File : FD048969.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 16:55  
Operator : YP/AJ  
Sample : PB166219BSD  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

Instrument :  
FID\_D  
ClientSampleId :  
PB166219BSD

Integration File: autoint1.e  
Quant Time: Jan 29 02:11:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 25 03:38:15 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD012825AR\  
 Data File : FD048969.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 16:55  
 Sample : PB166219BSD  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 012425.M  
 Title : GC Extractables

Signal : FID2B.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                       | 4.181       | 4.164        | 4.300      | VV       | 813337         | 7159022      | 68.55%         | 3.748%        |
| 2                       | 5.698       | 5.649        | 5.810      | BV       | 832483         | 7983666      | 76.45%         | 4.179%        |
| 3                       | 6.745       | 6.715        | 6.887      | VV       | 787729         | 7913402      | 75.77%         | 4.143%        |
| 4                       | 7.358       | 7.332        | 7.517      | VB       | 833854         | 8254516      | 79.04%         | 4.321%        |
| 5                       | 8.011       | 7.960        | 8.110      | BV       | 947100         | 9166688      | 87.77%         | 4.799%        |
| 6                       | 8.209       | 8.182        | 8.277      | BV       | 525585         | 5291934      | 50.67%         | 2.770%        |
| 7                       | 8.307       | 8.277        | 8.408      | VV       | 982064         | 9840886      | 94.23%         | 5.152%        |
| 8                       | 9.086       | 8.947        | 9.234      | BV       | 924464         | 9927555      | 95.06%         | 5.197%        |
| 9                       | 10.474      | 10.409       | 10.519     | BV       | 957952         | 10148967     | 97.18%         | 5.313%        |
| 10                      | 10.549      | 10.519       | 10.769     | VB       | 888904         | 10277016     | 98.40%         | 5.380%        |
| 11                      | 11.244      | 11.184       | 11.339     | BB       | 763730         | 8077333      | 77.34%         | 4.228%        |
| 12                      | 12.280      | 12.255       | 12.424     | VB       | 899690         | 10443614     | 100.00%        | 5.467%        |
| 13                      | 12.573      | 12.520       | 12.632     | BV       | 877229         | 10324628     | 98.86%         | 5.405%        |
| 14                      | 14.445      | 14.377       | 14.462     | BV       | 796642         | 9850405      | 94.32%         | 5.157%        |
| 15                      | 14.488      | 14.462       | 14.513     | VV       | 826119         | 9711801      | 92.99%         | 5.084%        |
| 16                      | 15.995      | 15.930       | 16.008     | BV       | 710336         | 9751561      | 93.37%         | 5.105%        |
| 17                      | 16.029      | 16.008       | 16.170     | VB       | 815776         | 9952112      | 95.29%         | 5.210%        |
| 18                      | 16.371      | 16.322       | 16.459     | BV       | 710892         | 9383696      | 89.85%         | 4.912%        |
| 19                      | 17.740      | 17.690       | 17.753     | BV       | 647339         | 9238678      | 88.46%         | 4.836%        |
| 20                      | 17.775      | 17.753       | 17.945     | VV       | 607523         | 9123557      | 87.36%         | 4.776%        |
| 21                      | 17.992      | 17.945       | 18.169     | VV       | 611489         | 9201366      | 88.11%         | 4.817%        |
| Sum of corrected areas: |             |              |            |          |                | 191022404    |                |               |

Aromatic EPH 012425.M Wed Jan 29 02:48:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015334.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 19:40  
 Operator : YP\AJ  
 Sample : Q1194-01MS  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

B-110-SB01MS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:49:43 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.993  | 7140254    | 54.093 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 108.19%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.866  | 4584114    | 54.309 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 108.62%       |
| 11) S ortho-Terphenyl (SURR)       | 11.929 | 6065574    | 35.236 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 70.47%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.604  | 6180634    | 38.532 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.271  | 7136326    | 44.509 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.366  | 6946332    | 43.683 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.668  | 7812675    | 49.167 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.968  | 8217120    | 50.393 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.757  | 8180501    | 51.954 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.162 | 7905446    | 49.513 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.238 | 7910996    | 53.582 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.984 | 7933218    | 47.954 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.283 | 7792479    | 48.108 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.164 | 7162559    | 48.013 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.210 | 8024915    | 51.664 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.725 | 7056691    | 47.685 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.761 | 7006258    | 49.553 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.107 | 6734227    | 47.397 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.481 | 7350672    | 58.335 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.520 | 6622747    | 44.763 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.740 | 7004278    | 51.887 ug/ml  |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015334.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 19:40  
Operator : YP\AJ  
Sample : Q1194-01MS  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

B-110-SB01MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:49:43 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

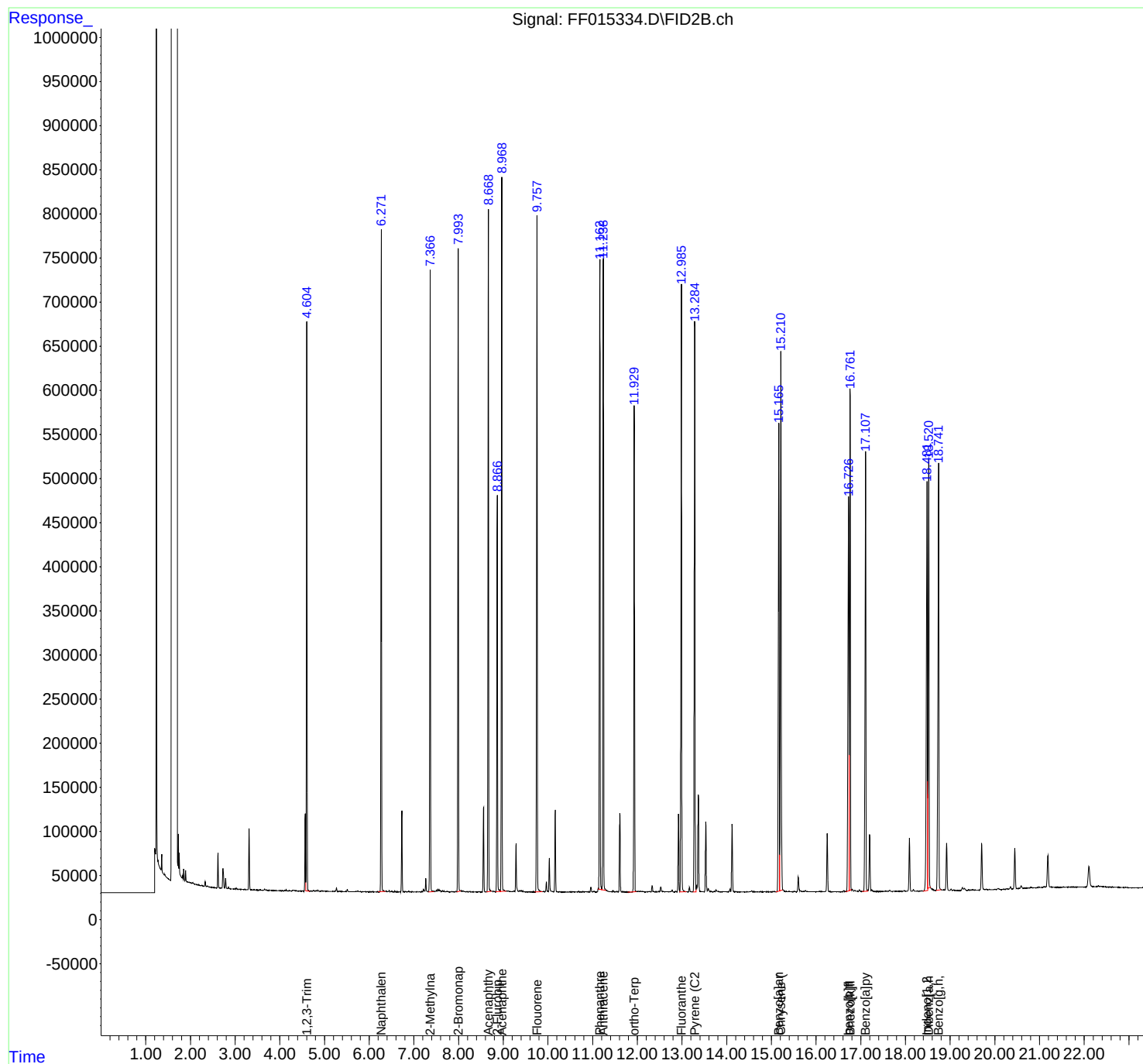
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





Instrument :

FID\_F

ClientSampleId :

B-110-SB01MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF01282  
 Data File : FF015334.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 19:40  
 Sample : Q1194-01MS  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.452       | 4.439        | 4.466      | PV       | 186            | 2067         | 0.02%          | 0.001%        |
| 2         | 4.469       | 4.466        | 4.493      | VV       | 114            | 1200         | 0.01%          | 0.001%        |
| 3         | 4.513       | 4.493        | 4.537      | VV       | 255            | 3867         | 0.05%          | 0.002%        |
| 4         | 4.568       | 4.537        | 4.583      | VV       | 88168          | 854190       | 10.33%         | 0.507%        |
| 5         | 4.604       | 4.583        | 4.670      | VV       | 646229         | 6187593      | 74.80%         | 3.672%        |
| 6         | 4.691       | 4.670        | 4.719      | VV       | 571            | 8772         | 0.11%          | 0.005%        |
| 7         | 4.757       | 4.719        | 4.776      | VV       | 1258           | 18398        | 0.22%          | 0.011%        |
| 8         | 4.788       | 4.776        | 4.802      | VV       | 268            | 2828         | 0.03%          | 0.002%        |
| 9         | 4.818       | 4.802        | 4.836      | VV       | 967            | 10483        | 0.13%          | 0.006%        |
| 10        | 4.852       | 4.836        | 4.883      | VV       | 1680           | 18577        | 0.22%          | 0.011%        |
| 11        | 4.887       | 4.883        | 4.915      | VV       | 179            | 2239         | 0.03%          | 0.001%        |
| 12        | 4.941       | 4.915        | 4.969      | VV       | 673            | 13835        | 0.17%          | 0.008%        |
| 13        | 4.981       | 4.969        | 5.021      | VV       | 498            | 8872         | 0.11%          | 0.005%        |
| 14        | 5.028       | 5.021        | 5.031      | VV       | 198            | 1183         | 0.01%          | 0.001%        |
| 15        | 5.034       | 5.031        | 5.040      | VV       | 194            | 1002         | 0.01%          | 0.001%        |
| 16        | 5.060       | 5.040        | 5.101      | VV       | 611            | 9518         | 0.12%          | 0.006%        |
| 17        | 5.107       | 5.101        | 5.133      | VV       | 106            | 1553         | 0.02%          | 0.001%        |
| 18        | 5.183       | 5.166        | 5.207      | VV       | 255            | 3249         | 0.04%          | 0.002%        |
| 19        | 5.245       | 5.207        | 5.250      | VV       | 653            | 8746         | 0.11%          | 0.005%        |
| 20        | 5.268       | 5.250        | 5.304      | VV       | 4098           | 48244        | 0.58%          | 0.029%        |
| 21        | 5.330       | 5.304        | 5.369      | VV       | 785            | 10522        | 0.13%          | 0.006%        |
| 22        | 5.383       | 5.369        | 5.442      | VV       | 188            | 3120         | 0.04%          | 0.002%        |
| 23        | 5.475       | 5.442        | 5.491      | PV       | 269            | 2657         | 0.03%          | 0.002%        |
| 24        | 5.510       | 5.491        | 5.551      | VV       | 2682           | 31151        | 0.38%          | 0.018%        |
| 25        | 5.568       | 5.558        | 5.574      | VV       | 165            | 1245         | 0.02%          | 0.001%        |
| 26        | 5.579       | 5.574        | 5.596      | VV       | 191            | 1618         | 0.02%          | 0.001%        |
| 27        | 5.614       | 5.596        | 5.626      | VV       | 134            | 1521         | 0.02%          | 0.001%        |
| 28        | 5.661       | 5.647        | 5.686      | VV       | 235            | 3109         | 0.04%          | 0.002%        |
| 29        | 5.704       | 5.686        | 5.725      | VV       | 699            | 8205         | 0.10%          | 0.005%        |
| 30        | 5.747       | 5.725        | 5.772      | VV       | 1319           | 14788        | 0.18%          | 0.009%        |
| 31        | 5.776       | 5.772        | 5.794      | VV       | 102            | 1388         | 0.02%          | 0.001%        |
| 32        | 5.809       | 5.794        | 5.859      | VV       | 340            | 5963         | 0.07%          | 0.004%        |
| 33        | 5.897       | 5.871        | 5.932      | VV       | 258            | 5570         | 0.07%          | 0.003%        |
| 34        | 5.954       | 5.932        | 5.981      | VV       | 247            | 4349         | 0.05%          | 0.003%        |
| 35        | 6.014       | 5.992        | 6.047      | VV       | 258            | 4603         | 0.06%          | 0.003%        |
| 36        | 6.054       | 6.047        | 6.069      | VV       | 196            | 1814         | 0.02%          | 0.001%        |

| Instrument : FID_F                       |       |       |       |    |           |         |        |        |  |
|------------------------------------------|-------|-------|-------|----|-----------|---------|--------|--------|--|
| ClientSampleId : B-110-SB01MS            |       |       |       |    |           |         |        |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |           |         |        |        |  |
| Reviewed By :Yogesh Patel 01/29/2025     |       |       |       |    |           |         |        |        |  |
| Supervised By :Ankita Jodhani 01/29/2025 |       |       |       |    |           |         |        |        |  |
|                                          |       |       |       |    | retention |         |        |        |  |
| 37                                       | 6.075 | 6.069 | 6.102 | VV | 205       | 2677    | 0.03%  | 0.002% |  |
| 38                                       | 6.112 | 6.102 | 6.124 | VV | 173       | 1338    |        |        |  |
| 39                                       | 6.137 | 6.132 | 6.152 | VV | 112       | 1172    |        |        |  |
| 40                                       | 6.171 | 6.152 | 6.186 | VV | 208       | 3002    |        |        |  |
| 41                                       | 6.189 | 6.186 | 6.209 | VV | 219       | 2718    |        |        |  |
| 42                                       | 6.218 | 6.209 | 6.228 | VV | 316       | 2734    |        |        |  |
| 43                                       | 6.233 | 6.228 | 6.237 | VV | 261       | 1236    | 0.01%  | 0.001% |  |
| 44                                       | 6.271 | 6.237 | 6.362 | VV | 749950    | 7172370 | 86.70% | 4.257% |  |
| 45                                       | 6.378 | 6.362 | 6.416 | VV | 1203      | 23290   | 0.28%  | 0.014% |  |
| 46                                       | 6.447 | 6.416 | 6.477 | VV | 1603      | 27127   | 0.33%  | 0.016% |  |
| 47                                       | 6.483 | 6.477 | 6.489 | VV | 362       | 2273    | 0.03%  | 0.001% |  |
| 48                                       | 6.521 | 6.489 | 6.557 | VV | 542       | 15705   | 0.19%  | 0.009% |  |
| 49                                       | 6.575 | 6.557 | 6.593 | VV | 1145      | 14504   | 0.18%  | 0.009% |  |
| 50                                       | 6.597 | 6.593 | 6.604 | VV | 288       | 1749    | 0.02%  | 0.001% |  |
| 51                                       | 6.609 | 6.604 | 6.633 | VV | 281       | 3787    | 0.05%  | 0.002% |  |
| 52                                       | 6.650 | 6.633 | 6.655 | VV | 246       | 2468    | 0.03%  | 0.001% |  |
| 53                                       | 6.660 | 6.655 | 6.677 | VV | 204       | 2181    | 0.03%  | 0.001% |  |
| 54                                       | 6.682 | 6.677 | 6.702 | VV | 200       | 2296    | 0.03%  | 0.001% |  |
| 55                                       | 6.732 | 6.702 | 6.791 | VV | 92030     | 954390  | 11.54% | 0.566% |  |
| 56                                       | 6.818 | 6.791 | 6.837 | VV | 707       | 10142   | 0.12%  | 0.006% |  |
| 57                                       | 6.853 | 6.837 | 6.868 | VV | 476       | 5542    | 0.07%  | 0.003% |  |
| 58                                       | 6.886 | 6.868 | 6.909 | VV | 1208      | 14279   | 0.17%  | 0.008% |  |
| 59                                       | 6.920 | 6.909 | 6.937 | VV | 374       | 3798    | 0.05%  | 0.002% |  |
| 60                                       | 6.960 | 6.937 | 6.985 | VV | 650       | 6928    | 0.08%  | 0.004% |  |
| 61                                       | 7.001 | 6.985 | 7.024 | PV | 180       | 2480    | 0.03%  | 0.001% |  |
| 62                                       | 7.065 | 7.037 | 7.090 | VV | 321       | 4878    | 0.06%  | 0.003% |  |
| 63                                       | 7.119 | 7.090 | 7.134 | VV | 303       | 4666    | 0.06%  | 0.003% |  |
| 64                                       | 7.137 | 7.134 | 7.166 | VV | 227       | 2021    | 0.02%  | 0.001% |  |
| 65                                       | 7.186 | 7.166 | 7.200 | VV | 607       | 7024    | 0.08%  | 0.004% |  |
| 66                                       | 7.217 | 7.200 | 7.248 | VV | 3223      | 47059   | 0.57%  | 0.028% |  |
| 67                                       | 7.268 | 7.248 | 7.324 | VV | 15632     | 172185  | 2.08%  | 0.102% |  |
| 68                                       | 7.366 | 7.324 | 7.441 | VV | 703659    | 6973837 | 84.30% | 4.139% |  |
| 69                                       | 7.453 | 7.441 | 7.466 | VV | 858       | 11485   | 0.14%  | 0.007% |  |
| 70                                       | 7.479 | 7.466 | 7.489 | VV | 659       | 8656    | 0.10%  | 0.005% |  |
| 71                                       | 7.503 | 7.489 | 7.517 | VV | 2090      | 22365   | 0.27%  | 0.013% |  |
| 72                                       | 7.534 | 7.517 | 7.549 | VV | 3129      | 38205   | 0.46%  | 0.023% |  |
| 73                                       | 7.565 | 7.549 | 7.580 | VV | 2926      | 36862   | 0.45%  | 0.022% |  |
| 74                                       | 7.591 | 7.580 | 7.626 | VV | 1976      | 30971   | 0.37%  | 0.018% |  |
| 75                                       | 7.642 | 7.626 | 7.660 | VV | 1887      | 22195   | 0.27%  | 0.013% |  |
| 76                                       | 7.676 | 7.660 | 7.699 | VV | 1455      | 18479   | 0.22%  | 0.011% |  |
| 77                                       | 7.715 | 7.699 | 7.720 | VV | 435       | 3771    | 0.05%  | 0.002% |  |
| 78                                       | 7.738 | 7.720 | 7.754 | VV | 973       | 13790   | 0.17%  | 0.008% |  |
| 79                                       | 7.768 | 7.754 | 7.799 | VV | 821       | 10845   | 0.13%  | 0.006% |  |
| 80                                       | 7.803 | 7.799 | 7.822 | VV | 117       | 1214    | 0.01%  | 0.001% |  |
| 81                                       | 7.852 | 7.822 | 7.877 | VV | 856       | 12084   | 0.15%  | 0.007% |  |
| 82                                       | 7.893 | 7.877 | 7.906 | VV | 412       | 5129    | 0.06%  | 0.003% |  |
| 83                                       | 7.911 | 7.906 | 7.923 | VV | 379       | 3215    | 0.04%  | 0.002% |  |
| 84                                       | 7.942 | 7.923 | 7.960 | VV | 1095      | 13202   | 0.16%  | 0.008% |  |
| 85                                       | 7.993 | 7.960 | 8.041 | VV | 728653    | 7174853 | 86.73% | 4.258% |  |
| 86                                       | 8.051 | 8.041 | 8.074 | VV | 1535      | 23829   | 0.29%  | 0.014% |  |
| 87                                       | 8.092 | 8.074 | 8.149 | VV | 1251      | 38405   | 0.46%  | 0.023% |  |
| 88                                       | 8.168 | 8.149 | 8.194 | VV | 522       | 9679    | 0.12%  | 0.006% |  |
| 89                                       | 8.210 | 8.194 | 8.229 | VV | 356       | 5190    | 0.06%  | 0.003% |  |

|     |        |        |        |    |        |         | Instrument :<br>FID_F                    |        | A |
|-----|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|     |        |        |        |    |        |         | ClientSampleId :<br>B-110-SB01MS         |        |   |
|     | rteres |        |        |    |        |         |                                          |        |   |
| 90  | 8.253  | 8.229  | 8.276  | VV | 774    | 10958   | 0.13%                                    | 0.007% | B |
| 91  | 8.293  | 8.276  | 8.298  | VV | 244    | 2549    | Manual IntegrationsAPPROVED              |        | C |
| 92  | 8.309  | 8.298  | 8.329  | VV | 321    | 4317    |                                          |        | D |
| 93  | 8.338  | 8.329  | 8.356  | VV | 278    | 3580    | Reviewed By :Yogesh Patel 01/29/2025     |        | E |
| 94  | 8.363  | 8.356  | 8.369  | VV | 194    | 1235    | Supervised By :Ankita Jodhani 01/29/2025 |        | F |
| 95  | 8.374  | 8.369  | 8.401  | VV | 153    | 2133    |                                          |        | G |
| 96  | 8.457  | 8.424  | 8.489  | VV | 507    | 9853    | 0.12%                                    | 0.006% | H |
| 97  | 8.494  | 8.489  | 8.523  | VV | 197    | 2522    | 0.03%                                    | 0.001% | I |
| 98  | 8.560  | 8.523  | 8.607  | VV | 96135  | 1008176 | 12.19%                                   | 0.598% | J |
| 99  | 8.624  | 8.607  | 8.633  | VV | 232    | 3011    | 0.04%                                    | 0.002% |   |
| 100 | 8.668  | 8.633  | 8.742  | VV | 777627 | 7852341 | 94.92%                                   | 4.660% |   |
| 101 | 8.752  | 8.742  | 8.779  | VV | 1202   | 20499   | 0.25%                                    | 0.012% |   |
| 102 | 8.794  | 8.779  | 8.824  | VV | 1104   | 19237   | 0.23%                                    | 0.011% |   |
| 103 | 8.829  | 8.824  | 8.833  | VV | 378    | 1960    | 0.02%                                    | 0.001% |   |
| 104 | 8.867  | 8.833  | 8.911  | VV | 448165 | 4587406 | 55.45%                                   | 2.722% |   |
| 105 | 8.919  | 8.911  | 8.935  | VV | 2374   | 30892   | 0.37%                                    | 0.018% |   |
| 106 | 8.968  | 8.935  | 9.041  | VV | 811390 | 8272601 | 100.00%                                  | 4.910% |   |
| 107 | 9.046  | 9.041  | 9.064  | VV | 1424   | 18750   | 0.23%                                    | 0.011% |   |
| 108 | 9.074  | 9.064  | 9.089  | VV | 1463   | 20360   | 0.25%                                    | 0.012% |   |
| 109 | 9.098  | 9.089  | 9.107  | VV | 1364   | 14224   | 0.17%                                    | 0.008% |   |
| 110 | 9.118  | 9.107  | 9.149  | VV | 1350   | 23250   | 0.28%                                    | 0.014% |   |
| 111 | 9.163  | 9.149  | 9.189  | VV | 700    | 13105   | 0.16%                                    | 0.008% |   |
| 112 | 9.197  | 9.189  | 9.204  | VV | 494    | 4153    | 0.05%                                    | 0.002% |   |
| 113 | 9.215  | 9.204  | 9.223  | VV | 652    | 6649    | 0.08%                                    | 0.004% |   |
| 114 | 9.242  | 9.223  | 9.260  | VV | 1527   | 21360   | 0.26%                                    | 0.013% |   |
| 115 | 9.287  | 9.260  | 9.334  | VV | 54763  | 610941  | 7.39%                                    | 0.363% |   |
| 116 | 9.339  | 9.334  | 9.348  | VV | 931    | 7119    | 0.09%                                    | 0.004% |   |
| 117 | 9.364  | 9.348  | 9.380  | VV | 1806   | 23183   | 0.28%                                    | 0.014% |   |
| 118 | 9.402  | 9.380  | 9.423  | VV | 1994   | 33564   | 0.41%                                    | 0.020% |   |
| 119 | 9.437  | 9.423  | 9.461  | VV | 1511   | 20389   | 0.25%                                    | 0.012% |   |
| 120 | 9.474  | 9.461  | 9.506  | VV | 603    | 7900    | 0.10%                                    | 0.005% |   |
| 121 | 9.523  | 9.506  | 9.556  | VV | 389    | 5959    | 0.07%                                    | 0.004% |   |
| 122 | 9.574  | 9.556  | 9.592  | VV | 555    | 7781    | 0.09%                                    | 0.005% |   |
| 123 | 9.607  | 9.592  | 9.657  | VV | 470    | 9522    | 0.12%                                    | 0.006% |   |
| 124 | 9.689  | 9.657  | 9.719  | VV | 416    | 9803    | 0.12%                                    | 0.006% |   |
| 125 | 9.757  | 9.719  | 9.876  | VV | 768528 | 8209112 | 99.23%                                   | 4.872% |   |
| 126 | 9.893  | 9.876  | 9.927  | VV | 767    | 18302   | 0.22%                                    | 0.011% |   |
| 127 | 9.966  | 9.927  | 9.992  | VV | 11738  | 142931  | 1.73%                                    | 0.085% |   |
| 128 | 10.001 | 9.992  | 10.009 | VV | 944    | 8361    | 0.10%                                    | 0.005% |   |
| 129 | 10.033 | 10.009 | 10.130 | VV | 38708  | 466253  | 5.64%                                    | 0.277% |   |
| 130 | 10.164 | 10.130 | 10.200 | VV | 92810  | 1028195 | 12.43%                                   | 0.610% |   |
| 131 | 10.205 | 10.200 | 10.223 | VV | 339    | 4425    | 0.05%                                    | 0.003% |   |
| 132 | 10.239 | 10.223 | 10.304 | VV | 411    | 12169   | 0.15%                                    | 0.007% |   |
| 133 | 10.319 | 10.304 | 10.327 | VV | 203    | 2257    | 0.03%                                    | 0.001% |   |
| 134 | 10.332 | 10.327 | 10.356 | VV | 207    | 2412    | 0.03%                                    | 0.001% |   |
| 135 | 10.366 | 10.356 | 10.384 | VV | 246    | 2891    | 0.03%                                    | 0.002% |   |
| 136 | 10.396 | 10.384 | 10.428 | VV | 239    | 3570    | 0.04%                                    | 0.002% |   |
| 137 | 10.442 | 10.428 | 10.461 | VV | 291    | 3542    | 0.04%                                    | 0.002% |   |
| 138 | 10.492 | 10.461 | 10.532 | VV | 454    | 11371   | 0.14%                                    | 0.007% |   |
| 139 | 10.557 | 10.532 | 10.575 | VV | 437    | 8106    | 0.10%                                    | 0.005% |   |
| 140 | 10.594 | 10.575 | 10.619 | VV | 462    | 8722    | 0.11%                                    | 0.005% |   |
| 141 | 10.625 | 10.619 | 10.661 | VV | 356    | 6976    | 0.08%                                    | 0.004% |   |

|     |        |        |        |    |        |                  |               |
|-----|--------|--------|--------|----|--------|------------------|---------------|
|     |        |        |        |    |        | Instrument :     |               |
|     |        |        |        |    |        | FID_F            |               |
|     |        |        |        |    |        | ClientSampleId : |               |
|     |        |        |        |    |        | B-110-SB01MS     |               |
| 142 | 10.685 | 10.661 | 10.707 | VV | 1093   | 14049            | 0.17% 0.008%  |
| 143 | 10.728 | 10.707 | 10.743 | VV | 316    | 4219             |               |
| 144 | 10.768 | 10.743 | 10.779 | VV | 386    | 5698             |               |
| 145 | 10.788 | 10.779 | 10.797 | VV | 490    | 3986             |               |
| 146 | 10.800 | 10.797 | 10.806 | VV | 371    | 2051             |               |
| 147 | 10.839 | 10.806 | 10.851 | VV | 587    | 12346            |               |
| 148 | 10.858 | 10.851 | 10.879 | VV | 577    | 7213             | 0.09% 0.004%  |
| 149 | 10.904 | 10.879 | 10.934 | VV | 521    | 12891            | 0.16% 0.008%  |
| 150 | 10.962 | 10.934 | 11.005 | VV | 5710   | 77785            | 0.94% 0.046%  |
| 151 | 11.035 | 11.005 | 11.071 | VV | 1096   | 21979            | 0.27% 0.013%  |
| 152 | 11.077 | 11.071 | 11.082 | VV | 175    | 1031             | 0.01% 0.001%  |
| 153 | 11.162 | 11.082 | 11.204 | VV | 717806 | 8085177          | 97.73% 4.798% |
| 154 | 11.238 | 11.204 | 11.301 | VV | 714081 | 8052998          | 97.35% 4.779% |
| 155 | 11.308 | 11.301 | 11.378 | VV | 2115   | 59274            | 0.72% 0.035%  |
| 156 | 11.383 | 11.378 | 11.390 | VV | 647    | 3856             | 0.05% 0.002%  |
| 157 | 11.413 | 11.390 | 11.434 | VV | 694    | 13821            | 0.17% 0.008%  |
| 158 | 11.456 | 11.434 | 11.493 | VV | 1968   | 34273            | 0.41% 0.020%  |
| 159 | 11.498 | 11.493 | 11.514 | VV | 382    | 4144             | 0.05% 0.002%  |
| 160 | 11.541 | 11.514 | 11.564 | VV | 745    | 13540            | 0.16% 0.008%  |
| 161 | 11.608 | 11.564 | 11.645 | VV | 89650  | 1030829          | 12.46% 0.612% |
| 162 | 11.654 | 11.645 | 11.659 | VV | 393    | 2885             | 0.03% 0.002%  |
| 163 | 11.686 | 11.659 | 11.727 | VV | 790    | 17332            | 0.21% 0.010%  |
| 164 | 11.733 | 11.727 | 11.745 | VV | 170    | 1166             | 0.01% 0.001%  |
| 165 | 11.770 | 11.745 | 11.784 | VV | 396    | 4586             | 0.06% 0.003%  |
| 166 | 11.803 | 11.784 | 11.835 | PV | 328    | 4872             | 0.06% 0.003%  |
| 167 | 11.843 | 11.835 | 11.858 | VV | 126    | 1053             | 0.01% 0.001%  |
| 168 | 11.930 | 11.858 | 11.982 | PV | 549537 | 6098525          | 73.72% 3.619% |
| 169 | 11.999 | 11.982 | 12.010 | VV | 885    | 12537            | 0.15% 0.007%  |
| 170 | 12.027 | 12.010 | 12.049 | VV | 1244   | 20009            | 0.24% 0.012%  |
| 171 | 12.063 | 12.049 | 12.106 | VV | 1088   | 28907            | 0.35% 0.017%  |
| 172 | 12.110 | 12.106 | 12.127 | VV | 771    | 7925             | 0.10% 0.005%  |
| 173 | 12.137 | 12.127 | 12.187 | VV | 770    | 15089            | 0.18% 0.009%  |
| 174 | 12.271 | 12.187 | 12.301 | VV | 837    | 33631            | 0.41% 0.020%  |
| 175 | 12.331 | 12.301 | 12.357 | VV | 7305   | 93213            | 1.13% 0.055%  |
| 176 | 12.373 | 12.357 | 12.394 | VV | 825    | 11529            | 0.14% 0.007%  |
| 177 | 12.416 | 12.394 | 12.427 | VV | 384    | 5807             | 0.07% 0.003%  |
| 178 | 12.440 | 12.427 | 12.467 | VV | 438    | 7317             | 0.09% 0.004%  |
| 179 | 12.495 | 12.467 | 12.502 | VV | 864    | 12580            | 0.15% 0.007%  |
| 180 | 12.524 | 12.502 | 12.596 | VV | 5923   | 102060           | 1.23% 0.061%  |
| 181 | 12.604 | 12.596 | 12.617 | VV | 614    | 6510             | 0.08% 0.004%  |
| 182 | 12.641 | 12.617 | 12.646 | VV | 646    | 9453             | 0.11% 0.006%  |
| 183 | 12.652 | 12.646 | 12.677 | VV | 657    | 10623            | 0.13% 0.006%  |
| 184 | 12.683 | 12.677 | 12.692 | VV | 511    | 4288             | 0.05% 0.003%  |
| 185 | 12.696 | 12.692 | 12.700 | VV | 534    | 2191             | 0.03% 0.001%  |
| 186 | 12.713 | 12.700 | 12.727 | VV | 521    | 7487             | 0.09% 0.004%  |
| 187 | 12.780 | 12.727 | 12.830 | VV | 2642   | 53138            | 0.64% 0.032%  |
| 188 | 12.857 | 12.830 | 12.882 | VV | 1119   | 18845            | 0.23% 0.011%  |
| 189 | 12.919 | 12.882 | 12.947 | VV | 88738  | 1073402          | 12.98% 0.637% |
| 190 | 12.985 | 12.947 | 13.098 | VV | 686548 | 7962928          | 96.26% 4.726% |
| 191 | 13.110 | 13.098 | 13.137 | VV | 512    | 9706             | 0.12% 0.006%  |
| 192 | 13.164 | 13.137 | 13.234 | VV | 5433   | 79421            | 0.96% 0.047%  |
| 193 | 13.283 | 13.234 | 13.312 | VV | 649101 | 7806761          | 94.37% 4.633% |
| 194 | 13.332 | 13.312 | 13.339 | VV | 7930   | 92205            | 1.11% 0.055%  |

|     |        |        |        |    |        |         |                                  |        |
|-----|--------|--------|--------|----|--------|---------|----------------------------------|--------|
|     |        |        |        |    |        |         | Instrument :<br>FID_F            |        |
|     |        |        |        |    |        |         | ClientSampleId :<br>B-110-SB01MS |        |
| 195 | 13.365 | 13.339 | 13.402 | VV | 110178 | 1414821 | 17.10%                           | 0.840% |
| 196 | 13.406 | 13.402 | 13.461 | VV | 959    | 22286   | Manual IntegrationsAPPROVED      |        |
| 197 | 13.466 | 13.461 | 13.498 | VV | 456    | 9296    |                                  |        |
| 198 | 13.531 | 13.498 | 13.565 | VV | 79636  | 991404  |                                  |        |
| 199 | 13.586 | 13.565 | 13.643 | VV | 4076   | 80605   |                                  |        |
| 200 | 13.647 | 13.643 | 13.697 | VV | 703    | 16258   |                                  |        |
| 201 | 13.759 | 13.697 | 13.796 | VV | 2621   | 59230   | 0.72%                            | 0.035% |
| 202 | 13.799 | 13.796 | 13.847 | VV | 805    | 17348   | 0.21%                            | 0.010% |
| 203 | 13.869 | 13.847 | 13.886 | VV | 395    | 7404    | 0.09%                            | 0.004% |
| 204 | 13.910 | 13.886 | 13.923 | VV | 478    | 8175    | 0.10%                            | 0.005% |
| 205 | 13.935 | 13.923 | 13.952 | VV | 554    | 7962    | 0.10%                            | 0.005% |
| 206 | 13.955 | 13.952 | 13.970 | VV | 409    | 4271    | 0.05%                            | 0.003% |
| 207 | 13.979 | 13.970 | 14.014 | VV | 502    | 9610    | 0.12%                            | 0.006% |
| 208 | 14.023 | 14.014 | 14.039 | VV | 280    | 3596    | 0.04%                            | 0.002% |
| 209 | 14.071 | 14.039 | 14.089 | VV | 3573   | 48343   | 0.58%                            | 0.029% |
| 210 | 14.119 | 14.089 | 14.192 | VV | 77014  | 970839  | 11.74%                           | 0.576% |
| 211 | 14.225 | 14.192 | 14.262 | VV | 368    | 8405    | 0.10%                            | 0.005% |
| 212 | 14.279 | 14.262 | 14.286 | VV | 232    | 2031    | 0.02%                            | 0.001% |
| 213 | 14.352 | 14.301 | 14.360 | VV | 215    | 5065    | 0.06%                            | 0.003% |
| 214 | 14.366 | 14.360 | 14.402 | VV | 185    | 2699    | 0.03%                            | 0.002% |
| 215 | 14.407 | 14.402 | 14.430 | VV | 131    | 1465    | 0.02%                            | 0.001% |
| 216 | 14.459 | 14.430 | 14.474 | PV | 261    | 3523    | 0.04%                            | 0.002% |
| 217 | 14.478 | 14.474 | 14.488 | VV | 175    | 1095    | 0.01%                            | 0.001% |
| 218 | 14.512 | 14.488 | 14.531 | VV | 568    | 8934    | 0.11%                            | 0.005% |
| 219 | 14.557 | 14.531 | 14.616 | VV | 1548   | 29726   | 0.36%                            | 0.018% |
| 220 | 14.619 | 14.616 | 14.628 | VV | 234    | 1289    | 0.02%                            | 0.001% |
| 221 | 14.638 | 14.634 | 14.666 | VV | 248    | 3069    | 0.04%                            | 0.002% |
| 222 | 14.685 | 14.666 | 14.701 | VV | 343    | 4933    | 0.06%                            | 0.003% |
| 223 | 14.725 | 14.712 | 14.728 | VV | 195    | 1568    | 0.02%                            | 0.001% |
| 224 | 14.749 | 14.728 | 14.772 | VV | 440    | 7800    | 0.09%                            | 0.005% |
| 225 | 14.787 | 14.772 | 14.809 | VV | 463    | 6787    | 0.08%                            | 0.004% |
| 226 | 14.820 | 14.809 | 14.825 | VV | 325    | 3027    | 0.04%                            | 0.002% |
| 227 | 14.852 | 14.825 | 14.876 | VV | 413    | 8417    | 0.10%                            | 0.005% |
| 228 | 14.886 | 14.876 | 14.924 | VV | 221    | 4171    | 0.05%                            | 0.002% |
| 229 | 14.929 | 14.924 | 14.960 | VV | 181    | 2797    | 0.03%                            | 0.002% |
| 230 | 14.999 | 14.960 | 15.018 | VV | 311    | 6628    | 0.08%                            | 0.004% |
| 231 | 15.027 | 15.018 | 15.043 | VV | 320    | 3956    | 0.05%                            | 0.002% |
| 232 | 15.062 | 15.043 | 15.104 | VV | 735    | 12620   | 0.15%                            | 0.007% |
| 233 | 15.164 | 15.112 | 15.184 | VV | 527679 | 7190653 | 86.92%                           | 4.267% |
| 234 | 15.210 | 15.184 | 15.255 | VV | 612753 | 8107024 | 98.00%                           | 4.811% |
| 235 | 15.265 | 15.255 | 15.336 | VV | 2340   | 52121   | 0.63%                            | 0.031% |
| 236 | 15.340 | 15.336 | 15.346 | VV | 484    | 2397    | 0.03%                            | 0.001% |
| 237 | 15.350 | 15.346 | 15.372 | VV | 420    | 5335    | 0.06%                            | 0.003% |
| 238 | 15.402 | 15.372 | 15.414 | VV | 792    | 11816   | 0.14%                            | 0.007% |
| 239 | 15.427 | 15.414 | 15.479 | VV | 420    | 10673   | 0.13%                            | 0.006% |
| 240 | 15.481 | 15.479 | 15.493 | VV | 209    | 1451    | 0.02%                            | 0.001% |
| 241 | 15.520 | 15.493 | 15.558 | VV | 673    | 12906   | 0.16%                            | 0.008% |
| 242 | 15.600 | 15.566 | 15.682 | VV | 16727  | 281292  | 3.40%                            | 0.167% |
| 243 | 15.685 | 15.682 | 15.699 | VV | 608    | 5295    | 0.06%                            | 0.003% |
| 244 | 15.705 | 15.699 | 15.726 | VV | 518    | 6926    | 0.08%                            | 0.004% |
| 245 | 15.761 | 15.726 | 15.790 | VV | 1700   | 31768   | 0.38%                            | 0.019% |
| 246 | 15.803 | 15.790 | 15.829 | VV | 383    | 6745    | 0.08%                            | 0.004% |

|                                          |        |        |        |    |        |         |        |        |  |
|------------------------------------------|--------|--------|--------|----|--------|---------|--------|--------|--|
| Instrument : FID_F                       |        |        |        |    |        |         |        |        |  |
| ClientSampleId : B-110-SB01MS            |        |        |        |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 01/29/2025     |        |        |        |    |        |         |        |        |  |
| Supervised By :Ankita Jodhani 01/29/2025 |        |        |        |    |        |         |        |        |  |
|                                          |        |        |        |    | rters  |         |        |        |  |
| 247                                      | 15.842 | 15.829 | 15.853 | VV | 292    | 3472    | 0.04%  | 0.002% |  |
| 248                                      | 15.867 | 15.853 | 15.935 | VV | 355    | 11410   |        |        |  |
| 249                                      | 15.954 | 15.935 | 15.979 | VV | 396    | 7093    |        |        |  |
| 250                                      | 15.987 | 15.979 | 15.994 | VV | 179    | 1243    |        |        |  |
| 251                                      | 16.008 | 16.004 | 16.015 | VV | 240    | 1313    |        |        |  |
| 252                                      | 16.024 | 16.015 | 16.036 | VV | 229    | 2328    |        |        |  |
| 253                                      | 16.053 | 16.036 | 16.057 | VV | 259    | 2975    | 0.04%  | 0.002% |  |
| 254                                      | 16.077 | 16.057 | 16.101 | VV | 637    | 11289   | 0.14%  | 0.007% |  |
| 255                                      | 16.104 | 16.101 | 16.110 | VV | 713    | 2423    | 0.03%  | 0.001% |  |
| 256                                      | 16.121 | 16.110 | 16.144 | VV | 523    | 8342    | 0.10%  | 0.005% |  |
| 257                                      | 16.163 | 16.144 | 16.170 | VV | 289    | 3820    | 0.05%  | 0.002% |  |
| 258                                      | 16.177 | 16.170 | 16.184 | VV | 311    | 2230    | 0.03%  | 0.001% |  |
| 259                                      | 16.248 | 16.184 | 16.284 | VV | 65982  | 882737  | 10.67% | 0.524% |  |
| 260                                      | 16.301 | 16.284 | 16.346 | VV | 490    | 8092    | 0.10%  | 0.005% |  |
| 261                                      | 16.361 | 16.346 | 16.372 | VV | 105    | 1078    | 0.01%  | 0.001% |  |
| 262                                      | 16.389 | 16.372 | 16.416 | VV | 243    | 3128    | 0.04%  | 0.002% |  |
| 263                                      | 16.431 | 16.427 | 16.458 | VV | 187    | 1725    | 0.02%  | 0.001% |  |
| 264                                      | 16.480 | 16.458 | 16.513 | VV | 262    | 4665    | 0.06%  | 0.003% |  |
| 265                                      | 16.618 | 16.579 | 16.668 | VV | 1320   | 26432   | 0.32%  | 0.016% |  |
| 266                                      | 16.725 | 16.668 | 16.740 | VV | 448723 | 7063902 | 85.39% | 4.192% |  |
| 267                                      | 16.761 | 16.740 | 16.795 | VV | 569081 | 7036349 | 85.06% | 4.176% |  |
| 268                                      | 16.811 | 16.795 | 16.840 | VV | 2828   | 47841   | 0.58%  | 0.028% |  |
| 269                                      | 16.864 | 16.840 | 16.907 | VV | 1828   | 41391   | 0.50%  | 0.025% |  |
| 270                                      | 16.912 | 16.907 | 16.943 | VV | 729    | 11842   | 0.14%  | 0.007% |  |
| 271                                      | 16.968 | 16.943 | 17.006 | VV | 2250   | 34956   | 0.42%  | 0.021% |  |
| 272                                      | 17.039 | 17.006 | 17.045 | VV | 471    | 7423    | 0.09%  | 0.004% |  |
| 273                                      | 17.048 | 17.045 | 17.055 | VV | 379    | 2287    | 0.03%  | 0.001% |  |
| 274                                      | 17.108 | 17.055 | 17.161 | VV | 498111 | 6773203 | 81.88% | 4.020% |  |
| 275                                      | 17.196 | 17.161 | 17.230 | VV | 64542  | 919527  | 11.12% | 0.546% |  |
| 276                                      | 17.247 | 17.230 | 17.332 | VV | 2073   | 42064   | 0.51%  | 0.025% |  |
| 277                                      | 17.335 | 17.332 | 17.361 | VV | 161    | 1611    | 0.02%  | 0.001% |  |
| 278                                      | 17.386 | 17.373 | 17.411 | VV | 140    | 1773    | 0.02%  | 0.001% |  |
| 279                                      | 17.439 | 17.411 | 17.454 | VV | 174    | 1758    | 0.02%  | 0.001% |  |
| 280                                      | 17.488 | 17.454 | 17.499 | PV | 133    | 2046    | 0.02%  | 0.001% |  |
| 281                                      | 17.530 | 17.499 | 17.546 | VV | 439    | 7586    | 0.09%  | 0.005% |  |
| 282                                      | 17.565 | 17.546 | 17.590 | VV | 634    | 12596   | 0.15%  | 0.007% |  |
| 283                                      | 17.599 | 17.590 | 17.614 | VV | 464    | 5334    | 0.06%  | 0.003% |  |
| 284                                      | 17.618 | 17.614 | 17.622 | VV | 362    | 1756    | 0.02%  | 0.001% |  |
| 285                                      | 17.648 | 17.622 | 17.690 | VV | 1539   | 26761   | 0.32%  | 0.016% |  |
| 286                                      | 17.737 | 17.707 | 17.795 | PV | 456    | 12461   | 0.15%  | 0.007% |  |
| 287                                      | 17.817 | 17.795 | 17.852 | VV | 322    | 7079    | 0.09%  | 0.004% |  |
| 288                                      | 17.868 | 17.852 | 17.879 | VV | 172    | 2075    | 0.03%  | 0.001% |  |
| 289                                      | 17.886 | 17.879 | 17.897 | VV | 169    | 1237    | 0.01%  | 0.001% |  |
| 290                                      | 17.915 | 17.897 | 17.924 | VV | 138    | 1822    | 0.02%  | 0.001% |  |
| 291                                      | 17.982 | 17.924 | 18.002 | VV | 762    | 16618   | 0.20%  | 0.010% |  |
| 292                                      | 18.007 | 18.002 | 18.027 | VV | 241    | 2889    | 0.03%  | 0.002% |  |
| 293                                      | 18.088 | 18.027 | 18.126 | VV | 60344  | 831386  | 10.05% | 0.493% |  |
| 294                                      | 18.177 | 18.126 | 18.220 | VV | 2187   | 36281   | 0.44%  | 0.022% |  |
| 295                                      | 18.258 | 18.220 | 18.296 | VV | 288    | 7862    | 0.10%  | 0.005% |  |
| 296                                      | 18.319 | 18.296 | 18.344 | PV | 258    | 3305    | 0.04%  | 0.002% |  |
| 297                                      | 18.368 | 18.344 | 18.390 | PV | 413    | 5715    | 0.07%  | 0.003% |  |
| 298                                      | 18.481 | 18.390 | 18.497 | PV | 462135 | 7363170 | 89.01% | 4.370% |  |
| 299                                      | 18.519 | 18.497 | 18.684 | VV | 489833 | 6632408 | 80.17% | 3.936% |  |

300 18.740 18.684 18.801 PBA 485243 7006471 84.69% 4.158%

Sum of corrected areas: 1685

Aromatic EPH 011425.M Wed Jan 29 02:05:23 2025

Instrument :  
FID\_F  
ClientSampleId :  
B-110-SB01MS

Manual IntegrationsAPPROVED  
Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015191.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 19:40  
 Operator : YP\AJ  
 Sample : Q1194-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 B-110-SB01MS

Integration File: autoint1.e  
 Quant Time: Jan 29 02:37:12 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.385 | 4847143    | 39.808 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 79.62%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.281  | 3730914    | 28.736 ug/ml |
| 2) T n-Decane (C10)            | 4.541  | 4756590    | 35.793 ug/ml |
| 4) T n-Dodecane (C12)          | 6.722  | 5612876    | 41.289 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.559  | 6290182    | 45.739 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.174 | 6712000    | 46.323 ug/ml |
| 8) T n-Octadecane (C18)        | 11.624 | 6948170    | 46.749 ug/ml |
| 10) T n-Eicosane (C20)         | 12.940 | 7125441    | 49.642 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.555 | 6818547    | 48.224 ug/ml |
| 13) T n-Docosane (C22)         | 14.143 | 6772241    | 48.166 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.251 | 6619118    | 47.557 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.276 | 6410510    | 47.328 ug/ml |
| 16) T n-Octacosane (C28)       | 17.229 | 6194656    | 47.073 ug/ml |
| 17) T n-Tricontane (C30)       | 18.118 | 6124531    | 46.168 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.954 | 5922884    | 46.961 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.739 | 5666885    | 52.046 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.480 | 5273947    | 56.489 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.229 | 4972769    | 56.667 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.168 | 4716890    | 55.648 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

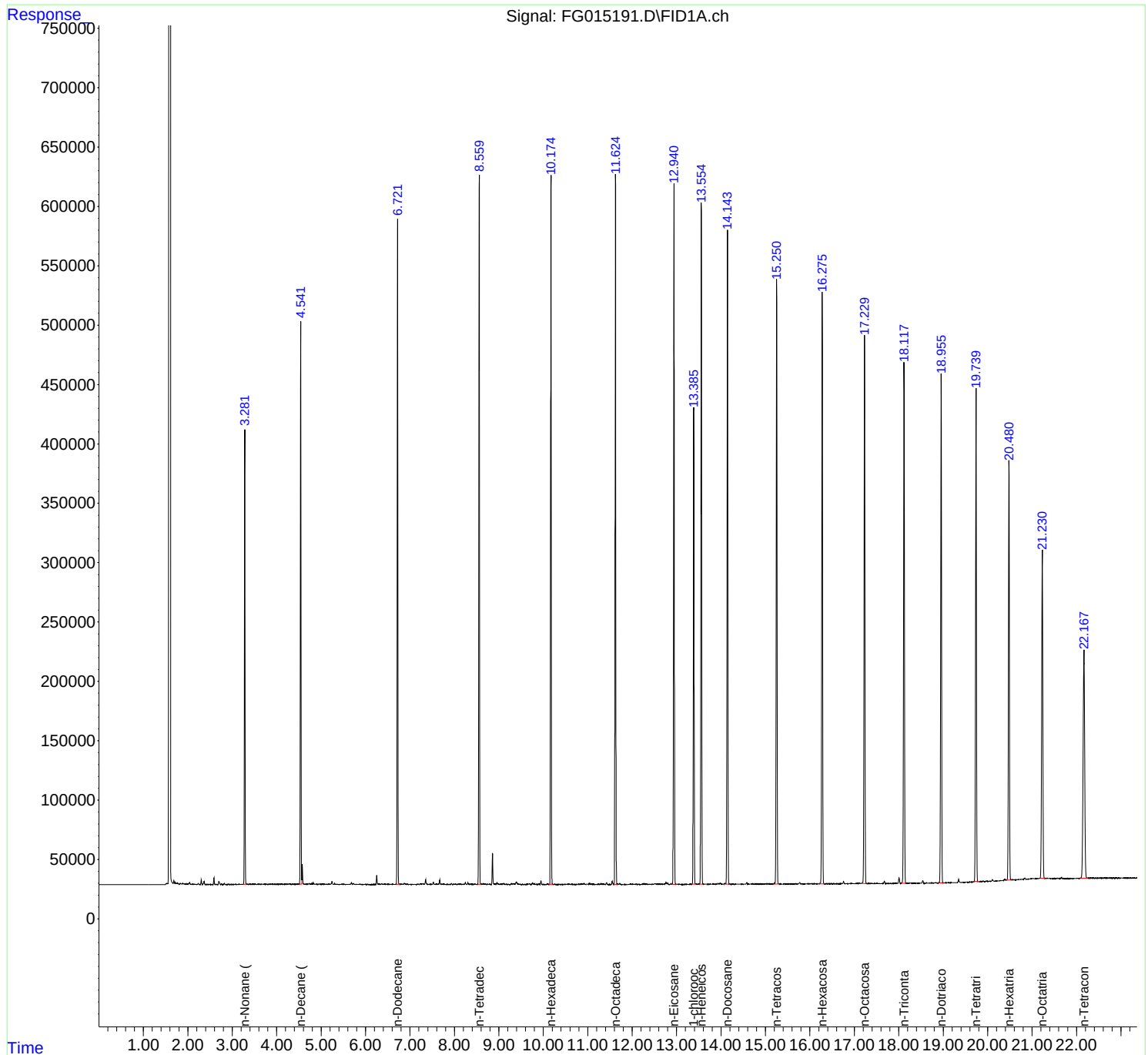


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015191.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 19:40  
Operator : YP\AJ  
Sample : Q1194-01MS  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB01MS

Integration File: autoint1.e  
Quant Time: Jan 29 02:37:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015191.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 19:40  
 Sample : Q1194-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.281       | 3.222        | 3.382      | BV       | 383525         | 3740095      | 52.44%         | 3.235%        |
| 2         | 3.395       | 3.382        | 3.404      | VV       | 115            | 1273         | 0.02%          | 0.001%        |
| 3         | 3.428       | 3.404        | 3.442      | VV       | 270            | 3594         | 0.05%          | 0.003%        |
| 4         | 3.455       | 3.442        | 3.485      | VV       | 165            | 3246         | 0.05%          | 0.003%        |
| 5         | 3.494       | 3.485        | 3.514      | VV       | 173            | 2629         | 0.04%          | 0.002%        |
| 6         | 3.525       | 3.514        | 3.552      | VV       | 214            | 3068         | 0.04%          | 0.003%        |
| 7         | 3.565       | 3.552        | 3.579      | VV       | 142            | 1845         | 0.03%          | 0.002%        |
| 8         | 3.598       | 3.579        | 3.608      | VV       | 294            | 3258         | 0.05%          | 0.003%        |
| 9         | 3.618       | 3.608        | 3.642      | VV       | 299            | 4290         | 0.06%          | 0.004%        |
| 10        | 3.656       | 3.642        | 3.668      | VV       | 345            | 3906         | 0.05%          | 0.003%        |
| 11        | 3.674       | 3.668        | 3.710      | VV       | 259            | 3540         | 0.05%          | 0.003%        |
| 12        | 3.730       | 3.710        | 3.744      | VV       | 187            | 2529         | 0.04%          | 0.002%        |
| 13        | 3.762       | 3.744        | 3.836      | VV       | 454            | 7812         | 0.11%          | 0.007%        |
| 14        | 3.877       | 3.836        | 3.908      | VV       | 410            | 6909         | 0.10%          | 0.006%        |
| 15        | 3.914       | 3.908        | 3.940      | VV       | 112            | 1501         | 0.02%          | 0.001%        |
| 16        | 3.965       | 3.940        | 4.034      | VV       | 189            | 5978         | 0.08%          | 0.005%        |
| 17        | 4.080       | 4.034        | 4.098      | VV       | 333            | 5938         | 0.08%          | 0.005%        |
| 18        | 4.113       | 4.098        | 4.152      | VV       | 651            | 8610         | 0.12%          | 0.007%        |
| 19        | 4.191       | 4.152        | 4.232      | VV       | 278            | 6667         | 0.09%          | 0.006%        |
| 20        | 4.283       | 4.232        | 4.343      | VV       | 560            | 16950        | 0.24%          | 0.015%        |
| 21        | 4.377       | 4.343        | 4.417      | VV       | 189            | 6305         | 0.09%          | 0.005%        |
| 22        | 4.449       | 4.417        | 4.465      | VV       | 249            | 5299         | 0.07%          | 0.005%        |
| 23        | 4.487       | 4.465        | 4.505      | VV       | 209            | 4286         | 0.06%          | 0.004%        |
| 24        | 4.541       | 4.505        | 4.565      | VV       | 475595         | 4767251      | 66.85%         | 4.123%        |
| 25        | 4.577       | 4.565        | 4.645      | VV       | 16889          | 171817       | 2.41%          | 0.149%        |
| 26        | 4.668       | 4.645        | 4.702      | VV       | 414            | 8722         | 0.12%          | 0.008%        |
| 27        | 4.730       | 4.702        | 4.750      | VV       | 852            | 12282        | 0.17%          | 0.011%        |
| 28        | 4.760       | 4.750        | 4.773      | VV       | 326            | 3642         | 0.05%          | 0.003%        |
| 29        | 4.793       | 4.773        | 4.809      | VV       | 712            | 9040         | 0.13%          | 0.008%        |
| 30        | 4.827       | 4.809        | 4.875      | VV       | 1335           | 19963        | 0.28%          | 0.017%        |
| 31        | 4.886       | 4.875        | 4.895      | VV       | 262            | 2891         | 0.04%          | 0.003%        |
| 32        | 4.906       | 4.895        | 4.942      | VV       | 285            | 6533         | 0.09%          | 0.006%        |
| 33        | 4.955       | 4.942        | 4.971      | VV       | 273            | 4368         | 0.06%          | 0.004%        |
| 34        | 5.011       | 4.971        | 5.024      | VV       | 260            | 6561         | 0.09%          | 0.006%        |
| 35        | 5.043       | 5.024        | 5.140      | VV       | 282            | 11906        | 0.17%          | 0.010%        |
| 36        | 5.160       | 5.140        | 5.197      | VV       | 274            | 5721         | 0.08%          | 0.005%        |

|    |       |       |       |    | rt     | Area    | Area%  | Height% |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 5.245 | 5.197 | 5.281 | VV | 2646   | 39251   | 0.55%  | 0.034%  |
| 38 | 5.307 | 5.281 | 5.342 | VV | 608    | 9499    | 0.13%  | 0.008%  |
| 39 | 5.356 | 5.342 | 5.422 | VV | 172    | 4712    | 0.07%  | 0.004%  |
| 40 | 5.453 | 5.422 | 5.472 | VV | 238    | 4033    | 0.06%  | 0.003%  |
| 41 | 5.494 | 5.472 | 5.538 | VV | 256    | 6089    | 0.09%  | 0.005%  |
| 42 | 5.585 | 5.538 | 5.611 | VV | 160    | 5255    | 0.07%  | 0.005%  |
| 43 | 5.622 | 5.611 | 5.632 | VV | 156    | 1513    | 0.02%  | 0.001%  |
| 44 | 5.648 | 5.632 | 5.659 | VV | 215    | 2180    | 0.03%  | 0.002%  |
| 45 | 5.684 | 5.659 | 5.707 | VV | 1780   | 21094   | 0.30%  | 0.018%  |
| 46 | 5.728 | 5.707 | 5.775 | VV | 950    | 13801   | 0.19%  | 0.012%  |
| 47 | 5.788 | 5.775 | 5.805 | VV | 277    | 3331    | 0.05%  | 0.003%  |
| 48 | 5.817 | 5.805 | 5.844 | VV | 147    | 2817    | 0.04%  | 0.002%  |
| 49 | 5.869 | 5.844 | 5.908 | VV | 213    | 5535    | 0.08%  | 0.005%  |
| 50 | 5.914 | 5.908 | 5.930 | VV | 116    | 1137    | 0.02%  | 0.001%  |
| 51 | 5.998 | 5.930 | 6.018 | VV | 203    | 5413    | 0.08%  | 0.005%  |
| 52 | 6.027 | 6.018 | 6.062 | VV | 91     | 1651    | 0.02%  | 0.001%  |
| 53 | 6.070 | 6.062 | 6.105 | VV | 92     | 2058    | 0.03%  | 0.002%  |
| 54 | 6.115 | 6.105 | 6.152 | VV | 84     | 1392    | 0.02%  | 0.001%  |
| 55 | 6.170 | 6.152 | 6.222 | PV | 93     | 2049    | 0.03%  | 0.002%  |
| 56 | 6.252 | 6.222 | 6.299 | VV | 7766   | 86887   | 1.22%  | 0.075%  |
| 57 | 6.319 | 6.299 | 6.341 | VV | 407    | 7143    | 0.10%  | 0.006%  |
| 58 | 6.363 | 6.341 | 6.392 | VV | 756    | 11217   | 0.16%  | 0.010%  |
| 59 | 6.403 | 6.392 | 6.410 | VV | 204    | 2108    | 0.03%  | 0.002%  |
| 60 | 6.430 | 6.410 | 6.463 | VV | 476    | 8909    | 0.12%  | 0.008%  |
| 61 | 6.504 | 6.463 | 6.578 | VV | 357    | 15116   | 0.21%  | 0.013%  |
| 62 | 6.604 | 6.578 | 6.667 | VV | 292    | 8950    | 0.13%  | 0.008%  |
| 63 | 6.721 | 6.667 | 6.785 | VV | 561433 | 5629991 | 78.94% | 4.869%  |
| 64 | 6.807 | 6.785 | 6.826 | VV | 616    | 9243    | 0.13%  | 0.008%  |
| 65 | 6.844 | 6.826 | 6.856 | VV | 379    | 5175    | 0.07%  | 0.004%  |
| 66 | 6.875 | 6.856 | 6.896 | VV | 1159   | 14518   | 0.20%  | 0.013%  |
| 67 | 6.908 | 6.896 | 6.932 | VV | 400    | 5191    | 0.07%  | 0.004%  |
| 68 | 6.950 | 6.932 | 6.971 | VV | 475    | 6229    | 0.09%  | 0.005%  |
| 69 | 7.008 | 6.971 | 7.025 | VV | 147    | 3965    | 0.06%  | 0.003%  |
| 70 | 7.049 | 7.025 | 7.072 | VV | 255    | 4429    | 0.06%  | 0.004%  |
| 71 | 7.088 | 7.072 | 7.151 | VV | 196    | 6671    | 0.09%  | 0.006%  |
| 72 | 7.177 | 7.151 | 7.207 | VV | 561    | 8256    | 0.12%  | 0.007%  |
| 73 | 7.232 | 7.207 | 7.248 | VV | 721    | 10505   | 0.15%  | 0.009%  |
| 74 | 7.256 | 7.248 | 7.269 | VV | 539    | 5686    | 0.08%  | 0.005%  |
| 75 | 7.294 | 7.269 | 7.325 | VV | 625    | 13699   | 0.19%  | 0.012%  |
| 76 | 7.354 | 7.325 | 7.386 | VV | 4251   | 55394   | 0.78%  | 0.048%  |
| 77 | 7.398 | 7.386 | 7.421 | VV | 386    | 6163    | 0.09%  | 0.005%  |
| 78 | 7.444 | 7.421 | 7.483 | VV | 411    | 9753    | 0.14%  | 0.008%  |
| 79 | 7.527 | 7.483 | 7.562 | VV | 2080   | 27918   | 0.39%  | 0.024%  |
| 80 | 7.603 | 7.562 | 7.620 | VV | 324    | 8632    | 0.12%  | 0.007%  |
| 81 | 7.636 | 7.620 | 7.647 | VV | 492    | 5446    | 0.08%  | 0.005%  |
| 82 | 7.670 | 7.647 | 7.696 | VV | 3815   | 43735   | 0.61%  | 0.038%  |
| 83 | 7.705 | 7.696 | 7.717 | VV | 254    | 2676    | 0.04%  | 0.002%  |
| 84 | 7.734 | 7.717 | 7.750 | VV | 396    | 5681    | 0.08%  | 0.005%  |
| 85 | 7.763 | 7.750 | 7.783 | VV | 499    | 6161    | 0.09%  | 0.005%  |
| 86 | 7.793 | 7.783 | 7.808 | VV | 174    | 2176    | 0.03%  | 0.002%  |
| 87 | 7.844 | 7.808 | 7.908 | VV | 293    | 10776   | 0.15%  | 0.009%  |
| 88 | 7.937 | 7.908 | 7.968 | VV | 877    | 12201   | 0.17%  | 0.011%  |
| 89 | 7.986 | 7.968 | 7.995 | VV | 266    | 3020    | 0.04%  | 0.003%  |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 8.009  | 7.995  | 8.055  | VV | 304    | 8253    | 0.12%  | 0.007% |
| 91  | 8.102  | 8.055  | 8.119  | VV | 345    | 8402    | 0.12%  | 0.007% |
| 92  | 8.134  | 8.119  | 8.148  | VV | 438    | 5817    | 0.08%  | 0.005% |
| 93  | 8.160  | 8.148  | 8.184  | VV | 367    | 5703    | 0.08%  | 0.005% |
| 94  | 8.202  | 8.184  | 8.228  | VV | 505    | 7320    | 0.10%  | 0.006% |
| 95  | 8.247  | 8.228  | 8.273  | VV | 1752   | 21482   | 0.30%  | 0.019% |
| 96  | 8.304  | 8.273  | 8.326  | VV | 1461   | 18354   | 0.26%  | 0.016% |
| 97  | 8.341  | 8.326  | 8.361  | VV | 303    | 4973    | 0.07%  | 0.004% |
| 98  | 8.375  | 8.361  | 8.395  | VV | 511    | 5957    | 0.08%  | 0.005% |
| 99  | 8.407  | 8.395  | 8.440  | VV | 275    | 5252    | 0.07%  | 0.005% |
| 100 | 8.461  | 8.440  | 8.486  | VV | 744    | 9993    | 0.14%  | 0.009% |
| 101 | 8.495  | 8.486  | 8.521  | VV | 208    | 3833    | 0.05%  | 0.003% |
| 102 | 8.559  | 8.521  | 8.632  | VV | 592777 | 6307742 | 88.45% | 5.455% |
| 103 | 8.658  | 8.632  | 8.688  | VV | 806    | 16669   | 0.23%  | 0.014% |
| 104 | 8.706  | 8.688  | 8.727  | VV | 497    | 7387    | 0.10%  | 0.006% |
| 105 | 8.754  | 8.727  | 8.778  | VV | 424    | 8008    | 0.11%  | 0.007% |
| 106 | 8.792  | 8.778  | 8.821  | VV | 565    | 7457    | 0.10%  | 0.006% |
| 107 | 8.858  | 8.821  | 8.933  | VV | 26044  | 281991  | 3.95%  | 0.244% |
| 108 | 8.959  | 8.933  | 8.998  | VV | 1897   | 28414   | 0.40%  | 0.025% |
| 109 | 9.018  | 8.998  | 9.036  | VV | 452    | 8630    | 0.12%  | 0.007% |
| 110 | 9.051  | 9.036  | 9.078  | VV | 536    | 9104    | 0.13%  | 0.008% |
| 111 | 9.100  | 9.078  | 9.145  | VV | 998    | 20850   | 0.29%  | 0.018% |
| 112 | 9.165  | 9.145  | 9.194  | VV | 378    | 5506    | 0.08%  | 0.005% |
| 113 | 9.216  | 9.194  | 9.237  | PV | 326    | 4333    | 0.06%  | 0.004% |
| 114 | 9.284  | 9.237  | 9.303  | VV | 962    | 16528   | 0.23%  | 0.014% |
| 115 | 9.323  | 9.303  | 9.351  | VV | 825    | 16135   | 0.23%  | 0.014% |
| 116 | 9.401  | 9.351  | 9.455  | VV | 1926   | 53992   | 0.76%  | 0.047% |
| 117 | 9.475  | 9.455  | 9.501  | VV | 537    | 7819    | 0.11%  | 0.007% |
| 118 | 9.525  | 9.501  | 9.562  | VV | 389    | 5628    | 0.08%  | 0.005% |
| 119 | 9.580  | 9.562  | 9.592  | VV | 198    | 2540    | 0.04%  | 0.002% |
| 120 | 9.630  | 9.592  | 9.638  | VV | 379    | 7387    | 0.10%  | 0.006% |
| 121 | 9.646  | 9.638  | 9.662  | VV | 318    | 3768    | 0.05%  | 0.003% |
| 122 | 9.689  | 9.662  | 9.729  | VV | 726    | 13889   | 0.19%  | 0.012% |
| 123 | 9.760  | 9.729  | 9.790  | VV | 1595   | 25631   | 0.36%  | 0.022% |
| 124 | 9.808  | 9.790  | 9.839  | VV | 904    | 12792   | 0.18%  | 0.011% |
| 125 | 9.853  | 9.839  | 9.874  | VV | 305    | 4129    | 0.06%  | 0.004% |
| 126 | 9.905  | 9.874  | 9.928  | VV | 855    | 14611   | 0.20%  | 0.013% |
| 127 | 9.949  | 9.928  | 9.985  | VV | 3185   | 36986   | 0.52%  | 0.032% |
| 128 | 10.009 | 9.985  | 10.024 | VV | 226    | 2961    | 0.04%  | 0.003% |
| 129 | 10.104 | 10.024 | 10.131 | VV | 626    | 16456   | 0.23%  | 0.014% |
| 130 | 10.174 | 10.131 | 10.225 | VV | 601770 | 6717616 | 94.19% | 5.810% |
| 131 | 10.244 | 10.225 | 10.308 | VV | 383    | 11429   | 0.16%  | 0.010% |
| 132 | 10.320 | 10.308 | 10.333 | VV | 150    | 1756    | 0.02%  | 0.002% |
| 133 | 10.344 | 10.333 | 10.364 | VV | 166    | 1875    | 0.03%  | 0.002% |
| 134 | 10.378 | 10.364 | 10.407 | VV | 79     | 1036    | 0.01%  | 0.001% |
| 135 | 10.451 | 10.407 | 10.468 | VV | 225    | 4068    | 0.06%  | 0.004% |
| 136 | 10.494 | 10.468 | 10.532 | VV | 330    | 8214    | 0.12%  | 0.007% |
| 137 | 10.567 | 10.532 | 10.585 | VV | 601    | 11511   | 0.16%  | 0.010% |
| 138 | 10.604 | 10.585 | 10.624 | VV | 451    | 7231    | 0.10%  | 0.006% |
| 139 | 10.655 | 10.624 | 10.675 | VV | 322    | 7561    | 0.11%  | 0.007% |
| 140 | 10.687 | 10.675 | 10.728 | VV | 273    | 5500    | 0.08%  | 0.005% |
| 141 | 10.731 | 10.728 | 10.745 | VV | 198    | 1434    | 0.02%  | 0.001% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.777 | 10.745 | 10.789 | VV | 440    | 7414    | 0.10%   | 0.006% |
| 143 | 10.804 | 10.789 | 10.827 | VV | 381    | 7285    | 0.10%   | 0.006% |
| 144 | 10.849 | 10.827 | 10.882 | VV | 586    | 13558   | 0.19%   | 0.012% |
| 145 | 10.913 | 10.882 | 10.953 | VV | 874    | 20180   | 0.28%   | 0.017% |
| 146 | 10.972 | 10.953 | 10.985 | VV | 420    | 6659    | 0.09%   | 0.006% |
| 147 | 10.994 | 10.985 | 11.015 | VV | 447    | 7160    | 0.10%   | 0.006% |
| 148 | 11.044 | 11.015 | 11.077 | VV | 1189   | 20755   | 0.29%   | 0.018% |
| 149 | 11.102 | 11.077 | 11.163 | VV | 321    | 13258   | 0.19%   | 0.011% |
| 150 | 11.199 | 11.163 | 11.214 | VV | 253    | 5616    | 0.08%   | 0.005% |
| 151 | 11.242 | 11.214 | 11.265 | VV | 430    | 8274    | 0.12%   | 0.007% |
| 152 | 11.287 | 11.265 | 11.320 | VV | 502    | 10715   | 0.15%   | 0.009% |
| 153 | 11.342 | 11.320 | 11.390 | VV | 629    | 13687   | 0.19%   | 0.012% |
| 154 | 11.424 | 11.390 | 11.463 | VV | 1725   | 23650   | 0.33%   | 0.020% |
| 155 | 11.476 | 11.463 | 11.493 | VV | 176    | 1875    | 0.03%   | 0.002% |
| 156 | 11.551 | 11.493 | 11.585 | VV | 2773   | 38776   | 0.54%   | 0.034% |
| 157 | 11.624 | 11.585 | 11.685 | VV | 599731 | 6959787 | 97.59%  | 6.019% |
| 158 | 11.716 | 11.685 | 11.772 | VV | 933    | 16876   | 0.24%   | 0.015% |
| 159 | 11.776 | 11.772 | 11.794 | VV | 168    | 1177    | 0.02%   | 0.001% |
| 160 | 11.852 | 11.794 | 11.860 | PV | 149    | 3894    | 0.05%   | 0.003% |
| 161 | 11.864 | 11.860 | 11.878 | VV | 139    | 833     | 0.01%   | 0.001% |
| 162 | 11.889 | 11.878 | 11.898 | VV | 71     | 629     | 0.01%   | 0.001% |
| 163 | 11.975 | 11.898 | 11.988 | VV | 291    | 12255   | 0.17%   | 0.011% |
| 164 | 12.012 | 11.988 | 12.053 | VV | 485    | 11384   | 0.16%   | 0.010% |
| 165 | 12.079 | 12.053 | 12.125 | VV | 418    | 10763   | 0.15%   | 0.009% |
| 166 | 12.146 | 12.125 | 12.162 | VV | 154    | 2686    | 0.04%   | 0.002% |
| 167 | 12.230 | 12.162 | 12.238 | VV | 252    | 8566    | 0.12%   | 0.007% |
| 168 | 12.287 | 12.238 | 12.315 | VV | 771    | 22223   | 0.31%   | 0.019% |
| 169 | 12.336 | 12.315 | 12.367 | VV | 374    | 8014    | 0.11%   | 0.007% |
| 170 | 12.385 | 12.367 | 12.408 | VV | 286    | 5066    | 0.07%   | 0.004% |
| 171 | 12.427 | 12.408 | 12.438 | VV | 341    | 5094    | 0.07%   | 0.004% |
| 172 | 12.449 | 12.438 | 12.475 | VV | 370    | 5849    | 0.08%   | 0.005% |
| 173 | 12.512 | 12.475 | 12.552 | VV | 790    | 21544   | 0.30%   | 0.019% |
| 174 | 12.580 | 12.552 | 12.604 | VV | 536    | 11622   | 0.16%   | 0.010% |
| 175 | 12.626 | 12.604 | 12.653 | VV | 469    | 9331    | 0.13%   | 0.008% |
| 176 | 12.760 | 12.653 | 12.781 | VV | 1936   | 45612   | 0.64%   | 0.039% |
| 177 | 12.797 | 12.781 | 12.832 | VV | 1230   | 18140   | 0.25%   | 0.016% |
| 178 | 12.835 | 12.832 | 12.845 | VV | 129    | 646     | 0.01%   | 0.001% |
| 179 | 12.876 | 12.845 | 12.899 | VV | 955    | 13154   | 0.18%   | 0.011% |
| 180 | 12.940 | 12.899 | 12.982 | VV | 591813 | 7131731 | 100.00% | 6.168% |
| 181 | 12.999 | 12.982 | 13.026 | VV | 378    | 6716    | 0.09%   | 0.006% |
| 182 | 13.054 | 13.026 | 13.134 | VV | 267    | 5983    | 0.08%   | 0.005% |
| 183 | 13.197 | 13.134 | 13.247 | PV | 185    | 5936    | 0.08%   | 0.005% |
| 184 | 13.259 | 13.247 | 13.277 | VV | 146    | 1652    | 0.02%   | 0.001% |
| 185 | 13.308 | 13.277 | 13.325 | VV | 251    | 4086    | 0.06%   | 0.004% |
| 186 | 13.385 | 13.325 | 13.421 | VV | 401128 | 4858652 | 68.13%  | 4.202% |
| 187 | 13.440 | 13.421 | 13.465 | VV | 399    | 7902    | 0.11%   | 0.007% |
| 188 | 13.496 | 13.465 | 13.512 | VV | 343    | 7279    | 0.10%   | 0.006% |
| 189 | 13.554 | 13.512 | 13.705 | VV | 577994 | 6848611 | 96.03%  | 5.923% |
| 190 | 13.713 | 13.705 | 13.725 | VV | 145    | 1673    | 0.02%   | 0.001% |
| 191 | 13.755 | 13.725 | 13.791 | VV | 316    | 9299    | 0.13%   | 0.008% |
| 192 | 13.835 | 13.791 | 13.874 | VV | 423    | 13627   | 0.19%   | 0.012% |
| 193 | 13.897 | 13.874 | 13.908 | VV | 312    | 4406    | 0.06%   | 0.004% |
| 194 | 13.930 | 13.908 | 13.955 | VV | 734    | 11797   | 0.17%   | 0.010% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 13.982 | 13.955 | 14.025 | VV | 1149   | 20603   | 0.29%  | 0.018% |
| 196    | 14.088 | 14.025 | 14.103 | VV | 938    | 18020   | 0.25%  | 0.016% |
| 197    | 14.143 | 14.103 | 14.255 | VV | 548166 | 6787340 | 95.17% | 5.870% |
| 198    | 14.268 | 14.255 | 14.315 | VV | 157    | 2337    | 0.03%  | 0.002% |
| 199    | 14.380 | 14.315 | 14.395 | PV | 209    | 6724    | 0.09%  | 0.006% |
| 200    | 14.409 | 14.395 | 14.426 | VV | 145    | 2364    | 0.03%  | 0.002% |
| 201    | 14.439 | 14.426 | 14.455 | VV | 143    | 1602    | 0.02%  | 0.001% |
| 202    | 14.471 | 14.455 | 14.495 | VV | 179    | 2939    | 0.04%  | 0.003% |
| 203    | 14.509 | 14.495 | 14.525 | VV | 164    | 1924    | 0.03%  | 0.002% |
| 204    | 14.533 | 14.525 | 14.545 | VV | 155    | 1645    | 0.02%  | 0.001% |
| 205    | 14.576 | 14.545 | 14.663 | VV | 1429   | 28440   | 0.40%  | 0.025% |
| 206    | 14.703 | 14.663 | 14.745 | VV | 505    | 10745   | 0.15%  | 0.009% |
| 207    | 14.764 | 14.745 | 14.778 | VV | 205    | 3086    | 0.04%  | 0.003% |
| 208    | 14.844 | 14.778 | 14.886 | VV | 278    | 13729   | 0.19%  | 0.012% |
| 209    | 14.905 | 14.886 | 14.934 | VV | 247    | 5830    | 0.08%  | 0.005% |
| 210    | 15.022 | 14.934 | 15.080 | VV | 303    | 20343   | 0.29%  | 0.018% |
| 211    | 15.102 | 15.080 | 15.165 | VV | 320    | 8561    | 0.12%  | 0.007% |
| 212    | 15.250 | 15.165 | 15.398 | VV | 515617 | 6636331 | 93.05% | 5.739% |
| 213    | 15.420 | 15.398 | 15.478 | VV | 171    | 5562    | 0.08%  | 0.005% |
| 214    | 15.491 | 15.478 | 15.603 | VV | 101    | 4817    | 0.07%  | 0.004% |
| 215    | 15.674 | 15.603 | 15.705 | PV | 295    | 6751    | 0.09%  | 0.006% |
| 216    | 15.769 | 15.705 | 15.848 | VV | 1367   | 26391   | 0.37%  | 0.023% |
| 217    | 15.863 | 15.848 | 15.886 | VV | 107    | 1526    | 0.02%  | 0.001% |
| 218    | 15.949 | 15.886 | 16.022 | VV | 273    | 11146   | 0.16%  | 0.010% |
| 219    | 16.085 | 16.022 | 16.105 | VV | 263    | 8191    | 0.11%  | 0.007% |
| 220    | 16.132 | 16.105 | 16.194 | VV | 288    | 9254    | 0.13%  | 0.008% |
| 221    | 16.275 | 16.194 | 16.355 | VV | 494705 | 6422192 | 90.05% | 5.554% |
| 222    | 16.367 | 16.355 | 16.392 | VV | 97     | 1024    | 0.01%  | 0.001% |
| 223    | 16.446 | 16.392 | 16.475 | PV | 179    | 4405    | 0.06%  | 0.004% |
| 224    | 16.489 | 16.475 | 16.542 | VV | 114    | 3100    | 0.04%  | 0.003% |
| 225    | 16.596 | 16.542 | 16.612 | VV | 100    | 4567    | 0.06%  | 0.004% |
| 226    | 16.639 | 16.612 | 16.674 | VV | 151    | 3794    | 0.05%  | 0.003% |
| 227    | 16.756 | 16.674 | 16.857 | VV | 2006   | 36731   | 0.52%  | 0.032% |
| 228    | 16.918 | 16.857 | 16.982 | VV | 304    | 13294   | 0.19%  | 0.011% |
| 229    | 16.991 | 16.982 | 17.005 | VV | 194    | 2341    | 0.03%  | 0.002% |
| 230    | 17.062 | 17.005 | 17.085 | VV | 373    | 11092   | 0.16%  | 0.010% |
| 231    | 17.107 | 17.085 | 17.141 | VV | 526    | 13913   | 0.20%  | 0.012% |
| 232    | 17.228 | 17.141 | 17.302 | VV | 460503 | 6214934 | 87.14% | 5.375% |
| 233    | 17.317 | 17.302 | 17.352 | VV | 221    | 4608    | 0.06%  | 0.004% |
| 234    | 17.376 | 17.352 | 17.415 | VV | 170    | 4167    | 0.06%  | 0.004% |
| 235    | 17.460 | 17.415 | 17.492 | VV | 122    | 4095    | 0.06%  | 0.004% |
| 236    | 17.514 | 17.492 | 17.538 | VV | 128    | 2713    | 0.04%  | 0.002% |
| 237    | 17.557 | 17.538 | 17.588 | VV | 135    | 1827    | 0.03%  | 0.002% |
| 238    | 17.675 | 17.588 | 17.748 | PV | 2028   | 32328   | 0.45%  | 0.028% |
| 239    | 17.782 | 17.748 | 17.801 | PV | 187    | 3513    | 0.05%  | 0.003% |
| 240    | 17.821 | 17.801 | 17.858 | VV | 203    | 4414    | 0.06%  | 0.004% |
| 241    | 17.911 | 17.858 | 17.975 | VV | 283    | 12247   | 0.17%  | 0.011% |
| 242    | 18.005 | 17.975 | 18.042 | VV | 4884   | 72182   | 1.01%  | 0.062% |
| 243    | 18.118 | 18.042 | 18.178 | VV | 440516 | 6135417 | 86.03% | 5.306% |
| 244    | 18.207 | 18.178 | 18.232 | VV | 268    | 5267    | 0.07%  | 0.005% |
| 245    | 18.256 | 18.232 | 18.365 | VV | 259    | 10690   | 0.15%  | 0.009% |
| 246    | 18.395 | 18.365 | 18.418 | PV | 208    | 4484    | 0.06%  | 0.004% |

|                         |        |        |        |    | rteres    |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 247                     | 18.435 | 18.418 | 18.458 | VV | 114       | 2139    | 0.03%  | 0.002% |
| 248                     | 18.538 | 18.458 | 18.576 | VV | 2319      | 37687   | 0.53%  | 0.033% |
| 249                     | 18.624 | 18.576 | 18.648 | VV | 166       | 4189    | 0.06%  | 0.004% |
| 250                     | 18.664 | 18.648 | 18.700 | VV | 93        | 2016    | 0.03%  | 0.002% |
| 251                     | 18.744 | 18.700 | 18.765 | PV | 148       | 3776    | 0.05%  | 0.003% |
| 252                     | 18.801 | 18.765 | 18.822 | VV | 195       | 5347    | 0.07%  | 0.005% |
| 253                     | 18.838 | 18.822 | 18.862 | VV | 195       | 3999    | 0.06%  | 0.003% |
| 254                     | 18.953 | 18.862 | 19.022 | VV | 425850    | 5928157 | 83.12% | 5.127% |
| 255                     | 19.094 | 19.022 | 19.135 | PV | 114       | 5138    | 0.07%  | 0.004% |
| 256                     | 19.207 | 19.135 | 19.228 | VV | 89        | 3663    | 0.05%  | 0.003% |
| 257                     | 19.247 | 19.228 | 19.265 | VV | 63        | 1241    | 0.02%  | 0.001% |
| 258                     | 19.347 | 19.265 | 19.400 | PV | 2130      | 33170   | 0.47%  | 0.029% |
| 259                     | 19.521 | 19.400 | 19.562 | VV | 144       | 7265    | 0.10%  | 0.006% |
| 260                     | 19.738 | 19.562 | 19.812 | VV | 414660    | 5708399 | 80.04% | 4.937% |
| 261                     | 19.849 | 19.812 | 19.872 | VV | 301       | 8543    | 0.12%  | 0.007% |
| 262                     | 19.893 | 19.872 | 19.938 | VV | 460       | 12185   | 0.17%  | 0.011% |
| 263                     | 19.988 | 19.938 | 20.005 | VV | 335       | 11073   | 0.16%  | 0.010% |
| 264                     | 20.034 | 20.005 | 20.064 | VV | 380       | 9924    | 0.14%  | 0.009% |
| 265                     | 20.110 | 20.064 | 20.185 | VV | 1416      | 34406   | 0.48%  | 0.030% |
| 266                     | 20.380 | 20.185 | 20.412 | VV | 1355      | 73090   | 1.02%  | 0.063% |
| 267                     | 20.479 | 20.412 | 20.594 | VV | 352956    | 5360823 | 75.17% | 4.636% |
| 268                     | 20.749 | 20.594 | 20.775 | VV | 994       | 93656   | 1.31%  | 0.081% |
| 269                     | 20.835 | 20.775 | 20.872 | VV | 2108      | 71877   | 1.01%  | 0.062% |
| 270                     | 21.019 | 20.872 | 21.062 | VV | 1427      | 129682  | 1.82%  | 0.112% |
| 271                     | 21.129 | 21.062 | 21.145 | VV | 1302      | 61362   | 0.86%  | 0.053% |
| 272                     | 21.229 | 21.145 | 21.521 | VV | 274146    | 5212511 | 73.09% | 4.508% |
| 273                     | 21.564 | 21.521 | 21.612 | VV | 799       | 38068   | 0.53%  | 0.033% |
| 274                     | 21.664 | 21.612 | 21.762 | VV | 1164      | 57562   | 0.81%  | 0.050% |
| 275                     | 21.892 | 21.762 | 21.938 | VV | 308       | 34944   | 0.49%  | 0.030% |
| 276                     | 22.035 | 21.938 | 22.055 | VV | 358       | 20838   | 0.29%  | 0.018% |
| 277                     | 22.167 | 22.055 | 22.288 | VV | 191927    | 4749867 | 66.60% | 4.108% |
| 278                     | 22.305 | 22.288 | 22.395 | VV | 202       | 6087    | 0.09%  | 0.005% |
| Sum of corrected areas: |        |        |        |    | 115630147 |         |        |        |

Aliphatic EPH 011425.M Wed Jan 29 03:45:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
 Data File : FF015335.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 20:08  
 Operator : YP\AJ  
 Sample : Q1194-01MSD  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

B-110-SB01MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:50:09 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.992  | 7289072    | 55.220 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 110.44%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.866  | 4671163    | 55.340 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 110.68%       |
| 11) S ortho-Terphenyl (SURR)       | 11.929 | 6186547    | 35.938 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 71.88%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.603  | 6277986    | 39.139 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.271  | 7257624    | 45.265 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.366  | 7060308    | 44.400 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.668  | 7957805    | 50.081 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.968  | 8365219    | 51.301 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.756  | 8334685    | 52.933 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.162 | 8051558    | 50.428 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.238 | 8068890    | 54.652 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.984 | 8092886    | 48.919 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.283 | 7951215    | 49.088 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.164 | 7331804    | 49.147 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.210 | 8207987    | 52.843 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.724 | 7192638    | 48.604 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.761 | 7106098    | 50.259 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.106 | 6881960    | 48.437 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.481 | 7529449    | 59.754 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.520 | 6811828    | 46.041 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.740 | 7111202    | 52.679 ug/ml  |

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

(m)=manual int.



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF012825AR\  
Data File : FF015335.D  
Signal(s) : FID2B.ch  
Acq On : 28 Jan 2025 20:08  
Operator : YP\AJ  
Sample : Q1194-01MSD  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

B-110-SB01MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 00:50:09 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 2025

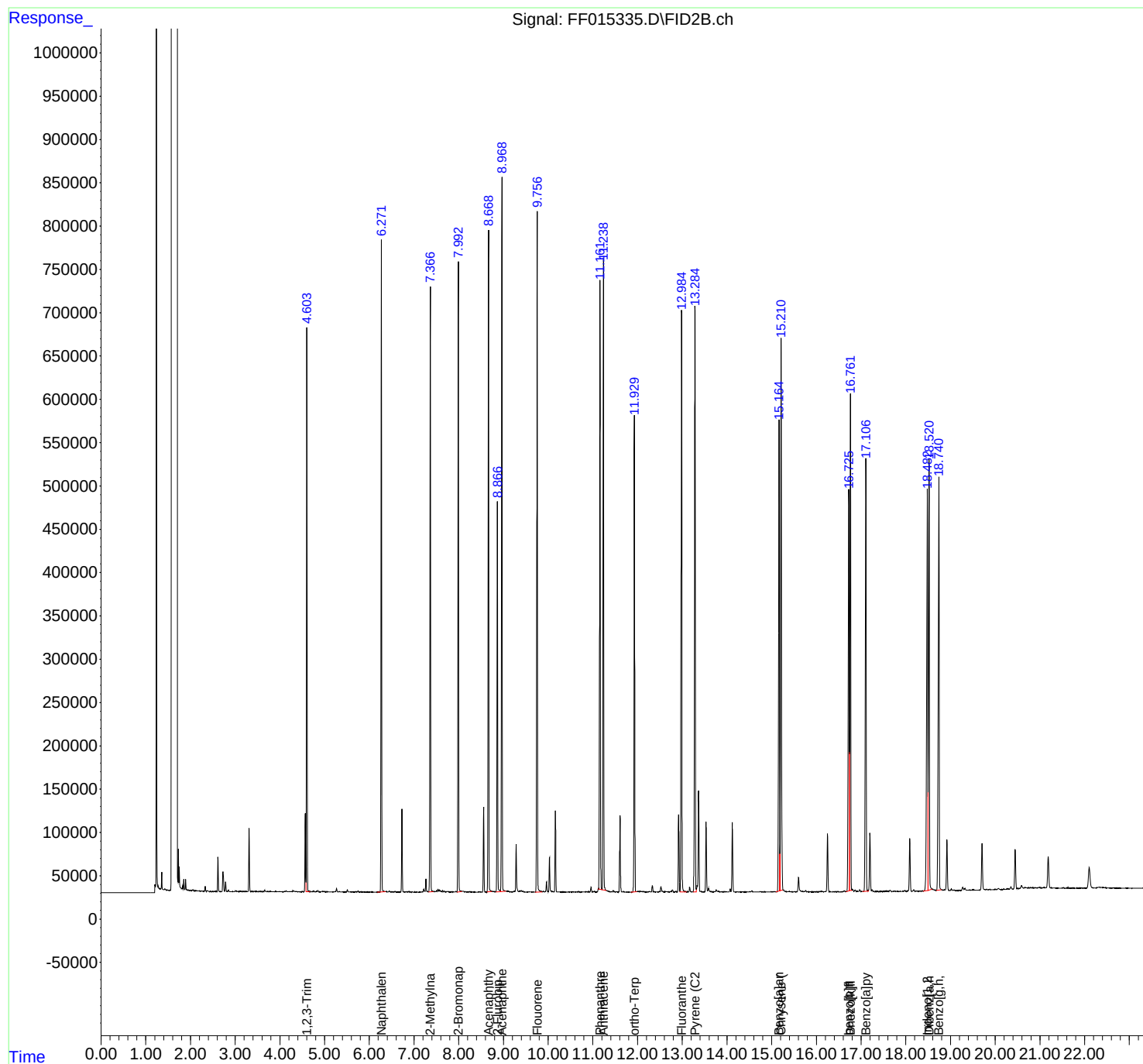
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID\_F

ClientSampleId :

B-110-SB01MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF01282  
 Data File : FF015335.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Jan 2025 20:08  
 Sample : Q1194-01MSD  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 011425.M  
 Title : GC Extractables

Signal : FID2B.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         | 4.455       | 4.443        | 4.485      | VV       | 146            | 2197         | 0.03%          | 0.001%        |
| 2         | 4.510       | 4.485        | 4.537      | PV       | 280            | 4585         | 0.05%          | 0.003%        |
| 3         | 4.568       | 4.537        | 4.582      | VV       | 90476          | 867542       | 10.30%         | 0.505%        |
| 4         | 4.603       | 4.582        | 4.672      | VV       | 649907         | 6286396      | 74.62%         | 3.658%        |
| 5         | 4.693       | 4.672        | 4.715      | VV       | 503            | 8662         | 0.10%          | 0.005%        |
| 6         | 4.756       | 4.715        | 4.776      | VV       | 1274           | 19446        | 0.23%          | 0.011%        |
| 7         | 4.788       | 4.776        | 4.802      | VV       | 306            | 3385         | 0.04%          | 0.002%        |
| 8         | 4.819       | 4.802        | 4.833      | VV       | 1066           | 11144        | 0.13%          | 0.006%        |
| 9         | 4.852       | 4.833        | 4.887      | VV       | 1751           | 20814        | 0.25%          | 0.012%        |
| 10        | 4.892       | 4.887        | 4.898      | VV       | 214            | 1054         | 0.01%          | 0.001%        |
| 11        | 4.939       | 4.898        | 4.968      | VV       | 634            | 16454        | 0.20%          | 0.010%        |
| 12        | 4.981       | 4.968        | 5.024      | VV       | 490            | 10488        | 0.12%          | 0.006%        |
| 13        | 5.030       | 5.024        | 5.043      | VV       | 276            | 2529         | 0.03%          | 0.001%        |
| 14        | 5.059       | 5.043        | 5.081      | VV       | 618            | 8418         | 0.10%          | 0.005%        |
| 15        | 5.085       | 5.081        | 5.112      | VV       | 182            | 2262         | 0.03%          | 0.001%        |
| 16        | 5.117       | 5.112        | 5.131      | VV       | 130            | 1192         | 0.01%          | 0.001%        |
| 17        | 5.150       | 5.141        | 5.165      | VV       | 151            | 1657         | 0.02%          | 0.001%        |
| 18        | 5.182       | 5.165        | 5.207      | VV       | 371            | 5077         | 0.06%          | 0.003%        |
| 19        | 5.243       | 5.214        | 5.250      | VV       | 663            | 9247         | 0.11%          | 0.005%        |
| 20        | 5.268       | 5.250        | 5.308      | VV       | 4162           | 49931        | 0.59%          | 0.029%        |
| 21        | 5.329       | 5.308        | 5.369      | VV       | 806            | 11497        | 0.14%          | 0.007%        |
| 22        | 5.384       | 5.369        | 5.406      | VV       | 170            | 2962         | 0.04%          | 0.002%        |
| 23        | 5.473       | 5.430        | 5.490      | PV       | 271            | 4114         | 0.05%          | 0.002%        |
| 24        | 5.510       | 5.490        | 5.557      | VV       | 2742           | 32931        | 0.39%          | 0.019%        |
| 25        | 5.577       | 5.557        | 5.592      | VV       | 222            | 3406         | 0.04%          | 0.002%        |
| 26        | 5.612       | 5.607        | 5.640      | VV       | 138            | 1781         | 0.02%          | 0.001%        |
| 27        | 5.666       | 5.640        | 5.684      | VV       | 209            | 3325         | 0.04%          | 0.002%        |
| 28        | 5.702       | 5.684        | 5.724      | VV       | 765            | 8273         | 0.10%          | 0.005%        |
| 29        | 5.747       | 5.724        | 5.768      | VV       | 1342           | 15398        | 0.18%          | 0.009%        |
| 30        | 5.780       | 5.768        | 5.787      | VV       | 148            | 1315         | 0.02%          | 0.001%        |
| 31        | 5.807       | 5.787        | 5.827      | VV       | 396            | 4636         | 0.06%          | 0.003%        |
| 32        | 5.885       | 5.827        | 5.890      | VV       | 210            | 3919         | 0.05%          | 0.002%        |
| 33        | 5.894       | 5.890        | 5.902      | VV       | 217            | 1154         | 0.01%          | 0.001%        |
| 34        | 5.906       | 5.902        | 5.921      | VV       | 215            | 1229         | 0.01%          | 0.001%        |
| 35        | 5.952       | 5.935        | 5.983      | PV       | 211            | 3412         | 0.04%          | 0.002%        |
| 36        | 6.014       | 5.983        | 6.037      | VV       | 183            | 3119         | 0.04%          | 0.002%        |

| Instrument : FID_F                       |       |       |       |    |        |         |        |         |   |
|------------------------------------------|-------|-------|-------|----|--------|---------|--------|---------|---|
| ClientSampleId : B-110-SB01MSD           |       |       |       |    |        |         |        |         |   |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |        |         |   |
| Reviewed By :Yogesh Patel 01/29/2025     |       |       |       |    |        |         |        |         |   |
| Supervised By :Ankita Jodhani 01/29/2025 |       |       |       |    |        |         |        |         |   |
|                                          |       |       |       | rt | Area   | Height  | Area%  | Height% |   |
| 37                                       | 6.049 | 6.037 | 6.064 | VV | 178    | 1460    | 0.02%  | 0.001%  | A |
| 38                                       | 6.072 | 6.064 | 6.081 | VV | 141    | 1111    | 0.01%  | 0.001%  | B |
| 39                                       | 6.083 | 6.081 | 6.144 | VV | 112    | 1738    | 0.01%  | 0.001%  | C |
| 40                                       | 6.195 | 6.174 | 6.207 | VV | 191    | 2629    | 0.02%  | 0.001%  | D |
| 41                                       | 6.220 | 6.207 | 6.239 | VV | 286    | 3801    | 0.04%  | 0.002%  | E |
| 42                                       | 6.271 | 6.239 | 6.348 | VV | 750985 | 7282838 | 86.70% | 4.250%  | F |
| 43                                       | 6.351 | 6.348 | 6.362 | VV | 684    | 5717    | 0.07%  | 0.003%  | G |
| 44                                       | 6.377 | 6.362 | 6.406 | VV | 1177   | 18751   | 0.22%  | 0.011%  | H |
| 45                                       | 6.410 | 6.406 | 6.427 | VV | 414    | 4528    | 0.05%  | 0.003%  | I |
| 46                                       | 6.447 | 6.427 | 6.476 | VV | 1534   | 22670   | 0.27%  | 0.013%  | J |
| 47                                       | 6.513 | 6.476 | 6.554 | VV | 550    | 16934   | 0.20%  | 0.010%  |   |
| 48                                       | 6.575 | 6.554 | 6.604 | VV | 1153   | 16250   | 0.19%  | 0.009%  |   |
| 49                                       | 6.608 | 6.604 | 6.639 | VV | 301    | 4660    | 0.06%  | 0.003%  |   |
| 50                                       | 6.644 | 6.639 | 6.681 | VV | 261    | 4881    | 0.06%  | 0.003%  |   |
| 51                                       | 6.685 | 6.681 | 6.702 | VV | 214    | 1921    | 0.02%  | 0.001%  |   |
| 52                                       | 6.731 | 6.702 | 6.785 | VV | 95914  | 969848  | 11.51% | 0.564%  |   |
| 53                                       | 6.817 | 6.785 | 6.838 | VV | 756    | 11897   | 0.14%  | 0.007%  |   |
| 54                                       | 6.855 | 6.838 | 6.868 | VV | 524    | 5894    | 0.07%  | 0.003%  |   |
| 55                                       | 6.886 | 6.868 | 6.904 | VV | 1180   | 13494   | 0.16%  | 0.008%  |   |
| 56                                       | 6.920 | 6.904 | 6.944 | VV | 424    | 4773    | 0.06%  | 0.003%  |   |
| 57                                       | 6.959 | 6.944 | 6.983 | VV | 645    | 6307    | 0.07%  | 0.004%  |   |
| 58                                       | 7.004 | 6.983 | 7.010 | PV | 186    | 1824    | 0.02%  | 0.001%  |   |
| 59                                       | 7.020 | 7.015 | 7.038 | VV | 235    | 2021    | 0.02%  | 0.001%  |   |
| 60                                       | 7.060 | 7.038 | 7.083 | VV | 324    | 4807    | 0.06%  | 0.003%  |   |
| 61                                       | 7.118 | 7.103 | 7.157 | VV | 333    | 5717    | 0.07%  | 0.003%  |   |
| 62                                       | 7.188 | 7.157 | 7.199 | VV | 682    | 7889    | 0.09%  | 0.005%  |   |
| 63                                       | 7.217 | 7.199 | 7.248 | VV | 3357   | 50389   | 0.60%  | 0.029%  |   |
| 64                                       | 7.268 | 7.248 | 7.323 | VV | 15478  | 175979  | 2.09%  | 0.102%  |   |
| 65                                       | 7.366 | 7.323 | 7.435 | VV | 701061 | 7094223 | 84.20% | 4.128%  |   |
| 66                                       | 7.453 | 7.435 | 7.474 | VV | 887    | 17245   | 0.20%  | 0.010%  |   |
| 67                                       | 7.479 | 7.474 | 7.485 | VV | 733    | 4695    | 0.06%  | 0.003%  |   |
| 68                                       | 7.502 | 7.485 | 7.517 | VV | 2106   | 24871   | 0.30%  | 0.014%  |   |
| 69                                       | 7.534 | 7.517 | 7.549 | VV | 3217   | 39768   | 0.47%  | 0.023%  |   |
| 70                                       | 7.565 | 7.549 | 7.580 | VV | 2985   | 39119   | 0.46%  | 0.023%  |   |
| 71                                       | 7.591 | 7.580 | 7.625 | VV | 2075   | 32737   | 0.39%  | 0.019%  |   |
| 72                                       | 7.642 | 7.625 | 7.659 | VV | 1914   | 23346   | 0.28%  | 0.014%  |   |
| 73                                       | 7.677 | 7.659 | 7.699 | VV | 1491   | 20639   | 0.24%  | 0.012%  |   |
| 74                                       | 7.740 | 7.699 | 7.753 | VV | 1057   | 20042   | 0.24%  | 0.012%  |   |
| 75                                       | 7.767 | 7.753 | 7.789 | VV | 927    | 12594   | 0.15%  | 0.007%  |   |
| 76                                       | 7.812 | 7.799 | 7.822 | VV | 241    | 2331    | 0.03%  | 0.001%  |   |
| 77                                       | 7.850 | 7.822 | 7.874 | VV | 929    | 14301   | 0.17%  | 0.008%  |   |
| 78                                       | 7.891 | 7.874 | 7.903 | VV | 476    | 6402    | 0.08%  | 0.004%  |   |
| 79                                       | 7.910 | 7.903 | 7.924 | VV | 470    | 4601    | 0.05%  | 0.003%  |   |
| 80                                       | 7.942 | 7.924 | 7.960 | VV | 1257   | 14854   | 0.18%  | 0.009%  |   |
| 81                                       | 7.993 | 7.960 | 8.045 | VV | 728249 | 7304864 | 86.70% | 4.250%  |   |
| 82                                       | 8.050 | 8.045 | 8.072 | VV | 1420   | 18568   | 0.22%  | 0.011%  |   |
| 83                                       | 8.093 | 8.072 | 8.099 | VV | 1278   | 18092   | 0.21%  | 0.011%  |   |
| 84                                       | 8.102 | 8.099 | 8.162 | VV | 1338   | 27348   | 0.32%  | 0.016%  |   |
| 85                                       | 8.170 | 8.162 | 8.190 | VV | 549    | 6755    | 0.08%  | 0.004%  |   |
| 86                                       | 8.204 | 8.190 | 8.233 | VV | 396    | 7109    | 0.08%  | 0.004%  |   |
| 87                                       | 8.252 | 8.233 | 8.276 | VV | 802    | 11487   | 0.14%  | 0.007%  |   |
| 88                                       | 8.309 | 8.276 | 8.329 | VV | 387    | 7982    | 0.09%  | 0.005%  |   |
| 89                                       | 8.347 | 8.329 | 8.370 | VV | 290    | 4867    | 0.06%  | 0.003%  |   |

|     |        |        |        |    |        |         | Instrument :<br>FID_F                    |        | A |
|-----|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|     |        |        |        |    |        |         | ClientSampleId :<br>B-110-SB01MSD        |        |   |
|     | rteres |        |        |    |        |         |                                          |        |   |
| 90  | 8.379  | 8.370  | 8.415  | VV | 159    | 2955    | 0.04%                                    | 0.002% | B |
| 91  | 8.457  | 8.425  | 8.492  | VV | 542    | 10818   | Manual IntegrationsAPPROVED              |        | C |
| 92  | 8.502  | 8.492  | 8.518  | VV | 230    | 2600    |                                          |        | D |
| 93  | 8.559  | 8.518  | 8.607  | VV | 98118  | 1027981 | Reviewed By :Yogesh Patel 01/29/2025     |        | E |
| 94  | 8.625  | 8.607  | 8.633  | VV | 287    | 3382    | Supervised By :Ankita Jodhani 01/29/2025 |        | F |
| 95  | 8.668  | 8.633  | 8.740  | VV | 764390 | 7998117 |                                          |        | G |
| 96  | 8.749  | 8.740  | 8.779  | VV | 1265   | 22854   | 0.27%                                    | 0.013% | H |
| 97  | 8.793  | 8.779  | 8.834  | VV | 1225   | 22596   | 0.27%                                    | 0.013% | I |
| 98  | 8.866  | 8.834  | 8.913  | VV | 452065 | 4676658 | 55.51%                                   | 2.721% | J |
| 99  | 8.920  | 8.913  | 8.935  | VV | 2410   | 27647   | 0.33%                                    | 0.016% |   |
| 100 | 8.968  | 8.935  | 9.043  | VV | 826047 | 8424964 | 100.00%                                  | 4.902% |   |
| 101 | 9.048  | 9.043  | 9.059  | VV | 1455   | 13542   | 0.16%                                    | 0.008% |   |
| 102 | 9.074  | 9.059  | 9.088  | VV | 1506   | 24197   | 0.29%                                    | 0.014% |   |
| 103 | 9.099  | 9.088  | 9.146  | VV | 1446   | 38891   | 0.46%                                    | 0.023% |   |
| 104 | 9.165  | 9.146  | 9.181  | VV | 717    | 12538   | 0.15%                                    | 0.007% |   |
| 105 | 9.214  | 9.181  | 9.225  | VV | 749    | 15211   | 0.18%                                    | 0.009% |   |
| 106 | 9.242  | 9.225  | 9.260  | VV | 1536   | 21665   | 0.26%                                    | 0.013% |   |
| 107 | 9.286  | 9.260  | 9.348  | VV | 55325  | 630486  | 7.48%                                    | 0.367% |   |
| 108 | 9.365  | 9.348  | 9.380  | VV | 1775   | 24129   | 0.29%                                    | 0.014% |   |
| 109 | 9.401  | 9.380  | 9.421  | VV | 2100   | 33399   | 0.40%                                    | 0.019% |   |
| 110 | 9.436  | 9.421  | 9.458  | VV | 1559   | 20814   | 0.25%                                    | 0.012% |   |
| 111 | 9.474  | 9.458  | 9.500  | VV | 585    | 8203    | 0.10%                                    | 0.005% |   |
| 112 | 9.522  | 9.500  | 9.550  | VV | 440    | 6471    | 0.08%                                    | 0.004% |   |
| 113 | 9.573  | 9.550  | 9.593  | VV | 540    | 8178    | 0.10%                                    | 0.005% |   |
| 114 | 9.608  | 9.593  | 9.653  | VV | 446    | 8888    | 0.11%                                    | 0.005% |   |
| 115 | 9.672  | 9.653  | 9.680  | VV | 382    | 4429    | 0.05%                                    | 0.003% |   |
| 116 | 9.688  | 9.680  | 9.704  | VV | 378    | 3927    | 0.05%                                    | 0.002% |   |
| 117 | 9.757  | 9.717  | 9.870  | VV | 786630 | 8361926 | 99.25%                                   | 4.865% |   |
| 118 | 9.891  | 9.870  | 9.927  | VV | 797    | 20433   | 0.24%                                    | 0.012% |   |
| 119 | 9.965  | 9.927  | 9.989  | VV | 12057  | 145255  | 1.72%                                    | 0.085% |   |
| 120 | 10.000 | 9.989  | 10.008 | VV | 1023   | 9823    | 0.12%                                    | 0.006% |   |
| 121 | 10.031 | 10.008 | 10.132 | VV | 40033  | 475997  | 5.65%                                    | 0.277% |   |
| 122 | 10.164 | 10.132 | 10.202 | VV | 93852  | 1046963 | 12.43%                                   | 0.609% |   |
| 123 | 10.206 | 10.202 | 10.217 | VV | 362    | 2827    | 0.03%                                    | 0.002% |   |
| 124 | 10.234 | 10.217 | 10.254 | VV | 473    | 8597    | 0.10%                                    | 0.005% |   |
| 125 | 10.257 | 10.254 | 10.290 | VV | 367    | 5437    | 0.06%                                    | 0.003% |   |
| 126 | 10.304 | 10.298 | 10.326 | VV | 191    | 2705    | 0.03%                                    | 0.002% |   |
| 127 | 10.333 | 10.326 | 10.355 | VV | 243    | 3198    | 0.04%                                    | 0.002% |   |
| 128 | 10.368 | 10.355 | 10.382 | VV | 262    | 2963    | 0.04%                                    | 0.002% |   |
| 129 | 10.396 | 10.382 | 10.426 | VV | 214    | 3158    | 0.04%                                    | 0.002% |   |
| 130 | 10.446 | 10.426 | 10.461 | VV | 336    | 4297    | 0.05%                                    | 0.003% |   |
| 131 | 10.495 | 10.461 | 10.527 | VV | 467    | 10820   | 0.13%                                    | 0.006% |   |
| 132 | 10.559 | 10.527 | 10.574 | VV | 446    | 8468    | 0.10%                                    | 0.005% |   |
| 133 | 10.590 | 10.574 | 10.597 | VV | 428    | 4953    | 0.06%                                    | 0.003% |   |
| 134 | 10.600 | 10.597 | 10.617 | VV | 402    | 3707    | 0.04%                                    | 0.002% |   |
| 135 | 10.629 | 10.617 | 10.637 | VV | 388    | 3507    | 0.04%                                    | 0.002% |   |
| 136 | 10.646 | 10.637 | 10.667 | VV | 329    | 4381    | 0.05%                                    | 0.003% |   |
| 137 | 10.686 | 10.667 | 10.708 | VV | 1051   | 13911   | 0.17%                                    | 0.008% |   |
| 138 | 10.724 | 10.708 | 10.740 | VV | 342    | 4352    | 0.05%                                    | 0.003% |   |
| 139 | 10.768 | 10.740 | 10.776 | VV | 458    | 5965    | 0.07%                                    | 0.003% |   |
| 140 | 10.795 | 10.776 | 10.816 | VV | 500    | 9600    | 0.11%                                    | 0.006% |   |
| 141 | 10.836 | 10.816 | 10.846 | VV | 597    | 8755    | 0.10%                                    | 0.005% |   |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 10.853 | 10.846 | 10.874 | VV | 586    | 8011    | 0.10%  | 0.005% |
| 143 | 10.903 | 10.874 | 10.922 | VV | 595    | 13311   |        |        |
| 144 | 10.925 | 10.922 | 10.933 | VV | 398    | 2115    |        |        |
| 145 | 10.961 | 10.933 | 11.009 | VV | 5972   | 81210   |        |        |
| 146 | 11.035 | 11.009 | 11.085 | VV | 1095   | 22101   |        |        |
| 147 | 11.124 | 11.085 | 11.129 | VV | 4213   | 39309   |        |        |
| 148 | 11.162 | 11.129 | 11.204 | VV | 706301 | 8203258 | 97.37% | 4.773% |
| 149 | 11.239 | 11.204 | 11.300 | VV | 729034 | 8216070 | 97.52% | 4.781% |
| 150 | 11.306 | 11.300 | 11.355 | VV | 2137   | 49603   | 0.59%  | 0.029% |
| 151 | 11.358 | 11.355 | 11.392 | VV | 850    | 13766   | 0.16%  | 0.008% |
| 152 | 11.411 | 11.392 | 11.429 | VV | 659    | 11636   | 0.14%  | 0.007% |
| 153 | 11.454 | 11.429 | 11.511 | VV | 2011   | 38570   | 0.46%  | 0.022% |
| 154 | 11.540 | 11.511 | 11.565 | VV | 693    | 13358   | 0.16%  | 0.008% |
| 155 | 11.608 | 11.565 | 11.643 | VV | 88706  | 1046967 | 12.43% | 0.609% |
| 156 | 11.653 | 11.643 | 11.665 | VV | 405    | 4227    | 0.05%  | 0.002% |
| 157 | 11.687 | 11.665 | 11.722 | VV | 810    | 14281   | 0.17%  | 0.008% |
| 158 | 11.769 | 11.722 | 11.790 | VV | 311    | 5431    | 0.06%  | 0.003% |
| 159 | 11.804 | 11.790 | 11.828 | VV | 288    | 3900    | 0.05%  | 0.002% |
| 160 | 11.929 | 11.873 | 11.982 | PV | 548906 | 6209344 | 73.70% | 3.613% |
| 161 | 11.999 | 11.982 | 12.008 | VV | 844    | 11051   | 0.13%  | 0.006% |
| 162 | 12.027 | 12.008 | 12.047 | VV | 1238   | 19763   | 0.23%  | 0.011% |
| 163 | 12.064 | 12.047 | 12.082 | VV | 1143   | 18369   | 0.22%  | 0.011% |
| 164 | 12.089 | 12.082 | 12.100 | VV | 858    | 8712    | 0.10%  | 0.005% |
| 165 | 12.106 | 12.100 | 12.109 | VV | 688    | 3236    | 0.04%  | 0.002% |
| 166 | 12.112 | 12.109 | 12.124 | VV | 726    | 5076    | 0.06%  | 0.003% |
| 167 | 12.139 | 12.124 | 12.171 | VV | 749    | 12510   | 0.15%  | 0.007% |
| 168 | 12.176 | 12.171 | 12.189 | VV | 182    | 1929    | 0.02%  | 0.001% |
| 169 | 12.212 | 12.189 | 12.217 | VV | 332    | 4435    | 0.05%  | 0.003% |
| 170 | 12.270 | 12.217 | 12.304 | VV | 866    | 27798   | 0.33%  | 0.016% |
| 171 | 12.331 | 12.304 | 12.357 | VV | 7351   | 93296   | 1.11%  | 0.054% |
| 172 | 12.371 | 12.357 | 12.396 | VV | 789    | 10930   | 0.13%  | 0.006% |
| 173 | 12.410 | 12.396 | 12.435 | VV | 351    | 6547    | 0.08%  | 0.004% |
| 174 | 12.440 | 12.435 | 12.464 | VV | 335    | 3672    | 0.04%  | 0.002% |
| 175 | 12.524 | 12.464 | 12.593 | VV | 6254   | 115476  | 1.37%  | 0.067% |
| 176 | 12.604 | 12.593 | 12.624 | VV | 557    | 8494    | 0.10%  | 0.005% |
| 177 | 12.634 | 12.624 | 12.649 | VV | 653    | 8353    | 0.10%  | 0.005% |
| 178 | 12.653 | 12.649 | 12.656 | VV | 668    | 2789    | 0.03%  | 0.002% |
| 179 | 12.659 | 12.656 | 12.677 | VV | 650    | 6962    | 0.08%  | 0.004% |
| 180 | 12.685 | 12.677 | 12.691 | VV | 543    | 3959    | 0.05%  | 0.002% |
| 181 | 12.694 | 12.691 | 12.698 | VV | 486    | 1943    | 0.02%  | 0.001% |
| 182 | 12.704 | 12.698 | 12.729 | VV | 543    | 8485    | 0.10%  | 0.005% |
| 183 | 12.780 | 12.729 | 12.831 | VV | 2703   | 51695   | 0.61%  | 0.030% |
| 184 | 12.859 | 12.831 | 12.884 | VV | 1115   | 17846   | 0.21%  | 0.010% |
| 185 | 12.919 | 12.884 | 12.947 | VV | 89118  | 1092756 | 12.97% | 0.636% |
| 186 | 12.984 | 12.947 | 13.136 | VV | 672133 | 8128430 | 96.48% | 4.730% |
| 187 | 13.164 | 13.136 | 13.232 | VV | 5745   | 80079   | 0.95%  | 0.047% |
| 188 | 13.284 | 13.232 | 13.314 | VV | 674110 | 7963659 | 94.52% | 4.634% |
| 189 | 13.333 | 13.314 | 13.340 | VV | 7875   | 92228   | 1.09%  | 0.054% |
| 190 | 13.364 | 13.340 | 13.401 | VV | 117221 | 1441007 | 17.10% | 0.838% |
| 191 | 13.405 | 13.401 | 13.463 | VV | 939    | 23902   | 0.28%  | 0.014% |
| 192 | 13.485 | 13.463 | 13.500 | VV | 529    | 10500   | 0.12%  | 0.006% |
| 193 | 13.531 | 13.500 | 13.566 | VV | 81028  | 1012732 | 12.02% | 0.589% |
| 194 | 13.585 | 13.566 | 13.627 | VV | 4182   | 77875   | 0.92%  | 0.045% |

Instrument :

FID\_F

ClientSampleId :

B-110-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025

Supervised By :Ankita Jodhani 01/29/2025

|     |        |        |        |    |        |         | Instrument :<br>FID_F                    |        | A |
|-----|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|     |        |        |        |    |        |         | ClientSampleId :<br>B-110-SB01MSD        |        |   |
| 195 | 13.632 | 13.627 | 13.635 | VV | 738    | 3596    | 0.04%                                    | 0.002% | B |
| 196 | 13.642 | 13.635 | 13.686 | VV | 799    | 17920   | Manual IntegrationsAPPROVED              |        | C |
| 197 | 13.759 | 13.686 | 13.796 | VV | 2656   | 63678   |                                          |        | D |
| 198 | 13.800 | 13.796 | 13.847 | VV | 763    | 17643   | Reviewed By :Yogesh Patel 01/29/2025     |        | E |
| 199 | 13.873 | 13.847 | 13.889 | VV | 401    | 7901    | Supervised By :Ankita Jodhani 01/29/2025 |        | F |
| 200 | 13.912 | 13.889 | 13.926 | VV | 481    | 8586    |                                          |        | G |
| 201 | 13.936 | 13.926 | 13.957 | VV | 526    | 7722    | 0.09%                                    | 0.004% | H |
| 202 | 13.967 | 13.957 | 13.972 | VV | 433    | 3416    | 0.04%                                    | 0.002% | I |
| 203 | 13.986 | 13.972 | 14.017 | VV | 567    | 9505    | 0.11%                                    | 0.006% | J |
| 204 | 14.029 | 14.017 | 14.035 | VV | 291    | 2368    | 0.03%                                    | 0.001% |   |
| 205 | 14.071 | 14.035 | 14.090 | VV | 3623   | 49742   | 0.59%                                    | 0.029% |   |
| 206 | 14.118 | 14.090 | 14.165 | VV | 80861  | 985268  | 11.69%                                   | 0.573% |   |
| 207 | 14.172 | 14.165 | 14.204 | VV | 272    | 4041    | 0.05%                                    | 0.002% |   |
| 208 | 14.226 | 14.204 | 14.255 | VV | 360    | 7130    | 0.08%                                    | 0.004% |   |
| 209 | 14.282 | 14.255 | 14.309 | VV | 238    | 3881    | 0.05%                                    | 0.002% |   |
| 210 | 14.335 | 14.318 | 14.345 | VV | 168    | 1981    | 0.02%                                    | 0.001% |   |
| 211 | 14.360 | 14.356 | 14.403 | VV | 161    | 2543    | 0.03%                                    | 0.001% |   |
| 212 | 14.408 | 14.403 | 14.435 | PV | 107    | 1196    | 0.01%                                    | 0.001% |   |
| 213 | 14.452 | 14.435 | 14.469 | VV | 221    | 2985    | 0.04%                                    | 0.002% |   |
| 214 | 14.476 | 14.469 | 14.492 | VV | 175    | 1893    | 0.02%                                    | 0.001% |   |
| 215 | 14.513 | 14.492 | 14.532 | VV | 537    | 9016    | 0.11%                                    | 0.005% |   |
| 216 | 14.556 | 14.532 | 14.599 | VV | 1605   | 28527   | 0.34%                                    | 0.017% |   |
| 217 | 14.603 | 14.599 | 14.632 | VV | 307    | 4597    | 0.05%                                    | 0.003% |   |
| 218 | 14.641 | 14.632 | 14.662 | VV | 233    | 2925    | 0.03%                                    | 0.002% |   |
| 219 | 14.685 | 14.662 | 14.705 | VV | 326    | 5144    | 0.06%                                    | 0.003% |   |
| 220 | 14.717 | 14.705 | 14.728 | VV | 275    | 2573    | 0.03%                                    | 0.001% |   |
| 221 | 14.750 | 14.728 | 14.771 | VV | 525    | 8563    | 0.10%                                    | 0.005% |   |
| 222 | 14.783 | 14.771 | 14.814 | VV | 421    | 8248    | 0.10%                                    | 0.005% |   |
| 223 | 14.824 | 14.814 | 14.830 | VV | 341    | 2950    | 0.04%                                    | 0.002% |   |
| 224 | 14.848 | 14.830 | 14.874 | VV | 455    | 7684    | 0.09%                                    | 0.004% |   |
| 225 | 14.889 | 14.881 | 14.918 | VV | 271    | 3778    | 0.04%                                    | 0.002% |   |
| 226 | 14.929 | 14.918 | 14.937 | VV | 158    | 1607    | 0.02%                                    | 0.001% |   |
| 227 | 14.960 | 14.953 | 14.966 | VV | 169    | 1055    | 0.01%                                    | 0.001% |   |
| 228 | 14.976 | 14.966 | 14.984 | VV | 228    | 1873    | 0.02%                                    | 0.001% |   |
| 229 | 15.006 | 14.984 | 15.017 | VV | 311    | 4921    | 0.06%                                    | 0.003% |   |
| 230 | 15.034 | 15.017 | 15.042 | VV | 335    | 4205    | 0.05%                                    | 0.002% |   |
| 231 | 15.062 | 15.042 | 15.110 | VV | 760    | 13211   | 0.16%                                    | 0.008% |   |
| 232 | 15.164 | 15.110 | 15.184 | VV | 545278 | 7366955 | 87.44%                                   | 4.287% |   |
| 233 | 15.210 | 15.184 | 15.255 | VV | 639909 | 8293793 | 98.44%                                   | 4.826% |   |
| 234 | 15.266 | 15.255 | 15.349 | VV | 2383   | 56460   | 0.67%                                    | 0.033% |   |
| 235 | 15.355 | 15.349 | 15.362 | VV | 363    | 2725    | 0.03%                                    | 0.002% |   |
| 236 | 15.364 | 15.362 | 15.374 | VV | 362    | 2464    | 0.03%                                    | 0.001% |   |
| 237 | 15.394 | 15.374 | 15.425 | VV | 691    | 15246   | 0.18%                                    | 0.009% |   |
| 238 | 15.428 | 15.425 | 15.489 | VV | 479    | 9935    | 0.12%                                    | 0.006% |   |
| 239 | 15.520 | 15.489 | 15.560 | VV | 622    | 13644   | 0.16%                                    | 0.008% |   |
| 240 | 15.600 | 15.560 | 15.715 | VV | 16885  | 302127  | 3.59%                                    | 0.176% |   |
| 241 | 15.762 | 15.715 | 15.788 | VV | 1690   | 34001   | 0.40%                                    | 0.020% |   |
| 242 | 15.805 | 15.788 | 15.821 | VV | 358    | 5808    | 0.07%                                    | 0.003% |   |
| 243 | 15.825 | 15.821 | 15.842 | VV | 276    | 3002    | 0.04%                                    | 0.002% |   |
| 244 | 15.846 | 15.842 | 15.856 | VV | 296    | 2292    | 0.03%                                    | 0.001% |   |
| 245 | 15.877 | 15.856 | 15.899 | VV | 358    | 7310    | 0.09%                                    | 0.004% |   |
| 246 | 15.903 | 15.899 | 15.908 | VV | 220    | 1146    | 0.01%                                    | 0.001% |   |

|                         |        |        |        |     |        |           | Instrument :<br>FID_F                                                            |        | A |
|-------------------------|--------|--------|--------|-----|--------|-----------|----------------------------------------------------------------------------------|--------|---|
|                         |        |        |        |     |        |           | ClientSampleId :<br>B-110-SB01MSD                                                |        |   |
| rterres                 |        |        |        |     |        |           | Manual IntegrationsAPPROVED                                                      |        | B |
| 247                     | 15.916 | 15.908 | 15.930 | VV  | 219    | 2547      | 0.03%                                                                            | 0.001% | C |
| 248                     | 15.959 | 15.930 | 15.995 | VV  | 386    | 8311      |                                                                                  |        | D |
| 249                     | 16.021 | 15.995 | 16.036 | VV  | 192    | 3859      |                                                                                  |        | E |
| 250                     | 16.076 | 16.036 | 16.095 | VV  | 624    | 13420     |                                                                                  |        | F |
|                         |        |        |        |     |        |           | Reviewed By :Yogesh Patel 01/29/2025<br>Supervised By :Ankita Jodhani 01/29/2025 |        | G |
| 251                     | 16.121 | 16.095 | 16.158 | VV  | 561    | 14358     |                                                                                  |        | H |
| 252                     | 16.170 | 16.158 | 16.190 | VV  | 352    | 5381      |                                                                                  |        | I |
| 253                     | 16.248 | 16.190 | 16.289 | VV  | 67323  | 900556    | 10.69%                                                                           | 0.524% | J |
| 254                     | 16.310 | 16.289 | 16.342 | VV  | 461    | 6982      | 0.08%                                                                            | 0.004% |   |
| 255                     | 16.386 | 16.366 | 16.410 | VV  | 236    | 3427      | 0.04%                                                                            | 0.002% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 256                     | 16.419 | 16.410 | 16.453 | VV  | 146    | 2826      | 0.03%                                                                            | 0.002% |   |
| 257                     | 16.480 | 16.453 | 16.512 | VV  | 413    | 5478      | 0.07%                                                                            | 0.003% |   |
| 258                     | 16.619 | 16.575 | 16.649 | VV  | 1398   | 25668     | 0.30%                                                                            | 0.015% |   |
| 259                     | 16.653 | 16.649 | 16.658 | VV  | 330    | 1598      | 0.02%                                                                            | 0.001% |   |
| 260                     | 16.665 | 16.658 | 16.672 | VV  | 303    | 2277      | 0.03%                                                                            | 0.001% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 261                     | 16.725 | 16.672 | 16.740 | VV  | 464795 | 7189481   | 85.34%                                                                           | 4.183% |   |
| 262                     | 16.761 | 16.740 | 16.795 | VV  | 577250 | 7205896   | 85.53%                                                                           | 4.193% |   |
| 263                     | 16.810 | 16.795 | 16.840 | VV  | 2877   | 49448     | 0.59%                                                                            | 0.029% |   |
| 264                     | 16.863 | 16.840 | 16.942 | VV  | 2173   | 57965     | 0.69%                                                                            | 0.034% |   |
| 265                     | 16.969 | 16.942 | 17.012 | VV  | 2295   | 38083     | 0.45%                                                                            | 0.022% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 266                     | 17.037 | 17.012 | 17.059 | VV  | 506    | 10782     | 0.13%                                                                            | 0.006% |   |
| 267                     | 17.107 | 17.059 | 17.164 | VV  | 500595 | 6922187   | 82.16%                                                                           | 4.028% |   |
| 268                     | 17.197 | 17.164 | 17.229 | VV  | 67941  | 936916    | 11.12%                                                                           | 0.545% |   |
| 269                     | 17.247 | 17.229 | 17.360 | VV  | 2220   | 46976     | 0.56%                                                                            | 0.027% |   |
| 270                     | 17.385 | 17.360 | 17.409 | VV  | 195    | 3506      | 0.04%                                                                            | 0.002% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 271                     | 17.429 | 17.409 | 17.453 | VV  | 162    | 2633      | 0.03%                                                                            | 0.002% |   |
| 272                     | 17.464 | 17.453 | 17.477 | PV  | 141    | 1376      | 0.02%                                                                            | 0.001% |   |
| 273                     | 17.483 | 17.477 | 17.497 | VV  | 142    | 1153      | 0.01%                                                                            | 0.001% |   |
| 274                     | 17.532 | 17.505 | 17.546 | VV  | 474    | 7513      | 0.09%                                                                            | 0.004% |   |
| 275                     | 17.562 | 17.546 | 17.587 | VV  | 737    | 13249     | 0.16%                                                                            | 0.008% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 276                     | 17.593 | 17.587 | 17.600 | VV  | 429    | 3296      | 0.04%                                                                            | 0.002% |   |
| 277                     | 17.606 | 17.600 | 17.620 | VV  | 453    | 4603      | 0.05%                                                                            | 0.003% |   |
| 278                     | 17.648 | 17.620 | 17.705 | VV  | 1631   | 29520     | 0.35%                                                                            | 0.017% |   |
| 279                     | 17.741 | 17.705 | 17.746 | VV  | 505    | 6531      | 0.08%                                                                            | 0.004% |   |
| 280                     | 17.749 | 17.746 | 17.775 | VV  | 445    | 5399      | 0.06%                                                                            | 0.003% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 281                     | 17.790 | 17.775 | 17.796 | VV  | 157    | 1531      | 0.02%                                                                            | 0.001% |   |
| 282                     | 17.819 | 17.796 | 17.849 | VV  | 396    | 7666      | 0.09%                                                                            | 0.004% |   |
| 283                     | 17.872 | 17.849 | 17.882 | VV  | 241    | 3238      | 0.04%                                                                            | 0.002% |   |
| 284                     | 17.885 | 17.882 | 17.897 | VV  | 156    | 1078      | 0.01%                                                                            | 0.001% |   |
| 285                     | 17.978 | 17.904 | 17.999 | VV  | 796    | 18426     | 0.22%                                                                            | 0.011% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 286                     | 18.015 | 17.999 | 18.028 | VV  | 248    | 3542      | 0.04%                                                                            | 0.002% |   |
| 287                     | 18.088 | 18.028 | 18.124 | VV  | 61135  | 848247    | 10.07%                                                                           | 0.494% |   |
| 288                     | 18.177 | 18.124 | 18.212 | VV  | 2041   | 35430     | 0.42%                                                                            | 0.021% |   |
| 289                     | 18.265 | 18.212 | 18.289 | VV  | 334    | 9503      | 0.11%                                                                            | 0.006% |   |
| 290                     | 18.320 | 18.296 | 18.341 | PV  | 279    | 3829      | 0.05%                                                                            | 0.002% |   |
|                         |        |        |        |     |        |           |                                                                                  |        |   |
| 291                     | 18.371 | 18.341 | 18.395 | VV  | 374    | 5699      | 0.07%                                                                            | 0.003% |   |
| 292                     | 18.482 | 18.395 | 18.496 | PV  | 464612 | 7480566   | 88.79%                                                                           | 4.353% |   |
| 293                     | 18.521 | 18.496 | 18.684 | VV  | 498043 | 6863313   | 81.46%                                                                           | 3.993% |   |
| 294                     | 18.741 | 18.684 | 18.800 | PBA | 476471 | 7112803   | 84.43%                                                                           | 4.139% |   |
| Sum of corrected areas: |        |        |        |     |        | 171863872 |                                                                                  |        |   |



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015192.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 20:08  
 Operator : YP\AJ  
 Sample : Q1194-01MSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 B-110-SB01MSD

Integration File: autoint1.e  
 Quant Time: Jan 29 02:37:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 14 11:45:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.384 | 4747788    | 38.992 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 77.98%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.281  | 3675308    | 28.308 ug/ml |
| 2) T n-Decane (C10)            | 4.541  | 4689973    | 35.292 ug/ml |
| 4) T n-Dodecane (C12)          | 6.722  | 5539136    | 40.746 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.560  | 6210666    | 45.161 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.174 | 6633343    | 45.780 ug/ml |
| 8) T n-Octadecane (C18)        | 11.625 | 6871558    | 46.233 ug/ml |
| 10) T n-Eicosane (C20)         | 12.940 | 7062344    | 49.203 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.554 | 6767261    | 47.861 ug/ml |
| 13) T n-Docosane (C22)         | 14.143 | 6727990    | 47.852 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.251 | 6588166    | 47.334 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.276 | 6395464    | 47.217 ug/ml |
| 16) T n-Octacosane (C28)       | 17.228 | 6188056    | 47.023 ug/ml |
| 17) T n-Tricontane (C30)       | 18.120 | 6118034    | 46.119 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.954 | 5912017    | 46.875 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.739 | 5662362    | 52.004 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.481 | 5260571    | 56.346 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.231 | 4965606    | 56.585 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.170 | 4762240    | 56.183 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

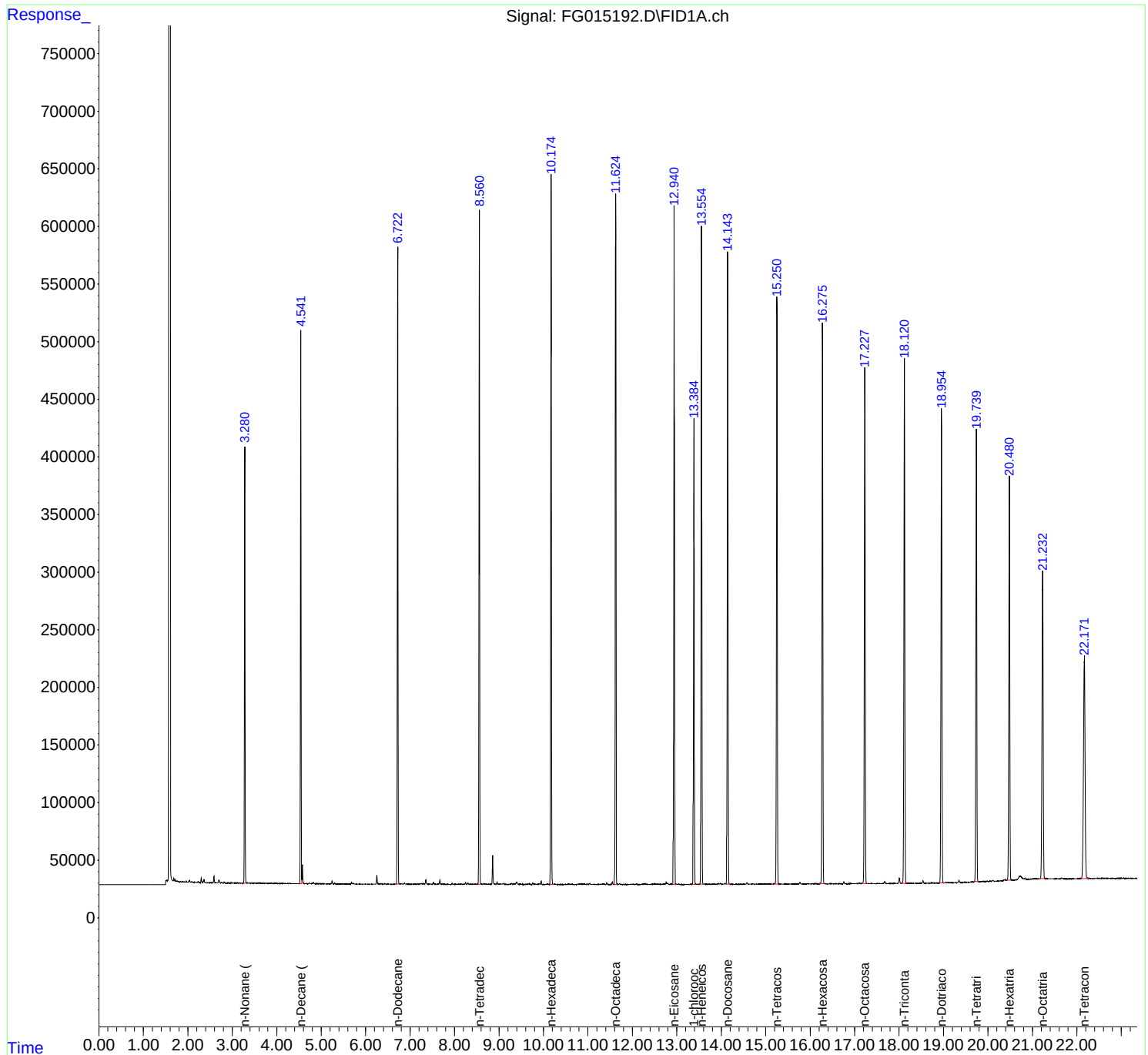


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
Data File : FG015192.D  
Signal(s) : FID1A.ch  
Acq On : 28 Jan 2025 20:08  
Operator : YP\AJ  
Sample : Q1194-01MSD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-110-SB01MSD

Integration File: autoint1.e  
Quant Time: Jan 29 02:37:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.M  
Quant Title : GC Extractables  
QLast Update : Tue Jan 14 11:45:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG012825AL\  
 Data File : FG015192.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Jan 2025 20:08  
 Sample : Q1194-01MSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 011425.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         | 3.281       | 3.221        | 3.410      | BV       | 378772         | 3683800      | 52.11%         | 3.203%        |
| 2         | 3.425       | 3.410        | 3.480      | VV       | 219            | 4640         | 0.07%          | 0.004%        |
| 3         | 3.493       | 3.480        | 3.510      | VV       | 184            | 2705         | 0.04%          | 0.002%        |
| 4         | 3.526       | 3.510        | 3.545      | VV       | 223            | 3113         | 0.04%          | 0.003%        |
| 5         | 3.565       | 3.545        | 3.581      | VV       | 155            | 2324         | 0.03%          | 0.002%        |
| 6         | 3.598       | 3.581        | 3.608      | VV       | 254            | 3233         | 0.05%          | 0.003%        |
| 7         | 3.621       | 3.608        | 3.637      | VV       | 327            | 4061         | 0.06%          | 0.004%        |
| 8         | 3.654       | 3.637        | 3.664      | VV       | 287            | 3547         | 0.05%          | 0.003%        |
| 9         | 3.673       | 3.664        | 3.711      | VV       | 266            | 3500         | 0.05%          | 0.003%        |
| 10        | 3.730       | 3.711        | 3.744      | PV       | 185            | 1900         | 0.03%          | 0.002%        |
| 11        | 3.760       | 3.744        | 3.785      | VV       | 451            | 4714         | 0.07%          | 0.004%        |
| 12        | 3.792       | 3.785        | 3.850      | VV       | 89             | 1538         | 0.02%          | 0.001%        |
| 13        | 3.878       | 3.850        | 3.944      | VV       | 420            | 7109         | 0.10%          | 0.006%        |
| 14        | 3.964       | 3.944        | 4.032      | VV       | 165            | 3701         | 0.05%          | 0.003%        |
| 15        | 4.079       | 4.032        | 4.094      | PV       | 308            | 5060         | 0.07%          | 0.004%        |
| 16        | 4.113       | 4.094        | 4.150      | VV       | 635            | 7823         | 0.11%          | 0.007%        |
| 17        | 4.161       | 4.150        | 4.175      | VV       | 69             | 968          | 0.01%          | 0.001%        |
| 18        | 4.190       | 4.175        | 4.238      | VV       | 171            | 3582         | 0.05%          | 0.003%        |
| 19        | 4.283       | 4.238        | 4.342      | VV       | 473            | 12684        | 0.18%          | 0.011%        |
| 20        | 4.350       | 4.342        | 4.424      | VV       | 120            | 4531         | 0.06%          | 0.004%        |
| 21        | 4.438       | 4.424        | 4.481      | VV       | 158            | 4101         | 0.06%          | 0.004%        |
| 22        | 4.487       | 4.481        | 4.496      | VV       | 141            | 1138         | 0.02%          | 0.001%        |
| 23        | 4.541       | 4.496        | 4.565      | VV       | 480870         | 4698816      | 66.47%         | 4.086%        |
| 24        | 4.577       | 4.565        | 4.641      | VV       | 16597          | 166890       | 2.36%          | 0.145%        |
| 25        | 4.669       | 4.641        | 4.698      | VV       | 343            | 7354         | 0.10%          | 0.006%        |
| 26        | 4.730       | 4.698        | 4.778      | VV       | 858            | 14388        | 0.20%          | 0.013%        |
| 27        | 4.792       | 4.778        | 4.809      | VV       | 641            | 7395         | 0.10%          | 0.006%        |
| 28        | 4.826       | 4.809        | 4.865      | VV       | 1198           | 15934        | 0.23%          | 0.014%        |
| 29        | 4.871       | 4.865        | 4.895      | VV       | 158            | 2406         | 0.03%          | 0.002%        |
| 30        | 4.909       | 4.895        | 4.941      | VV       | 204            | 4501         | 0.06%          | 0.004%        |
| 31        | 4.957       | 4.941        | 4.982      | VV       | 268            | 4712         | 0.07%          | 0.004%        |
| 32        | 4.990       | 4.982        | 5.025      | VV       | 186            | 3464         | 0.05%          | 0.003%        |
| 33        | 5.049       | 5.025        | 5.092      | VV       | 205            | 5289         | 0.07%          | 0.005%        |
| 34        | 5.111       | 5.092        | 5.136      | VV       | 121            | 2018         | 0.03%          | 0.002%        |
| 35        | 5.157       | 5.136        | 5.195      | PV       | 206            | 4083         | 0.06%          | 0.004%        |
| 36        | 5.246       | 5.195        | 5.280      | VV       | 2658           | 36018        | 0.51%          | 0.031%        |

|    |       |       |       |    | rterres |         |        |        |
|----|-------|-------|-------|----|---------|---------|--------|--------|
| 37 | 5.307 | 5.280 | 5.347 | VV | 568     | 8113    | 0.11%  | 0.007% |
| 38 | 5.362 | 5.347 | 5.381 | VV | 80      | 1158    | 0.02%  | 0.001% |
| 39 | 5.387 | 5.381 | 5.401 | VV | 62      | 392     | 0.01%  | 0.000% |
| 40 | 5.425 | 5.401 | 5.437 | VV | 76      | 890     | 0.01%  | 0.001% |
| 41 | 5.455 | 5.437 | 5.477 | VV | 183     | 2156    | 0.03%  | 0.002% |
| 42 | 5.494 | 5.477 | 5.551 | VV | 200     | 3747    | 0.05%  | 0.003% |
| 43 | 5.558 | 5.551 | 5.604 | VV | 103     | 2048    | 0.03%  | 0.002% |
| 44 | 5.640 | 5.604 | 5.661 | VV | 122     | 2663    | 0.04%  | 0.002% |
| 45 | 5.683 | 5.661 | 5.705 | VV | 1767    | 19087   | 0.27%  | 0.017% |
| 46 | 5.728 | 5.705 | 5.754 | VV | 893     | 10830   | 0.15%  | 0.009% |
| 47 | 5.789 | 5.754 | 5.841 | VV | 247     | 4892    | 0.07%  | 0.004% |
| 48 | 5.874 | 5.841 | 5.965 | VV | 230     | 6357    | 0.09%  | 0.006% |
| 49 | 5.995 | 5.965 | 6.021 | VV | 196     | 3464    | 0.05%  | 0.003% |
| 50 | 6.029 | 6.021 | 6.044 | VV | 78      | 875     | 0.01%  | 0.001% |
| 51 | 6.052 | 6.044 | 6.058 | VV | 77      | 501     | 0.01%  | 0.000% |
| 52 | 6.068 | 6.058 | 6.088 | VV | 92      | 1272    | 0.02%  | 0.001% |
| 53 | 6.097 | 6.088 | 6.134 | VV | 93      | 1477    | 0.02%  | 0.001% |
| 54 | 6.167 | 6.134 | 6.194 | PV | 98      | 2999    | 0.04%  | 0.003% |
| 55 | 6.215 | 6.194 | 6.227 | VV | 152     | 2314    | 0.03%  | 0.002% |
| 56 | 6.253 | 6.227 | 6.299 | VV | 7753    | 85492   | 1.21%  | 0.074% |
| 57 | 6.319 | 6.299 | 6.336 | VV | 412     | 6129    | 0.09%  | 0.005% |
| 58 | 6.364 | 6.336 | 6.397 | VV | 772     | 12061   | 0.17%  | 0.010% |
| 59 | 6.427 | 6.397 | 6.473 | VV | 480     | 10114   | 0.14%  | 0.009% |
| 60 | 6.504 | 6.473 | 6.574 | VV | 312     | 11006   | 0.16%  | 0.010% |
| 61 | 6.605 | 6.574 | 6.623 | VV | 183     | 3953    | 0.06%  | 0.003% |
| 62 | 6.640 | 6.623 | 6.668 | VV | 181     | 3312    | 0.05%  | 0.003% |
| 63 | 6.722 | 6.668 | 6.791 | VV | 549359  | 5554585 | 78.57% | 4.830% |
| 64 | 6.807 | 6.791 | 6.831 | VV | 603     | 8357    | 0.12%  | 0.007% |
| 65 | 6.844 | 6.831 | 6.855 | VV | 386     | 3887    | 0.05%  | 0.003% |
| 66 | 6.875 | 6.855 | 6.896 | VV | 1162    | 14096   | 0.20%  | 0.012% |
| 67 | 6.911 | 6.896 | 6.930 | VV | 368     | 4657    | 0.07%  | 0.004% |
| 68 | 6.949 | 6.930 | 6.975 | VV | 466     | 5904    | 0.08%  | 0.005% |
| 69 | 6.984 | 6.975 | 7.024 | VV | 109     | 2589    | 0.04%  | 0.002% |
| 70 | 7.050 | 7.024 | 7.075 | VV | 254     | 4298    | 0.06%  | 0.004% |
| 71 | 7.086 | 7.075 | 7.102 | VV | 136     | 1998    | 0.03%  | 0.002% |
| 72 | 7.116 | 7.102 | 7.157 | VV | 152     | 3455    | 0.05%  | 0.003% |
| 73 | 7.177 | 7.157 | 7.211 | VV | 510     | 6895    | 0.10%  | 0.006% |
| 74 | 7.233 | 7.211 | 7.246 | VV | 659     | 9101    | 0.13%  | 0.008% |
| 75 | 7.255 | 7.246 | 7.269 | VV | 549     | 6361    | 0.09%  | 0.006% |
| 76 | 7.289 | 7.269 | 7.328 | VV | 568     | 13105   | 0.19%  | 0.011% |
| 77 | 7.354 | 7.328 | 7.386 | VV | 4056    | 52598   | 0.74%  | 0.046% |
| 78 | 7.399 | 7.386 | 7.421 | VV | 361     | 4963    | 0.07%  | 0.004% |
| 79 | 7.447 | 7.421 | 7.501 | VV | 320     | 9455    | 0.13%  | 0.008% |
| 80 | 7.527 | 7.501 | 7.555 | VV | 1985    | 23542   | 0.33%  | 0.020% |
| 81 | 7.587 | 7.555 | 7.597 | VV | 266     | 4373    | 0.06%  | 0.004% |
| 82 | 7.608 | 7.597 | 7.620 | VV | 294     | 3002    | 0.04%  | 0.003% |
| 83 | 7.636 | 7.620 | 7.647 | VV | 403     | 4636    | 0.07%  | 0.004% |
| 84 | 7.671 | 7.647 | 7.698 | VV | 3784    | 42143   | 0.60%  | 0.037% |
| 85 | 7.734 | 7.698 | 7.749 | VV | 414     | 7079    | 0.10%  | 0.006% |
| 86 | 7.764 | 7.749 | 7.784 | VV | 458     | 5376    | 0.08%  | 0.005% |
| 87 | 7.795 | 7.784 | 7.819 | VV | 135     | 2186    | 0.03%  | 0.002% |
| 88 | 7.846 | 7.819 | 7.875 | VV | 249     | 4383    | 0.06%  | 0.004% |
| 89 | 7.883 | 7.875 | 7.911 | VV | 108     | 1153    | 0.02%  | 0.001% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 7.938  | 7.911  | 7.968  | PV | 819    | 9558    | 0.14%  | 0.008% |
| 91  | 7.988  | 7.968  | 8.002  | VV | 161    | 2116    | 0.03%  | 0.002% |
| 92  | 8.016  | 8.002  | 8.025  | VV | 214    | 2431    | 0.03%  | 0.002% |
| 93  | 8.037  | 8.025  | 8.067  | VV | 219    | 3488    | 0.05%  | 0.003% |
| 94  | 8.102  | 8.067  | 8.118  | VV | 300    | 6168    | 0.09%  | 0.005% |
| 95  | 8.134  | 8.118  | 8.147  | VV | 370    | 4666    | 0.07%  | 0.004% |
| 96  | 8.158  | 8.147  | 8.183  | VV | 326    | 5024    | 0.07%  | 0.004% |
| 97  | 8.201  | 8.183  | 8.225  | VV | 427    | 5761    | 0.08%  | 0.005% |
| 98  | 8.247  | 8.225  | 8.272  | VV | 1667   | 19790   | 0.28%  | 0.017% |
| 99  | 8.304  | 8.272  | 8.326  | VV | 1380   | 17110   | 0.24%  | 0.015% |
| 100 | 8.342  | 8.326  | 8.360  | VV | 207    | 3604    | 0.05%  | 0.003% |
| 101 | 8.375  | 8.360  | 8.392  | VV | 431    | 4816    | 0.07%  | 0.004% |
| 102 | 8.405  | 8.392  | 8.441  | VV | 274    | 4761    | 0.07%  | 0.004% |
| 103 | 8.461  | 8.441  | 8.490  | VV | 686    | 9430    | 0.13%  | 0.008% |
| 104 | 8.503  | 8.490  | 8.525  | VV | 204    | 3206    | 0.05%  | 0.003% |
| 105 | 8.559  | 8.525  | 8.630  | VV | 584395 | 6225818 | 88.07% | 5.414% |
| 106 | 8.657  | 8.630  | 8.689  | VV | 735    | 15732   | 0.22%  | 0.014% |
| 107 | 8.707  | 8.689  | 8.731  | VV | 426    | 6995    | 0.10%  | 0.006% |
| 108 | 8.752  | 8.731  | 8.774  | VV | 408    | 5981    | 0.08%  | 0.005% |
| 109 | 8.793  | 8.774  | 8.825  | VV | 450    | 6102    | 0.09%  | 0.005% |
| 110 | 8.859  | 8.825  | 8.905  | PV | 25327  | 269808  | 3.82%  | 0.235% |
| 111 | 8.907  | 8.905  | 8.929  | VV | 504    | 5368    | 0.08%  | 0.005% |
| 112 | 8.959  | 8.929  | 8.994  | VV | 1855   | 27434   | 0.39%  | 0.024% |
| 113 | 9.020  | 8.994  | 9.037  | VV | 519    | 9555    | 0.14%  | 0.008% |
| 114 | 9.052  | 9.037  | 9.068  | VV | 554    | 7386    | 0.10%  | 0.006% |
| 115 | 9.099  | 9.068  | 9.139  | VV | 1033   | 22450   | 0.32%  | 0.020% |
| 116 | 9.163  | 9.139  | 9.192  | VV | 405    | 6454    | 0.09%  | 0.006% |
| 117 | 9.218  | 9.192  | 9.241  | PV | 337    | 4742    | 0.07%  | 0.004% |
| 118 | 9.255  | 9.241  | 9.263  | VV | 276    | 2956    | 0.04%  | 0.003% |
| 119 | 9.284  | 9.263  | 9.303  | VV | 979    | 13444   | 0.19%  | 0.012% |
| 120 | 9.323  | 9.303  | 9.368  | VV | 847    | 20944   | 0.30%  | 0.018% |
| 121 | 9.402  | 9.368  | 9.458  | VV | 1935   | 47407   | 0.67%  | 0.041% |
| 122 | 9.476  | 9.458  | 9.496  | VV | 532    | 6547    | 0.09%  | 0.006% |
| 123 | 9.524  | 9.496  | 9.553  | VV | 384    | 5549    | 0.08%  | 0.005% |
| 124 | 9.575  | 9.553  | 9.593  | VV | 216    | 2971    | 0.04%  | 0.003% |
| 125 | 9.629  | 9.593  | 9.661  | VV | 292    | 8747    | 0.12%  | 0.008% |
| 126 | 9.690  | 9.661  | 9.730  | VV | 724    | 12627   | 0.18%  | 0.011% |
| 127 | 9.760  | 9.730  | 9.791  | VV | 1476   | 23987   | 0.34%  | 0.021% |
| 128 | 9.809  | 9.791  | 9.837  | VV | 871    | 11355   | 0.16%  | 0.010% |
| 129 | 9.851  | 9.837  | 9.874  | VV | 255    | 3526    | 0.05%  | 0.003% |
| 130 | 9.903  | 9.874  | 9.926  | VV | 834    | 13559   | 0.19%  | 0.012% |
| 131 | 9.949  | 9.926  | 9.982  | VV | 3106   | 35988   | 0.51%  | 0.031% |
| 132 | 10.010 | 9.982  | 10.023 | VV | 265    | 3075    | 0.04%  | 0.003% |
| 133 | 10.040 | 10.023 | 10.051 | VV | 199    | 1982    | 0.03%  | 0.002% |
| 134 | 10.103 | 10.051 | 10.127 | VV | 580    | 13728   | 0.19%  | 0.012% |
| 135 | 10.174 | 10.127 | 10.228 | VV | 610614 | 6639007 | 93.91% | 5.773% |
| 136 | 10.244 | 10.228 | 10.304 | VV | 383    | 11155   | 0.16%  | 0.010% |
| 137 | 10.318 | 10.304 | 10.329 | VV | 194    | 1931    | 0.03%  | 0.002% |
| 138 | 10.342 | 10.329 | 10.378 | VV | 168    | 2933    | 0.04%  | 0.003% |
| 139 | 10.388 | 10.378 | 10.404 | VV | 53     | 657     | 0.01%  | 0.001% |
| 140 | 10.453 | 10.404 | 10.468 | PV | 245    | 4241    | 0.06%  | 0.004% |
| 141 | 10.492 | 10.468 | 10.525 | VV | 324    | 7315    | 0.10%  | 0.006% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.566 | 10.525 | 10.585 | VV | 528    | 11255   | 0.16%   | 0.010% |
| 143 | 10.605 | 10.585 | 10.625 | VV | 397    | 6812    | 0.10%   | 0.006% |
| 144 | 10.652 | 10.625 | 10.673 | VV | 317    | 6736    | 0.10%   | 0.006% |
| 145 | 10.686 | 10.673 | 10.747 | VV | 209    | 5977    | 0.08%   | 0.005% |
| 146 | 10.777 | 10.747 | 10.789 | VV | 422    | 5969    | 0.08%   | 0.005% |
| 147 | 10.809 | 10.789 | 10.828 | VV | 349    | 6508    | 0.09%   | 0.006% |
| 148 | 10.849 | 10.828 | 10.877 | VV | 559    | 11545   | 0.16%   | 0.010% |
| 149 | 10.913 | 10.877 | 10.950 | VV | 874    | 19611   | 0.28%   | 0.017% |
| 150 | 10.970 | 10.950 | 11.018 | VV | 451    | 13170   | 0.19%   | 0.011% |
| 151 | 11.042 | 11.018 | 11.068 | VV | 1032   | 17777   | 0.25%   | 0.015% |
| 152 | 11.083 | 11.068 | 11.121 | VV | 261    | 7085    | 0.10%   | 0.006% |
| 153 | 11.134 | 11.121 | 11.158 | VV | 268    | 4627    | 0.07%   | 0.004% |
| 154 | 11.168 | 11.158 | 11.181 | VV | 189    | 2182    | 0.03%   | 0.002% |
| 155 | 11.198 | 11.181 | 11.212 | VV | 217    | 3205    | 0.05%   | 0.003% |
| 156 | 11.240 | 11.212 | 11.267 | VV | 359    | 8015    | 0.11%   | 0.007% |
| 157 | 11.288 | 11.267 | 11.305 | VV | 486    | 7005    | 0.10%   | 0.006% |
| 158 | 11.341 | 11.305 | 11.361 | VV | 588    | 11658   | 0.16%   | 0.010% |
| 159 | 11.370 | 11.361 | 11.389 | VV | 279    | 3695    | 0.05%   | 0.003% |
| 160 | 11.422 | 11.389 | 11.465 | VV | 1674   | 23116   | 0.33%   | 0.020% |
| 161 | 11.482 | 11.465 | 11.521 | VV | 101    | 2891    | 0.04%   | 0.003% |
| 162 | 11.551 | 11.521 | 11.582 | VV | 2476   | 34471   | 0.49%   | 0.030% |
| 163 | 11.624 | 11.582 | 11.693 | VV | 600074 | 6885433 | 97.40%  | 5.987% |
| 164 | 11.716 | 11.693 | 11.748 | VV | 836    | 12760   | 0.18%   | 0.011% |
| 165 | 11.759 | 11.748 | 11.765 | VV | 106    | 644     | 0.01%   | 0.001% |
| 166 | 11.774 | 11.765 | 11.792 | VV | 159    | 1162    | 0.02%   | 0.001% |
| 167 | 11.844 | 11.792 | 11.872 | PV | 150    | 3042    | 0.04%   | 0.003% |
| 168 | 11.937 | 11.872 | 11.995 | VV | 291    | 13834   | 0.20%   | 0.012% |
| 169 | 12.011 | 11.995 | 12.055 | VV | 478    | 10749   | 0.15%   | 0.009% |
| 170 | 12.076 | 12.055 | 12.128 | VV | 443    | 10901   | 0.15%   | 0.009% |
| 171 | 12.139 | 12.128 | 12.161 | VV | 166    | 2538    | 0.04%   | 0.002% |
| 172 | 12.286 | 12.161 | 12.317 | VV | 765    | 32463   | 0.46%   | 0.028% |
| 173 | 12.338 | 12.317 | 12.362 | VV | 376    | 7503    | 0.11%   | 0.007% |
| 174 | 12.384 | 12.362 | 12.405 | VV | 242    | 5221    | 0.07%   | 0.005% |
| 175 | 12.427 | 12.405 | 12.469 | VV | 378    | 10928   | 0.15%   | 0.010% |
| 176 | 12.513 | 12.469 | 12.545 | VV | 795    | 21933   | 0.31%   | 0.019% |
| 177 | 12.578 | 12.545 | 12.604 | VV | 627    | 13369   | 0.19%   | 0.012% |
| 178 | 12.624 | 12.604 | 12.648 | VV | 507    | 8683    | 0.12%   | 0.008% |
| 179 | 12.669 | 12.648 | 12.688 | VV | 245    | 4862    | 0.07%   | 0.004% |
| 180 | 12.705 | 12.688 | 12.714 | VV | 297    | 4453    | 0.06%   | 0.004% |
| 181 | 12.759 | 12.714 | 12.780 | VV | 2015   | 36326   | 0.51%   | 0.032% |
| 182 | 12.796 | 12.780 | 12.847 | VV | 1309   | 20213   | 0.29%   | 0.018% |
| 183 | 12.875 | 12.847 | 12.901 | VV | 985    | 13448   | 0.19%   | 0.012% |
| 184 | 12.940 | 12.901 | 12.984 | VV | 588537 | 7069190 | 100.00% | 6.147% |
| 185 | 12.998 | 12.984 | 13.027 | VV | 406    | 7083    | 0.10%   | 0.006% |
| 186 | 13.053 | 13.027 | 13.170 | VV | 317    | 9306    | 0.13%   | 0.008% |
| 187 | 13.228 | 13.170 | 13.244 | PV | 217    | 6957    | 0.10%   | 0.006% |
| 188 | 13.256 | 13.244 | 13.277 | VV | 174    | 2484    | 0.04%   | 0.002% |
| 189 | 13.302 | 13.277 | 13.320 | VV | 230    | 4444    | 0.06%   | 0.004% |
| 190 | 13.336 | 13.320 | 13.343 | VV | 266    | 3097    | 0.04%   | 0.003% |
| 191 | 13.384 | 13.343 | 13.423 | VV | 401258 | 4758420 | 67.31%  | 4.138% |
| 192 | 13.433 | 13.423 | 13.467 | VV | 333    | 6942    | 0.10%   | 0.006% |
| 193 | 13.495 | 13.467 | 13.510 | VV | 344    | 6885    | 0.10%   | 0.006% |
| 194 | 13.554 | 13.510 | 13.593 | VV | 571768 | 6781197 | 95.93%  | 5.896% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 13.606 | 13.593 | 13.665 | VV | 376    | 12271   | 0.17%  | 0.011% |
| 196 | 13.671 | 13.665 | 13.698 | VV | 262    | 3711    | 0.05%  | 0.003% |
| 197 | 13.709 | 13.698 | 13.715 | VV | 161    | 1365    | 0.02%  | 0.001% |
| 198 | 13.751 | 13.715 | 13.790 | VV | 321    | 10040   | 0.14%  | 0.009% |
| 199 | 13.828 | 13.790 | 13.871 | VV | 421    | 13798   | 0.20%  | 0.012% |
| 200 | 13.899 | 13.871 | 13.910 | VV | 327    | 4559    | 0.06%  | 0.004% |
| 201 | 13.931 | 13.910 | 13.958 | VV | 769    | 12598   | 0.18%  | 0.011% |
| 202 | 13.981 | 13.958 | 14.058 | VV | 1141   | 25626   | 0.36%  | 0.022% |
| 203 | 14.085 | 14.058 | 14.105 | VV | 1004   | 15359   | 0.22%  | 0.013% |
| 204 | 14.143 | 14.105 | 14.253 | VV | 552961 | 6744486 | 95.41% | 5.865% |
| 205 | 14.269 | 14.253 | 14.303 | VV | 208    | 2799    | 0.04%  | 0.002% |
| 206 | 14.322 | 14.303 | 14.332 | PV | 106    | 1062    | 0.02%  | 0.001% |
| 207 | 14.370 | 14.332 | 14.422 | VV | 260    | 7404    | 0.10%  | 0.006% |
| 208 | 14.439 | 14.422 | 14.458 | VV | 171    | 2426    | 0.03%  | 0.002% |
| 209 | 14.469 | 14.458 | 14.507 | VV | 184    | 3454    | 0.05%  | 0.003% |
| 210 | 14.576 | 14.507 | 14.678 | VV | 1479   | 31337   | 0.44%  | 0.027% |
| 211 | 14.703 | 14.678 | 14.747 | VV | 499    | 9564    | 0.14%  | 0.008% |
| 212 | 14.762 | 14.747 | 14.771 | VV | 188    | 2205    | 0.03%  | 0.002% |
| 213 | 14.786 | 14.771 | 14.798 | VV | 182    | 2779    | 0.04%  | 0.002% |
| 214 | 14.807 | 14.798 | 14.817 | VV | 188    | 1918    | 0.03%  | 0.002% |
| 215 | 14.838 | 14.817 | 14.881 | VV | 241    | 7726    | 0.11%  | 0.007% |
| 216 | 14.912 | 14.881 | 14.935 | VV | 276    | 6544    | 0.09%  | 0.006% |
| 217 | 14.986 | 14.935 | 14.994 | VV | 240    | 7215    | 0.10%  | 0.006% |
| 218 | 15.020 | 14.994 | 15.037 | VV | 303    | 6353    | 0.09%  | 0.006% |
| 219 | 15.051 | 15.037 | 15.078 | VV | 259    | 5469    | 0.08%  | 0.005% |
| 220 | 15.102 | 15.078 | 15.143 | VV | 364    | 7731    | 0.11%  | 0.007% |
| 221 | 15.156 | 15.143 | 15.163 | VV | 131    | 1296    | 0.02%  | 0.001% |
| 222 | 15.202 | 15.163 | 15.210 | VV | 767    | 10572   | 0.15%  | 0.009% |
| 223 | 15.251 | 15.210 | 15.351 | VV | 511509 | 6594067 | 93.28% | 5.734% |
| 224 | 15.357 | 15.351 | 15.395 | VV | 87     | 1185    | 0.02%  | 0.001% |
| 225 | 15.423 | 15.395 | 15.460 | VV | 171    | 4196    | 0.06%  | 0.004% |
| 226 | 15.475 | 15.460 | 15.538 | VV | 135    | 3812    | 0.05%  | 0.003% |
| 227 | 15.551 | 15.538 | 15.605 | VV | 99     | 2599    | 0.04%  | 0.002% |
| 228 | 15.675 | 15.605 | 15.708 | VV | 232    | 7071    | 0.10%  | 0.006% |
| 229 | 15.768 | 15.708 | 15.852 | VV | 1466   | 28666   | 0.41%  | 0.025% |
| 230 | 15.860 | 15.852 | 15.870 | VV | 115    | 891     | 0.01%  | 0.001% |
| 231 | 15.901 | 15.870 | 15.928 | VV | 149    | 3497    | 0.05%  | 0.003% |
| 232 | 15.946 | 15.928 | 16.028 | VV | 243    | 9084    | 0.13%  | 0.008% |
| 233 | 16.085 | 16.028 | 16.107 | VV | 287    | 8506    | 0.12%  | 0.007% |
| 234 | 16.135 | 16.107 | 16.161 | VV | 299    | 7552    | 0.11%  | 0.007% |
| 235 | 16.165 | 16.161 | 16.198 | VV | 283    | 3579    | 0.05%  | 0.003% |
| 236 | 16.275 | 16.198 | 16.353 | VV | 485116 | 6411422 | 90.70% | 5.575% |
| 237 | 16.365 | 16.353 | 16.390 | VV | 116    | 1696    | 0.02%  | 0.001% |
| 238 | 16.413 | 16.390 | 16.422 | PV | 125    | 1261    | 0.02%  | 0.001% |
| 239 | 16.453 | 16.422 | 16.475 | VV | 224    | 3620    | 0.05%  | 0.003% |
| 240 | 16.480 | 16.475 | 16.515 | VV | 151    | 1798    | 0.03%  | 0.002% |
| 241 | 16.524 | 16.515 | 16.538 | VV | 69     | 417     | 0.01%  | 0.000% |
| 242 | 16.587 | 16.538 | 16.622 | VV | 126    | 3786    | 0.05%  | 0.003% |
| 243 | 16.637 | 16.622 | 16.668 | VV | 164    | 2677    | 0.04%  | 0.002% |
| 244 | 16.756 | 16.668 | 16.791 | VV | 1944   | 31933   | 0.45%  | 0.028% |
| 245 | 16.799 | 16.791 | 16.870 | VV | 183    | 5817    | 0.08%  | 0.005% |
| 246 | 16.881 | 16.870 | 16.891 | VV | 141    | 1207    | 0.02%  | 0.001% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 16.918 | 16.891 | 16.965 | VV | 287    | 9006    | 0.13%  | 0.008% |
| 248 | 16.968 | 16.965 | 16.998 | VV | 232    | 3432    | 0.05%  | 0.003% |
| 249 | 17.007 | 16.998 | 17.015 | VV | 185    | 1559    | 0.02%  | 0.001% |
| 250 | 17.062 | 17.015 | 17.080 | VV | 351    | 8866    | 0.13%  | 0.008% |
| 251 | 17.106 | 17.080 | 17.161 | VV | 563    | 18864   | 0.27%  | 0.016% |
| 252 | 17.228 | 17.161 | 17.297 | VV | 447765 | 6201732 | 87.73% | 5.393% |
| 253 | 17.315 | 17.297 | 17.325 | VV | 203    | 2331    | 0.03%  | 0.002% |
| 254 | 17.332 | 17.325 | 17.360 | VV | 169    | 2464    | 0.03%  | 0.002% |
| 255 | 17.372 | 17.360 | 17.409 | VV | 177    | 3922    | 0.06%  | 0.003% |
| 256 | 17.441 | 17.409 | 17.482 | VV | 126    | 3538    | 0.05%  | 0.003% |
| 257 | 17.525 | 17.482 | 17.535 | PV | 146    | 2752    | 0.04%  | 0.002% |
| 258 | 17.560 | 17.535 | 17.588 | VV | 142    | 2707    | 0.04%  | 0.002% |
| 259 | 17.676 | 17.588 | 17.756 | VV | 1883   | 31351   | 0.44%  | 0.027% |
| 260 | 17.784 | 17.756 | 17.804 | PV | 214    | 3428    | 0.05%  | 0.003% |
| 261 | 17.823 | 17.804 | 17.875 | VV | 238    | 6002    | 0.08%  | 0.005% |
| 262 | 17.912 | 17.875 | 17.948 | VV | 299    | 8307    | 0.12%  | 0.007% |
| 263 | 17.958 | 17.948 | 17.973 | VV | 213    | 2544    | 0.04%  | 0.002% |
| 264 | 18.006 | 17.973 | 18.043 | VV | 4798   | 71100   | 1.01%  | 0.062% |
| 265 | 18.119 | 18.043 | 18.191 | VV | 444989 | 6130558 | 86.72% | 5.331% |
| 266 | 18.205 | 18.191 | 18.227 | VV | 237    | 4019    | 0.06%  | 0.003% |
| 267 | 18.258 | 18.227 | 18.309 | VV | 265    | 8046    | 0.11%  | 0.007% |
| 268 | 18.322 | 18.309 | 18.354 | VV | 80     | 1387    | 0.02%  | 0.001% |
| 269 | 18.395 | 18.354 | 18.416 | PV | 178    | 3423    | 0.05%  | 0.003% |
| 270 | 18.426 | 18.416 | 18.439 | VV | 96     | 900     | 0.01%  | 0.001% |
| 271 | 18.539 | 18.439 | 18.608 | VV | 2243   | 34373   | 0.49%  | 0.030% |
| 272 | 18.629 | 18.608 | 18.652 | VV | 141    | 2063    | 0.03%  | 0.002% |
| 273 | 18.665 | 18.652 | 18.678 | VV | 102    | 1042    | 0.01%  | 0.001% |
| 274 | 18.682 | 18.678 | 18.705 | VV | 101    | 540     | 0.01%  | 0.000% |
| 275 | 18.738 | 18.705 | 18.764 | PV | 140    | 3104    | 0.04%  | 0.003% |
| 276 | 18.793 | 18.764 | 18.824 | VV | 172    | 4067    | 0.06%  | 0.004% |
| 277 | 18.839 | 18.824 | 18.881 | VV | 183    | 3398    | 0.05%  | 0.003% |
| 278 | 18.954 | 18.881 | 19.029 | VV | 411901 | 5914524 | 83.67% | 5.143% |
| 279 | 19.061 | 19.029 | 19.078 | PV | 136    | 1919    | 0.03%  | 0.002% |
| 280 | 19.099 | 19.078 | 19.147 | VV | 156    | 2982    | 0.04%  | 0.003% |
| 281 | 19.157 | 19.147 | 19.177 | VV | 54     | 609     | 0.01%  | 0.001% |
| 282 | 19.205 | 19.177 | 19.227 | VV | 110    | 1795    | 0.03%  | 0.002% |
| 283 | 19.255 | 19.227 | 19.286 | PV | 68     | 1623    | 0.02%  | 0.001% |
| 284 | 19.348 | 19.286 | 19.422 | PV | 2087   | 32294   | 0.46%  | 0.028% |
| 285 | 19.462 | 19.422 | 19.473 | VV | 126    | 2374    | 0.03%  | 0.002% |
| 286 | 19.536 | 19.473 | 19.561 | VV | 161    | 6810    | 0.10%  | 0.006% |
| 287 | 19.601 | 19.561 | 19.615 | VV | 154    | 3765    | 0.05%  | 0.003% |
| 288 | 19.666 | 19.615 | 19.688 | VV | 224    | 8016    | 0.11%  | 0.007% |
| 289 | 19.739 | 19.688 | 19.818 | VV | 386959 | 5693611 | 80.54% | 4.951% |
| 290 | 19.845 | 19.818 | 19.864 | VV | 390    | 8910    | 0.13%  | 0.008% |
| 291 | 19.891 | 19.864 | 19.928 | VV | 503    | 13978   | 0.20%  | 0.012% |
| 292 | 19.993 | 19.928 | 20.012 | VV | 412    | 16909   | 0.24%  | 0.015% |
| 293 | 20.040 | 20.012 | 20.061 | VV | 396    | 9760    | 0.14%  | 0.008% |
| 294 | 20.111 | 20.061 | 20.142 | VV | 1267   | 29412   | 0.42%  | 0.026% |
| 295 | 20.151 | 20.142 | 20.181 | VV | 392    | 7604    | 0.11%  | 0.007% |
| 296 | 20.219 | 20.181 | 20.247 | VV | 475    | 15783   | 0.22%  | 0.014% |
| 297 | 20.298 | 20.247 | 20.308 | VV | 557    | 17157   | 0.24%  | 0.015% |
| 298 | 20.379 | 20.308 | 20.405 | VV | 1452   | 48526   | 0.69%  | 0.042% |
| 299 | 20.481 | 20.405 | 20.551 | VV | 346549 | 5337167 | 75.50% | 4.641% |

|                         |        |        |        |    | rteres    |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 300                     | 20.627 | 20.551 | 20.637 | VV | 915       | 45577   | 0.64%  | 0.040% |
| 301                     | 20.733 | 20.637 | 20.811 | VV | 3978      | 259343  | 3.67%  | 0.226% |
| 302                     | 20.836 | 20.811 | 20.888 | VV | 2149      | 69195   | 0.98%  | 0.060% |
| 303                     | 20.899 | 20.888 | 20.904 | VV | 1127      | 10067   | 0.14%  | 0.009% |
| 304                     | 20.949 | 20.904 | 20.978 | VV | 1265      | 53306   | 0.75%  | 0.046% |
| 305                     | 21.023 | 20.978 | 21.049 | VV | 1431      | 56692   | 0.80%  | 0.049% |
| 306                     | 21.124 | 21.049 | 21.165 | VV | 1361      | 90141   | 1.28%  | 0.078% |
| 307                     | 21.230 | 21.165 | 21.303 | VV | 268708    | 5075558 | 71.80% | 4.413% |
| 308                     | 21.313 | 21.303 | 21.328 | VV | 1243      | 18475   | 0.26%  | 0.016% |
| 309                     | 21.338 | 21.328 | 21.401 | VV | 1233      | 49650   | 0.70%  | 0.043% |
| 310                     | 21.410 | 21.401 | 21.438 | VV | 1050      | 22291   | 0.32%  | 0.019% |
| 311                     | 21.446 | 21.438 | 21.516 | VV | 996       | 42873   | 0.61%  | 0.037% |
| 312                     | 21.567 | 21.516 | 21.615 | VV | 845       | 47098   | 0.67%  | 0.041% |
| 313                     | 21.661 | 21.615 | 21.718 | VV | 1251      | 51861   | 0.73%  | 0.045% |
| 314                     | 21.734 | 21.718 | 21.753 | VV | 561       | 11504   | 0.16%  | 0.010% |
| 315                     | 21.802 | 21.753 | 21.815 | VV | 533       | 18728   | 0.26%  | 0.016% |
| 316                     | 21.828 | 21.815 | 21.909 | VV | 532       | 23298   | 0.33%  | 0.020% |
| 317                     | 21.921 | 21.909 | 21.948 | VV | 400       | 7897    | 0.11%  | 0.007% |
| 318                     | 21.962 | 21.948 | 21.978 | VV | 353       | 6262    | 0.09%  | 0.005% |
| 319                     | 22.028 | 21.978 | 22.068 | VV | 466       | 20861   | 0.30%  | 0.018% |
| 320                     | 22.169 | 22.068 | 22.291 | VV | 190033    | 4800327 | 67.90% | 4.174% |
| 321                     | 22.303 | 22.291 | 22.397 | VV | 223       | 8331    | 0.12%  | 0.007% |
| 322                     | 22.409 | 22.397 | 22.428 | VV | 106       | 1096    | 0.02%  | 0.001% |
| Sum of corrected areas: |        |        |        |    | 115004478 |         |        |        |

Aliphatic EPH 011425.M Wed Jan 29 03:46:25 2025



## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FC012425AL | Instrument | FID_c |
|-----------|------------|------------|-------|

| Sample ID           | File ID    | Parameter                  | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|---------------------|------------|----------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PB166217BS          | FC068112.D | n-Tetracosane (C24)        | yogesh    | 1/27/2025 7:58:19 AM | Ankita        | 1/27/2025 9:08:07 | Peak Integrated by Software |
| PB166217BSD         | FC068113.D | n-Tetracosane (C24)        | yogesh    | 1/27/2025 7:58:22 AM | Ankita        | 1/27/2025 9:08:09 | Peak Integrated by Software |
| Q1169-01            | FC068114.D | 1-chlorooctadecane (SURRE) | yogesh    | 1/27/2025 7:58:21 AM | Ankita        | 1/27/2025 9:08:11 | Peak Integrated by Software |
| Q1169-01            | FC068114.D | ortho-Terphenyl (SURRE)    | yogesh    | 1/27/2025 7:58:21 AM | Ankita        | 1/27/2025 9:08:11 | Peak Integrated by Software |
| Q1169-05MS          | FC068118.D | n-Tetracosane (C24)        | yogesh    | 1/27/2025 7:58:24 AM | Ankita        | 1/27/2025 9:08:13 | Peak Integrated by Software |
| Q1169-05MSD         | FC068119.D | n-Tetracosane (C24)        | yogesh    | 1/27/2025 7:58:25 AM | Ankita        | 1/27/2025 9:08:16 | Peak Integrated by Software |
| Q1170-01            | FC068120.D | 1-chlorooctadecane (SURRE) | yogesh    | 1/27/2025 7:58:26 AM | Ankita        | 1/27/2025 9:08:18 | Peak Integrated by Software |
| Q1170-02            | FC068121.D | 1-chlorooctadecane (SURRE) | yogesh    | 1/27/2025 7:58:28 AM | Ankita        | 1/27/2025 9:08:20 | Peak Integrated by Software |
| Q1170-02            | FC068121.D | ortho-Terphenyl (SURRE)    | yogesh    | 1/27/2025 7:58:28 AM | Ankita        | 1/27/2025 9:08:20 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FC068123.D | n-Dotriacontane (C32)      | yogesh    | 1/27/2025 7:58:29 AM | Ankita        | 1/27/2025 9:08:22 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FC068123.D | n-Hexatriacontane (C36)    | yogesh    | 1/27/2025 7:58:29 AM | Ankita        | 1/27/2025 9:08:22 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FC068123.D | n-Octatriacontane (C38)    | yogesh    | 1/27/2025 7:58:29 AM | Ankita        | 1/27/2025 9:08:22 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FC068123.D | n-Tetracontane (C40)       | yogesh    | 1/27/2025 7:58:29 AM | Ankita        | 1/27/2025 9:08:22 | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

FC012425AL

Instrument

FID\_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

Sequence:

FC012825AL

Instrument

FID\_c

| Sample ID | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|-----------|------------|----------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| Q1168-07  | FC068136.D | n-Tetracontane (C40) | yogesh    | 1/29/2025 7:59:53 AM | Ankita        | 1/29/2025 12:54:49 | Peak Integrated by Software |
| Q1168-07  | FC068137.D | n-Decane (C10)       | yogesh    | 1/29/2025 7:59:55 AM | Ankita        | 1/29/2025 12:54:50 | Peak Integrated by Software |
| Q1168-07  | FC068137.D | n-Tetracontane (C40) | yogesh    | 1/29/2025 7:59:55 AM | Ankita        | 1/29/2025 12:54:50 | Peak Integrated by Software |
| Q1168-08  | FC068138.D | n-Octadecane (C18)   | yogesh    | 1/29/2025 7:59:56 AM | Ankita        | 1/29/2025 12:54:52 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FD012425AR

Instrument

FID\_d

| Sample ID            | File ID    | Parameter                         | Review By | Review On               | Supervised By | Supervised On     | Reason                      |
|----------------------|------------|-----------------------------------|-----------|-------------------------|---------------|-------------------|-----------------------------|
| 5 PPM<br>AROMATIC HC | FD048949.D | Bnezo[k]fluoranthene<br>(C30.14)  | yogesh    | 1/27/2025 7:59:12<br>AM | Ankita        | 1/27/2025 9:08:52 | Peak Integrated by Software |
| 5 PPM<br>AROMATIC HC | FD048949.D | Dibenz[a,h]anthracene<br>(C30.36) | yogesh    | 1/27/2025 7:59:12<br>AM | Ankita        | 1/27/2025 9:08:52 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FD012825AR | Instrument | FID_d |
|-----------|------------|------------|-------|

| Sample ID | File ID    | Parameter                       | Review By | Review On             | Supervised By | Supervised On      | Reason                      |
|-----------|------------|---------------------------------|-----------|-----------------------|---------------|--------------------|-----------------------------|
| Q1168-07  | FD048970.D | Benzo[a]pyrene (C31.34)         | yogesh    | 1/29/2025 12:55:58 PM | Ankita        | 1/29/2025 2:20:48  | Peak Integrated by Software |
| Q1168-07  | FD048970.D | Benzo[g,h,i]perylene (C34.01)   | yogesh    | 1/29/2025 12:55:58 PM | Ankita        | 1/29/2025 2:20:48  | Peak Integrated by Software |
| Q1168-07  | FD048970.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/29/2025 12:55:58 PM | Ankita        | 1/29/2025 2:20:48  | Peak Integrated by Software |
| Q1168-07  | FD048970.D | Flouorene (C16.55)              | yogesh    | 1/29/2025 12:55:58 PM | Ankita        | 1/29/2025 2:20:48  | Peak Integrated by Software |
| Q1168-07  | FD048970.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/29/2025 12:55:58 PM | Ankita        | 1/29/2025 2:20:48  | Peak Integrated by Software |
| Q1168-07  | FD048971.D | Benzo[a]pyrene (C31.34)         | yogesh    | 1/29/2025 12:55:59 PM | Ankita        | 1/29/2025 2:20:50  | Peak Integrated by Software |
| Q1168-07  | FD048971.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 12:55:59 PM | Ankita        | 1/29/2025 2:20:50  | Peak Integrated by Software |
| Q1168-07  | FD048971.D | Chrysene (C27.41)               | yogesh    | 1/29/2025 12:55:59 PM | Ankita        | 1/29/2025 2:20:50  | Peak Integrated by Software |
| Q1168-07  | FD048971.D | Flouorene (C16.55)              | yogesh    | 1/29/2025 12:55:59 PM | Ankita        | 1/29/2025 2:20:50  | Peak Integrated by Software |
| Q1168-07  | FD048971.D | Fluoranthene (C21.85)           | yogesh    | 1/29/2025 12:55:59 PM | Ankita        | 1/29/2025 2:20:50  | Peak Integrated by Software |
| Q1168-08  | FD048972.D | 2-Methylnaphthalene (C12.89)    | yogesh    | 1/29/2025 8:00:11 AM  | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | benzo[b]fluoranthene (C30.41)   | yogesh    | 1/29/2025 8:00:11 AM  | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 8:00:11 AM  | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FD012825AR

Instrument

FID\_d

| Sample ID | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|-----------|------------|---------------------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| Q1168-08  | FD048972.D | Chrysene (C27.41)               | yogesh    | 1/29/2025 8:00:11 AM | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/29/2025 8:00:11 AM | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/29/2025 8:00:11 AM | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | Naphthalene (C11.7)             | yogesh    | 1/29/2025 8:00:11 AM | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |
| Q1168-08  | FD048972.D | Phenanthrene (C19.36)           | yogesh    | 1/29/2025 8:00:11 AM | Ankita        | 1/29/2025 12:55:03 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FF011425AR

Instrument

FID\_f

| Sample ID              | File ID    | Parameter                         | Review By | Review On               | Supervised By | Supervised On     | Reason                      |
|------------------------|------------|-----------------------------------|-----------|-------------------------|---------------|-------------------|-----------------------------|
| 100 PPM<br>AROMATIC HC | FF015238.D | Bnezo[k]fluoranthene<br>(C30.14)  | yogesh    | 1/15/2025 7:42:14<br>AM | Ankita        | 1/15/2025 7:46:44 | Peak Integrated by Software |
| 100 PPM<br>AROMATIC HC | FF015238.D | Dibenz[a,h]anthracene<br>(C30.36) | yogesh    | 1/15/2025 7:42:14<br>AM | Ankita        | 1/15/2025 7:46:44 | Peak Integrated by Software |
| 10 PPM<br>AROMATIC HC  | FF015241.D | Benzo[g,h,i]perylene<br>(C34.01)  | yogesh    | 1/15/2025 7:42:15<br>AM | Ankita        | 1/15/2025 7:46:45 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF012825AR | Instrument | FID_f |
|-----------|------------|------------|-------|

| Sample ID   | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PB166218BL  | FF015326.D | 2-Fluorobiphenyl (SURR)         | yogesh    | 1/29/2025 7:58:35 AM | Ankita        | 1/29/2025 9:15:24 | Peak Integrated by Software |
| PB166218BS  | FF015327.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 7:58:37 AM | Ankita        | 1/29/2025 9:15:26 | Peak Integrated by Software |
| PB166218BS  | FF015327.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/29/2025 7:58:37 AM | Ankita        | 1/29/2025 9:15:26 | Peak Integrated by Software |
| PB166218BSD | FF015328.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 7:58:38 AM | Ankita        | 1/29/2025 9:15:27 | Peak Integrated by Software |
| PB166218BSD | FF015328.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/29/2025 7:58:38 AM | Ankita        | 1/29/2025 9:15:27 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | 2-Methylnaphthalene (C12.89)    | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Benzo[g,h,i]perylene (C34.01)   | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Chrysene (C27.41)               | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Flouorene (C16.55)              | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Fluoranthene (C21.85)           | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01    | FF015329.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |



## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF012825AR | Instrument | FID_f |
|-----------|------------|------------|-------|

| Sample ID | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-----------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1168-01  | FF015329.D | Naphthalene (C11.7)             | yogesh    | 1/29/2025 7:58:41 AM | Ankita        | 1/29/2025 9:15:29 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | Benzo[a]anthracene (C26.37)     | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | benzo[b]fluoranthene (C30.41)   | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | Chrysene (C27.41)               | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-01  | FF015330.D | Naphthalene (C11.7)             | yogesh    | 1/29/2025 7:58:42 AM | Ankita        | 1/29/2025 9:15:30 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | 2-Methylnaphthalene (C12.89)    | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | Chrysene (C27.41)               | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | Flouorene (C16.55)              | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |
| Q1168-02  | FF015331.D | Naphthalene (C11.7)             | yogesh    | 1/29/2025 7:58:44 AM | Ankita        | 1/29/2025 9:15:32 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FF012825AR

Instrument

FID\_f

| Sample ID   | File ID    | Parameter                      | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|--------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1194-01MS  | FF015334.D | Bnezo[k]fluoranthene (C30.14)  | yogesh    | 1/29/2025 7:58:46 AM | Ankita        | 1/29/2025 9:15:33 | Peak Integrated by Software |
| Q1194-01MS  | FF015334.D | Dibenz[a,h]anthracene (C30.36) | yogesh    | 1/29/2025 7:58:46 AM | Ankita        | 1/29/2025 9:15:33 | Peak Integrated by Software |
| Q1194-01MSD | FF015335.D | Bnezo[k]fluoranthene (C30.14)  | yogesh    | 1/29/2025 7:58:48 AM | Ankita        | 1/29/2025 9:15:35 | Peak Integrated by Software |
| Q1194-01MSD | FF015335.D | Dibenz[a,h]anthracene (C30.36) | yogesh    | 1/29/2025 7:58:48 AM | Ankita        | 1/29/2025 9:15:35 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF012925AR | Instrument | FID_f |
|-----------|------------|------------|-------|

| Sample ID | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-----------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1168-07  | FF015355.D | 2-Methylnaphthalene (C12.89)    | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Benzo[a]pyrene (C31.34)         | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | benzo[b]fluoranthene (C30.41)   | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Bnezo[k]fluoranthene (C30.14)   | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Chrysene (C27.41)               | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Flouorene (C16.55)              | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015355.D | Naphthalene (C11.7)             | yogesh    | 1/30/2025 7:41:50 AM | Ankita        | 1/30/2025 9:16:11 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | 2-Methylnaphthalene (C12.89)    | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | Acenaphthylene (C15.06)         | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | Benzo[a]anthracene (C26.37)     | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | benzo[b]fluoranthene (C30.41)   | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FF012925AR

Instrument

FID\_f

| Sample ID | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-----------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1168-07  | FF015356.D | Chrysene (C27.41)               | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | Flouorene (C16.55)              | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-07  | FF015356.D | Naphthalene (C11.7)             | yogesh    | 1/30/2025 7:41:51 AM | Ankita        | 1/30/2025 9:16:12 | Peak Integrated by Software |
| Q1168-08  | FF015357.D | Benzo[a]anthracene (C26.37)     | yogesh    | 1/30/2025 7:41:53 AM | Ankita        | 1/30/2025 9:16:13 | Peak Integrated by Software |
| Q1168-08  | FF015357.D | Flouorene (C16.55)              | yogesh    | 1/30/2025 7:41:53 AM | Ankita        | 1/30/2025 9:16:13 | Peak Integrated by Software |
| Q1168-08  | FF015357.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 1/30/2025 7:41:53 AM | Ankita        | 1/30/2025 9:16:13 | Peak Integrated by Software |
| Q1168-08  | FF015357.D | Naphthalene (C11.7)             | yogesh    | 1/30/2025 7:41:53 AM | Ankita        | 1/30/2025 9:16:13 | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

FG011425AL

Instrument

FID\_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

Sequence:

FG012825AL

Instrument

FID\_g

| Sample ID           | File ID    | Parameter        | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|---------------------|------------|------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1168-01            | FG015187.D | n-Docosane (C22) | yogesh    | 1/29/2025 7:59:39 AM | Ankita        | 1/29/2025 2:20:40 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FG015197.D | n-Docosane (C22) | yogesh    | 1/29/2025 7:59:41 AM | Ankita        | 1/29/2025 2:20:42 | Peak Integrated by Software |

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/24/2025 12:20:40 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/27/2025 9:08:46 AM            |
| SubDirectory                                                       | FC012425AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status   |
|-----|-----------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                       | FC068101.D     | 24 Jan 2025 07:37 | YP/AJ    | Ok       |
| 2   | I.BLK                       | FC068102.D     | 24 Jan 2025 08:12 | YP/AJ    | Ok       |
| 3   | 100 PPM ALIPHATIC HC STD1   | FC068103.D     | 24 Jan 2025 08:47 | YP/AJ    | Ok       |
| 4   | 50 PPM ALIPHATIC HC STD2    | FC068104.D     | 24 Jan 2025 09:23 | YP/AJ    | Ok       |
| 5   | 20 PPM ALIPHATIC HC STD3    | FC068105.D     | 24 Jan 2025 09:58 | YP/AJ    | Ok       |
| 6   | 10 PPM ALIPHATIC HC STD4    | FC068106.D     | 24 Jan 2025 10:34 | YP/AJ    | Ok       |
| 7   | 5 PPM ALIPHATIC HC STD5     | FC068107.D     | 24 Jan 2025 11:10 | YP/AJ    | Ok       |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FC068108.D     | 24 Jan 2025 11:46 | YP/AJ    | Ok       |
| 9   | I.BLK                       | FC068109.D     | 24 Jan 2025 12:23 | YP/AJ    | Ok       |
| 10  | 20 PPM ALIPHATIC HC STD     | FC068110.D     | 24 Jan 2025 12:59 | YP/AJ    | Ok       |
| 11  | PB166217BL                  | FC068111.D     | 24 Jan 2025 13:36 | YP/AJ    | Ok       |
| 12  | PB166217BS                  | FC068112.D     | 24 Jan 2025 14:12 | YP/AJ    | Ok,M     |
| 13  | PB166217BSD                 | FC068113.D     | 24 Jan 2025 14:50 | YP/AJ    | Ok,M     |
| 14  | Q1169-01                    | FC068114.D     | 24 Jan 2025 15:26 | YP/AJ    | Dilution |
| 15  | Q1169-03                    | FC068115.D     | 24 Jan 2025 16:03 | YP/AJ    | Ok       |
| 16  | Q1169-05                    | FC068116.D     | 24 Jan 2025 16:39 | YP/AJ    | Ok       |
| 17  | Q1169-05D                   | FC068117.D     | 24 Jan 2025 17:17 | YP/AJ    | Ok       |
| 18  | Q1169-05MS                  | FC068118.D     | 24 Jan 2025 17:53 | YP/AJ    | Ok,M     |
| 19  | Q1169-05MSD                 | FC068119.D     | 24 Jan 2025 18:30 | YP/AJ    | Ok,M     |
| 20  | Q1170-01                    | FC068120.D     | 24 Jan 2025 19:06 | YP/AJ    | Ok,M     |
| 21  | Q1170-02                    | FC068121.D     | 24 Jan 2025 19:43 | YP/AJ    | Ok,M     |

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL**

| Review By                                                          | yogesh                                  | Review On         | 1/24/2025 12:20:40 PM           |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/27/2025 9:08:46 AM            |
| SubDirectory                                                       | FC012425AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| STD. NAME                                                          | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

|    |                         |            |                   |       |      |
|----|-------------------------|------------|-------------------|-------|------|
| 22 | I.BLK                   | FC068122.D | 24 Jan 2025 20:57 | YP/AJ | Ok   |
| 23 | 20 PPM ALIPHATIC HC STD | FC068123.D | 24 Jan 2025 21:33 | YP/AJ | Ok,M |

M : Manual Integration



Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012825AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/28/2025 12:54:30 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/29/2025 12:54:55 PM           |
| SubDirectory                                                       | FC012825AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status |
|-----|-------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                   | FC068130.D     | 28 Jan 2025 09:40 | YP/AJ    | Ok     |
| 2   | I.BLK                   | FC068131.D     | 28 Jan 2025 10:17 | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC STD | FC068132.D     | 28 Jan 2025 15:06 | YP/AJ    | Ok     |
| 4   | PB166219BL              | FC068133.D     | 28 Jan 2025 15:42 | YP/AJ    | Ok     |
| 5   | PB166219BS              | FC068134.D     | 28 Jan 2025 16:18 | YP/AJ    | Ok     |
| 6   | PB166219BSD             | FC068135.D     | 28 Jan 2025 16:55 | YP/AJ    | Ok     |
| 7   | Q1168-07                | FC068136.D     | 28 Jan 2025 17:31 | YP/AJ    | Ok,M   |
| 8   | Q1168-07                | FC068137.D     | 28 Jan 2025 18:07 | YP/AJ    | Ok,M   |
| 9   | Q1168-08                | FC068138.D     | 28 Jan 2025 18:43 | YP/AJ    | Ok,M   |
| 10  | Q1194-08                | FC068139.D     | 28 Jan 2025 19:20 | YP/AJ    | Ok     |
| 11  | I.BLK                   | FC068140.D     | 28 Jan 2025 20:35 | YP/AJ    | Ok     |
| 12  | 20 PPM ALIPHATIC HC STD | FC068141.D     | 28 Jan 2025 21:12 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # FD012425AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/24/2025 12:21:39 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/27/2025 9:08:56 AM            |
| SubDirectory                                                       | FD012425AR                              | HP Acquire Method | HP Processing Method FD012425AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23971                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP23974                         |                   |                                 |

| Sr# | SampleId                   | Data File Name | Date-Time         | Operator | Status |
|-----|----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                      | FD048943.D     | 24 Jan 2025 07:37 | YP/AJ    | Ok     |
| 2   | I.BLK                      | FD048944.D     | 24 Jan 2025 08:12 | YP/AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC STD1   | FD048945.D     | 24 Jan 2025 08:47 | YP/AJ    | Ok     |
| 4   | 50 PPM AROMATIC HC STD2    | FD048946.D     | 24 Jan 2025 09:23 | YP/AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC STD3    | FD048947.D     | 24 Jan 2025 09:58 | YP/AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC STD4    | FD048948.D     | 24 Jan 2025 10:34 | YP/AJ    | Ok     |
| 7   | 5 PPM AROMATIC HC STD5     | FD048949.D     | 24 Jan 2025 11:10 | YP/AJ    | Ok,M   |
| 8   | 20 PPM AROMATIC HC STD ICV | FD048950.D     | 24 Jan 2025 11:46 | YP/AJ    | Ok     |
| 9   | I.BLK                      | FD048951.D     | 24 Jan 2025 12:23 | YP/AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC STD     | FD048952.D     | 24 Jan 2025 12:59 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # FD012825AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/28/2025 12:55:24 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/29/2025 12:55:06 PM           |
| SubDirectory                                                       | FD012825AR                              | HP Acquire Method | HP Processing Method FD012425AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23971                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP23974                         |                   |                                 |

| Sr# | SampleId               | Data File Name | Date-Time         | Operator | Status |
|-----|------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                  | FD048964.D     | 28 Jan 2025 09:40 | YP/AJ    | Ok     |
| 2   | I.BLK                  | FD048965.D     | 28 Jan 2025 10:17 | YP/AJ    | Ok     |
| 3   | 20 PPM AROMATIC HC STD | FD048966.D     | 28 Jan 2025 15:06 | YP/AJ    | Ok     |
| 4   | PB166219BL             | FD048967.D     | 28 Jan 2025 15:42 | YP/AJ    | Ok     |
| 5   | PB166219BS             | FD048968.D     | 28 Jan 2025 16:18 | YP/AJ    | Ok     |
| 6   | PB166219BSD            | FD048969.D     | 28 Jan 2025 16:55 | YP/AJ    | Ok     |
| 7   | Q1168-07               | FD048970.D     | 28 Jan 2025 17:31 | YP/AJ    | Ok,M   |
| 8   | Q1168-07               | FD048971.D     | 28 Jan 2025 18:07 | YP/AJ    | Ok,M   |
| 9   | Q1168-08               | FD048972.D     | 28 Jan 2025 18:43 | YP/AJ    | Ok,M   |
| 10  | Q1194-08               | FD048973.D     | 28 Jan 2025 19:20 | YP/AJ    | Ok     |
| 11  | I.BLK                  | FD048974.D     | 28 Jan 2025 20:35 | YP/AJ    | Ok     |
| 12  | 20 PPM AROMATIC HC STD | FD048975.D     | 28 Jan 2025 21:12 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF011425AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/14/2025 2:48:03 PM            |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/15/2025 7:46:50 AM            |
| SubDirectory                                                       | FF011425AR                              | HP Acquire Method | HP Processing Method FF011425AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23971                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP23974                         |                   |                                 |

| Sr# | SampleId                   | Data File Name | Date-Time         | Operator | Status |
|-----|----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                      | FF015236.D     | 14 Jan 2025 17:48 | YP\AJ    | Ok     |
| 2   | I,BLK                      | FF015237.D     | 14 Jan 2025 18:17 | YP\AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC STD1   | FF015238.D     | 14 Jan 2025 18:45 | YP\AJ    | Ok,M   |
| 4   | 50 PPM AROMATIC HC STD2    | FF015239.D     | 14 Jan 2025 19:13 | YP\AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC STD3    | FF015240.D     | 14 Jan 2025 19:42 | YP\AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC STD4    | FF015241.D     | 14 Jan 2025 20:10 | YP\AJ    | Ok,M   |
| 7   | 5 PPM AROMATIC HC STD5     | FF015242.D     | 14 Jan 2025 20:39 | YP\AJ    | Ok     |
| 8   | 20 PPM AROMATIC HC STD ICV | FF015243.D     | 14 Jan 2025 21:35 | YP\AJ    | Ok     |
| 9   | I.BLK                      | FF015244.D     | 14 Jan 2025 22:04 | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC STD     | FF015245.D     | 14 Jan 2025 22:32 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF012825AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/28/2025 12:11:14 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/29/2025 9:15:39 AM            |
| SubDirectory                                                       | FF012825AR                              | HP Acquire Method | HP Processing Method FF011425AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23971                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP23974                         |                   |                                 |

| Sr# | SampleId               | Data File Name | Date-Time         | Operator | Status |
|-----|------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                  | FF015323.D     | 28 Jan 2025 10:57 | YP\AJ    | Ok     |
| 2   | I.BLK                  | FF015324.D     | 28 Jan 2025 11:26 | YP\AJ    | Ok     |
| 3   | 20 PPM AROMATIC HC STD | FF015325.D     | 28 Jan 2025 14:00 | YP\AJ    | Ok     |
| 4   | PB166218BL             | FF015326.D     | 28 Jan 2025 15:52 | YP\AJ    | Ok,M   |
| 5   | PB166218BS             | FF015327.D     | 28 Jan 2025 16:20 | YP\AJ    | Ok,M   |
| 6   | PB166218BSD            | FF015328.D     | 28 Jan 2025 16:49 | YP\AJ    | Ok,M   |
| 7   | Q1168-01               | FF015329.D     | 28 Jan 2025 17:17 | YP\AJ    | Ok,M   |
| 8   | Q1168-01               | FF015330.D     | 28 Jan 2025 17:46 | YP\AJ    | Ok,M   |
| 9   | Q1168-02               | FF015331.D     | 28 Jan 2025 18:14 | YP\AJ    | Ok,M   |
| 10  | Q1194-01               | FF015332.D     | 28 Jan 2025 18:43 | YP\AJ    | Ok     |
| 11  | Q1194-01D              | FF015333.D     | 28 Jan 2025 19:11 | YP\AJ    | Ok     |
| 12  | Q1194-01MS             | FF015334.D     | 28 Jan 2025 19:40 | YP\AJ    | Ok,M   |
| 13  | Q1194-01MSD            | FF015335.D     | 28 Jan 2025 20:08 | YP\AJ    | Ok,M   |
| 14  | Q1194-02               | FF015336.D     | 28 Jan 2025 20:37 | YP\AJ    | ReRun  |
| 15  | Q1194-03               | FF015337.D     | 28 Jan 2025 21:05 | YP\AJ    | Ok     |
| 16  | Q1194-04               | FF015338.D     | 28 Jan 2025 21:34 | YP\AJ    | Ok     |
| 17  | I.BLK                  | FF015339.D     | 28 Jan 2025 22:31 | YP\AJ    | Ok     |
| 18  | 20 PPM AROMATIC HC STD | FF015340.D     | 28 Jan 2025 22:59 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF012925AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/29/2025 10:35:06 AM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/30/2025 9:16:16 AM            |
| SubDirectory                            | FF012925AR                              | HP Acquire Method | HP Processing Method FF011425AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC                                     | PP23971                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23969,PP23974                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleId               | Data File Name | Date-Time         | Operator | Status |
|-----|------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                  | FF015350.D     | 29 Jan 2025 07:50 | YP\AJ    | Ok     |
| 2   | I.BLK                  | FF015351.D     | 29 Jan 2025 08:18 | YP\AJ    | Ok     |
| 3   | 20 PPM AROMATIC HC STD | FF015352.D     | 29 Jan 2025 09:16 | YP\AJ    | Ok     |
| 4   | Q1194-02               | FF015353.D     | 29 Jan 2025 09:48 | YP\AJ    | Ok     |
| 5   | PB166219BL             | FF015354.D     | 29 Jan 2025 10:16 | YP\AJ    | Ok     |
| 6   | Q1168-07               | FF015355.D     | 29 Jan 2025 10:45 | YP\AJ    | Ok,M   |
| 7   | Q1168-07               | FF015356.D     | 29 Jan 2025 11:13 | YP\AJ    | Ok,M   |
| 8   | Q1168-08               | FF015357.D     | 29 Jan 2025 11:42 | YP\AJ    | Ok,M   |
| 9   | I.BLK                  | FF015358.D     | 29 Jan 2025 12:10 | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC STD | FF015359.D     | 29 Jan 2025 12:39 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG011425AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/14/2025 11:46:37 AM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/15/2025 7:45:46 AM            |
| SubDirectory                                                       | FG011425AL                              | HP Acquire Method | HP Processing Method FG011425AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | I.BLK                       | FG015064.D     | 14 Jan 2025 09:07 | YP\AJ    | Ok     |
| 2   | 100 PPM ALIPHATIC HC STD1   | FG015065.D     | 14 Jan 2025 09:35 | YP\AJ    | Ok     |
| 3   | 50 PPM ALIPHATIC HC STD2    | FG015066.D     | 14 Jan 2025 10:04 | YP\AJ    | Ok     |
| 4   | 20 PPM ALIPHATIC HC STD3    | FG015067.D     | 14 Jan 2025 10:32 | YP\AJ    | Ok     |
| 5   | 10 PPM ALIPHATIC HC STD4    | FG015068.D     | 14 Jan 2025 11:00 | YP\AJ    | Ok     |
| 6   | 5 PPM ALIPHATIC HC STD5     | FG015069.D     | 14 Jan 2025 11:29 | YP\AJ    | Ok     |
| 7   | 20 PPM ALIPHATIC HC STD ICV | FG015070.D     | 14 Jan 2025 11:57 | YP\AJ    | Ok     |
| 8   | I.BLK                       | FG015071.D     | 14 Jan 2025 12:26 | YP\AJ    | Ok     |
| 9   | 20 PPM ALIPHATIC HC STD     | FG015072.D     | 14 Jan 2025 12:54 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG012825AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 1/28/2025 12:12:10 PM           |
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/29/2025 3:56:40 PM            |
| SubDirectory                                                       | FG012825AL                              | HP Acquire Method | HP Processing Method FG011425AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status |
|-----|-------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                   | FG015180.D     | 28 Jan 2025 10:57 | YP\AJ    | Ok     |
| 2   | I.BLK                   | FG015181.D     | 28 Jan 2025 11:26 | YP\AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC STD | FG015182.D     | 28 Jan 2025 14:00 | YP\AJ    | Ok     |
| 4   | PB166218BL              | FG015183.D     | 28 Jan 2025 15:52 | YP\AJ    | Ok     |
| 5   | PB166218BS              | FG015184.D     | 28 Jan 2025 16:20 | YP\AJ    | Ok     |
| 6   | PB166218BSD             | FG015185.D     | 28 Jan 2025 16:49 | YP\AJ    | Ok     |
| 7   | Q1168-01                | FG015186.D     | 28 Jan 2025 17:17 | YP\AJ    | Ok     |
| 8   | Q1168-01                | FG015187.D     | 28 Jan 2025 17:46 | YP\AJ    | Ok,M   |
| 9   | Q1168-02                | FG015188.D     | 28 Jan 2025 18:14 | YP\AJ    | Ok     |
| 10  | Q1194-01                | FG015189.D     | 28 Jan 2025 18:43 | YP\AJ    | Ok     |
| 11  | Q1194-01D               | FG015190.D     | 28 Jan 2025 19:11 | YP\AJ    | Ok     |
| 12  | Q1194-01MS              | FG015191.D     | 28 Jan 2025 19:40 | YP\AJ    | Ok     |
| 13  | Q1194-01MSD             | FG015192.D     | 28 Jan 2025 20:08 | YP\AJ    | Ok     |
| 14  | Q1194-02                | FG015193.D     | 28 Jan 2025 20:37 | YP\AJ    | Ok     |
| 15  | Q1194-03                | FG015194.D     | 28 Jan 2025 21:05 | YP\AJ    | Ok     |
| 16  | Q1194-04                | FG015195.D     | 28 Jan 2025 21:34 | YP\AJ    | Ok     |
| 17  | I.BLK                   | FG015196.D     | 28 Jan 2025 22:31 | YP\AJ    | Ok     |
| 18  | 20 PPM ALIPHATIC HC STD | FG015197.D     | 28 Jan 2025 22:59 | YP\AJ    | Ok,M   |

M : Manual Integration



Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/24/2025 12:20:40 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/27/2025 9:08:46 AM            |
| SubDirectory                            | FC012425AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC                                     | PP23647                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23645,PP23650                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|----------------------|----------------------|----------------|-------------------|------------------|----------|----------|
| 1   | MECL2                | MECL2                | FC068101.D     | 24 Jan 2025 07:37 |                  | YP/AJ    | Ok       |
| 2   | I.BLK                | I.BLK                | FC068102.D     | 24 Jan 2025 08:12 |                  | YP/AJ    | Ok       |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FC068103.D     | 24 Jan 2025 08:47 |                  | YP/AJ    | Ok       |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FC068104.D     | 24 Jan 2025 09:23 |                  | YP/AJ    | Ok       |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068105.D     | 24 Jan 2025 09:58 |                  | YP/AJ    | Ok       |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FC068106.D     | 24 Jan 2025 10:34 |                  | YP/AJ    | Ok       |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FC068107.D     | 24 Jan 2025 11:10 |                  | YP/AJ    | Ok       |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068108.D     | 24 Jan 2025 11:46 |                  | YP/AJ    | Ok       |
| 9   | I.BLK                | I.BLK                | FC068109.D     | 24 Jan 2025 12:23 |                  | YP/AJ    | Ok       |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068110.D     | 24 Jan 2025 12:59 |                  | YP/AJ    | Ok       |
| 11  | PB166217BL           | PB166217BL           | FC068111.D     | 24 Jan 2025 13:36 |                  | YP/AJ    | Ok       |
| 12  | PB166217BS           | PB166217BS           | FC068112.D     | 24 Jan 2025 14:12 |                  | YP/AJ    | Ok,M     |
| 13  | PB166217BSD          | PB166217BSD          | FC068113.D     | 24 Jan 2025 14:50 |                  | YP/AJ    | Ok,M     |
| 14  | Q1169-01             | ARS20-0006           | FC068114.D     | 24 Jan 2025 15:26 | need 5x dilution | YP/AJ    | Dilution |
| 15  | Q1169-03             | REGULATOR-BUILDIN    | FC068115.D     | 24 Jan 2025 16:03 |                  | YP/AJ    | Ok       |
| 16  | Q1169-05             | SPILL-SITE           | FC068116.D     | 24 Jan 2025 16:39 |                  | YP/AJ    | Ok       |
| 17  | Q1169-05D            | Q1169-05D            | FC068117.D     | 24 Jan 2025 17:17 |                  | YP/AJ    | Ok       |
| 18  | Q1169-05MS           | SPILL-SITEMS         | FC068118.D     | 24 Jan 2025 17:53 | FC068116.D       | YP/AJ    | Ok,M     |

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL**

| Review By                               | yogesh                                  | Review On         | 1/24/2025 12:20:40 PM           |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                            | Ankita                                  | Supervise On      | 1/27/2025 9:08:46 AM            |
| SubDirectory                            | FC012425AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| STD. NAME                               | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC                                     | PP23647                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23645,PP23650                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

|    |                     |                     |            |                   |                       |       |      |
|----|---------------------|---------------------|------------|-------------------|-----------------------|-------|------|
| 19 | Q1169-05MSD         | SPILL-SITEMSD       | FC068119.D | 24 Jan 2025 18:30 | FC068116.D!FC068118.D | YP/AJ | Ok,M |
| 20 | Q1170-01            | OR-03-01232025      | FC068120.D | 24 Jan 2025 19:06 |                       | YP/AJ | Ok,M |
| 21 | Q1170-02            | OR-03-01232025-E2   | FC068121.D | 24 Jan 2025 19:43 |                       | YP/AJ | Ok,M |
| 22 | I.BLK               | I.BLK               | FC068122.D | 24 Jan 2025 20:57 |                       | YP/AJ | Ok   |
| 23 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068123.D | 24 Jan 2025 21:33 |                       | YP/AJ | Ok,M |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC012825AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/28/2025 12:54:30 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/29/2025 12:54:55 PM           |
| SubDirectory                            | FC012825AL                              | HP Acquire Method | HP Processing Method FC012425AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC                                     | PP23647                                 |                   |                                 |
| Internal Standard/PEM                   | PP23645,PP23650                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment           | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|-------------------|----------|--------|
| 1   | MECL2               | MECL2               | FC068130.D     | 28 Jan 2025 09:40 |                   | YP/AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FC068131.D     | 28 Jan 2025 10:17 |                   | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068132.D     | 28 Jan 2025 15:06 |                   | YP/AJ    | Ok     |
| 4   | PB166219BL          | PB166219BL          | FC068133.D     | 28 Jan 2025 15:42 |                   | YP/AJ    | Ok     |
| 5   | PB166219BS          | PB166219BS          | FC068134.D     | 28 Jan 2025 16:18 |                   | YP/AJ    | Ok     |
| 6   | PB166219BSD         | PB166219BSD         | FC068135.D     | 28 Jan 2025 16:55 |                   | YP/AJ    | Ok     |
| 7   | Q1168-07            | LOD-MDL-WATER-01-0  | FC068136.D     | 28 Jan 2025 17:31 | 2.5 PPM WATER LOD | YP/AJ    | Ok,M   |
| 8   | Q1168-07            | LOD-MDL-WATER-01-0  | FC068137.D     | 28 Jan 2025 18:07 | 4 PPM WATER LOD   | YP/AJ    | Ok,M   |
| 9   | Q1168-08            | LOQ-WATER-02-QT1-2  | FC068138.D     | 28 Jan 2025 18:43 | 5 PPM WATER LOQ   | YP/AJ    | Ok,M   |
| 10  | Q1194-08            | EB                  | FC068139.D     | 28 Jan 2025 19:20 |                   | YP/AJ    | Ok     |
| 11  | I.BLK               | I.BLK               | FC068140.D     | 28 Jan 2025 20:35 |                   | YP/AJ    | Ok     |
| 12  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068141.D     | 28 Jan 2025 21:12 |                   | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # FD012425AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/24/2025 12:21:39 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/27/2025 9:08:56 AM            |
| SubDirectory                            | FD012425AR                              | HP Acquire Method | HP Processing Method FD012425AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC                                     | PP23971                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP23974                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2               | MECL2               | FD048943.D     | 24 Jan 2025 07:37 |         | YP/AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FD048944.D     | 24 Jan 2025 08:12 |         | YP/AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC | 100 PPM AROMATIC HC | FD048945.D     | 24 Jan 2025 08:47 |         | YP/AJ    | Ok     |
| 4   | 50 PPM AROMATIC HC  | 50 PPM AROMATIC HC  | FD048946.D     | 24 Jan 2025 09:23 |         | YP/AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FD048947.D     | 24 Jan 2025 09:58 |         | YP/AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC  | 10 PPM AROMATIC HC  | FD048948.D     | 24 Jan 2025 10:34 |         | YP/AJ    | Ok     |
| 7   | 5 PPM AROMATIC HC   | 5 PPM AROMATIC HC   | FD048949.D     | 24 Jan 2025 11:10 |         | YP/AJ    | Ok,M   |
| 8   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FD048950.D     | 24 Jan 2025 11:46 |         | YP/AJ    | Ok     |
| 9   | I.BLK               | I.BLK               | FD048951.D     | 24 Jan 2025 12:23 |         | YP/AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FD048952.D     | 24 Jan 2025 12:59 |         | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # FD012825AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/28/2025 12:55:24 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/29/2025 12:55:06 PM           |
| SubDirectory                            | FD012825AR                              | HP Acquire Method | HP Processing Method FD012425AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC                                     | PP23971                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP23974                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID           | ClientID           | Data File Name | Date-Time         | Comment           | Operator | Status |
|-----|--------------------|--------------------|----------------|-------------------|-------------------|----------|--------|
| 1   | MECL2              | MECL2              | FD048964.D     | 28 Jan 2025 09:40 |                   | YP/AJ    | Ok     |
| 2   | I.BLK              | I.BLK              | FD048965.D     | 28 Jan 2025 10:17 |                   | YP/AJ    | Ok     |
| 3   | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FD048966.D     | 28 Jan 2025 15:06 |                   | YP/AJ    | Ok     |
| 4   | PB166219BL         | PB166219BL         | FD048967.D     | 28 Jan 2025 15:42 |                   | YP/AJ    | Ok     |
| 5   | PB166219BS         | PB166219BS         | FD048968.D     | 28 Jan 2025 16:18 |                   | YP/AJ    | Ok     |
| 6   | PB166219BSD        | PB166219BSD        | FD048969.D     | 28 Jan 2025 16:55 |                   | YP/AJ    | Ok     |
| 7   | Q1168-07           | LOD-MDL-WATER-01-0 | FD048970.D     | 28 Jan 2025 17:31 | 2.5 PPM WATER LOD | YP/AJ    | Ok,M   |
| 8   | Q1168-07           | LOD-MDL-WATER-01-0 | FD048971.D     | 28 Jan 2025 18:07 | 4 PPM WATER LOD   | YP/AJ    | Ok,M   |
| 9   | Q1168-08           | LOQ-WATER-02-QT1-2 | FD048972.D     | 28 Jan 2025 18:43 | 5 PPM WATER LOQ   | YP/AJ    | Ok,M   |
| 10  | Q1194-08           | EB                 | FD048973.D     | 28 Jan 2025 19:20 |                   | YP/AJ    | Ok     |
| 11  | I.BLK              | I.BLK              | FD048974.D     | 28 Jan 2025 20:35 |                   | YP/AJ    | Ok     |
| 12  | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FD048975.D     | 28 Jan 2025 21:12 |                   | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF011425AR**

| Review By                               | yogesh                                  | Review On         | 1/14/2025 2:48:03 PM |
|-----------------------------------------|-----------------------------------------|-------------------|----------------------|
| Supervise By                            | Ankita                                  | Supervise On      | 1/15/2025 7:46:50 AM |
| SubDirectory                            | FF011425AR                              | HP Acquire Method | HP Processing Method |
|                                         |                                         |                   | FF011425AR           |
| STD. NAME                               | STD REF.#                               |                   |                      |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                      |
| CCC                                     | PP23971                                 |                   |                      |
| Internal Standard/PEM                   |                                         |                   |                      |
| ICV/I.BLK                               | PP23969,PP23974                         |                   |                      |
| Surrogate Standard                      |                                         |                   |                      |
| MS/MSD Standard                         |                                         |                   |                      |
| LCS Standard                            |                                         |                   |                      |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2               | MECL2               | FF015236.D     | 14 Jan 2025 17:48 |         | YP\AJ    | Ok     |
| 2   | I,BLK               | I,BLK               | FF015237.D     | 14 Jan 2025 18:17 |         | YP\AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC | 100 PPM AROMATIC HC | FF015238.D     | 14 Jan 2025 18:45 |         | YP\AJ    | Ok,M   |
| 4   | 50 PPM AROMATIC HC  | 50 PPM AROMATIC HC  | FF015239.D     | 14 Jan 2025 19:13 |         | YP\AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FF015240.D     | 14 Jan 2025 19:42 |         | YP\AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC  | 10 PPM AROMATIC HC  | FF015241.D     | 14 Jan 2025 20:10 |         | YP\AJ    | Ok,M   |
| 7   | 5 PPM AROMATIC HC   | 5 PPM AROMATIC HC   | FF015242.D     | 14 Jan 2025 20:39 |         | YP\AJ    | Ok     |
| 8   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FF015243.D     | 14 Jan 2025 21:35 |         | YP\AJ    | Ok     |
| 9   | I.BLK               | I.BLK               | FF015244.D     | 14 Jan 2025 22:04 |         | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FF015245.D     | 14 Jan 2025 22:32 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF012825AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/28/2025 12:11:14 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/29/2025 9:15:39 AM            |
| SubDirectory                            | FF012825AR                              | HP Acquire Method | HP Processing Method FF011425AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC                                     | PP23971                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP23974                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID           | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status |
|-----|--------------------|---------------------|----------------|-------------------|-----------------------|----------|--------|
| 1   | MECL2              | MECL2               | FF015323.D     | 28 Jan 2025 10:57 |                       | YPIAJ    | Ok     |
| 2   | I.BLK              | I.BLK               | FF015324.D     | 28 Jan 2025 11:26 |                       | YPIAJ    | Ok     |
| 3   | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC  | FF015325.D     | 28 Jan 2025 14:00 |                       | YPIAJ    | Ok     |
| 4   | PB166218BL         | PB166218BL          | FF015326.D     | 28 Jan 2025 15:52 |                       | YPIAJ    | Ok,M   |
| 5   | PB166218BS         | PB166218BS          | FF015327.D     | 28 Jan 2025 16:20 |                       | YPIAJ    | Ok,M   |
| 6   | PB166218BSD        | PB166218BSD         | FF015328.D     | 28 Jan 2025 16:49 |                       | YPIAJ    | Ok,M   |
| 7   | Q1168-01           | LOD-MDL-SOIL-01-QT  | FF015329.D     | 28 Jan 2025 17:17 | 2.5 PPM SOIL LOD      | YPIAJ    | Ok,M   |
| 8   | Q1168-01           | LOD-MDL-SOIL-01-QT  | FF015330.D     | 28 Jan 2025 17:46 | 4 PPM SOIL LOD        | YPIAJ    | Ok,M   |
| 9   | Q1168-02           | LOQ-SOIL-02-QT1-202 | FF015331.D     | 28 Jan 2025 18:14 | 5 PPM SOIL LOQ        | YPIAJ    | Ok,M   |
| 10  | Q1194-01           | B-110-SB01          | FF015332.D     | 28 Jan 2025 18:43 |                       | YPIAJ    | Ok     |
| 11  | Q1194-01D          | Q1194-01D           | FF015333.D     | 28 Jan 2025 19:11 |                       | YPIAJ    | Ok     |
| 12  | Q1194-01MS         | B-110-SB01MS        | FF015334.D     | 28 Jan 2025 19:40 | FF015332.D            | YPIAJ    | Ok,M   |
| 13  | Q1194-01MSD        | B-110-SB01MSD       | FF015335.D     | 28 Jan 2025 20:08 | FF015332.D!FF015334.D | YPIAJ    | Ok,M   |
| 14  | Q1194-02           | Q1194-02            | FF015336.D     | 28 Jan 2025 20:37 | Surr Fail             | YPIAJ    | ReRun  |
| 15  | Q1194-03           | B-113-SB01          | FF015337.D     | 28 Jan 2025 21:05 |                       | YPIAJ    | Ok     |
| 16  | Q1194-04           | B-113-SB02          | FF015338.D     | 28 Jan 2025 21:34 |                       | YPIAJ    | Ok     |
| 17  | I.BLK              | I.BLK               | FF015339.D     | 28 Jan 2025 22:31 |                       | YPIAJ    | Ok     |
| 18  | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC  | FF015340.D     | 28 Jan 2025 22:59 |                       | YPIAJ    | Ok     |

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF012825AR**

| Review By                                                          | yogesh     | Review On                               | 1/28/2025 12:11:14 PM |            |
|--------------------------------------------------------------------|------------|-----------------------------------------|-----------------------|------------|
| Supervise By                                                       | Ankita     | Supervise On                            | 1/29/2025 9:15:39 AM  |            |
| SubDirectory                                                       | FF012825AR | HP Acquire Method                       | HP Processing Method  | FF011425AR |
| STD. NAME                                                          |            | STD REF.#                               |                       |            |
| Tune/Reschk<br>Initial Calibration Stds                            |            | PP23968,PP23970,PP23971,PP23972,PP23973 |                       |            |
| CCC<br>Internal Standard/PEM                                       |            | PP23971                                 |                       |            |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard |            | PP23969,PP23974                         |                       |            |

M : Manual Integration

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Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF012925AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/29/2025 10:35:06 AM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/30/2025 9:16:16 AM            |
| SubDirectory                            | FF012925AR                              | HP Acquire Method | HP Processing Method FF011425AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP23970,PP23971,PP23972,PP23973 |                   |                                 |
| CCC                                     | PP23971                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP23974                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID           | ClientID           | Data File Name | Date-Time         | Comment           | Operator | Status |
|-----|--------------------|--------------------|----------------|-------------------|-------------------|----------|--------|
| 1   | MECL2              | MECL2              | FF015350.D     | 29 Jan 2025 07:50 |                   | YP\AJ    | Ok     |
| 2   | I.BLK              | I.BLK              | FF015351.D     | 29 Jan 2025 08:18 |                   | YP\AJ    | Ok     |
| 3   | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF015352.D     | 29 Jan 2025 09:16 |                   | YP\AJ    | Ok     |
| 4   | Q1194-02           | B-110-SB02         | FF015353.D     | 29 Jan 2025 09:48 |                   | YP\AJ    | Ok     |
| 5   | PB166219BL         | PB166219BL         | FF015354.D     | 29 Jan 2025 10:16 |                   | YP\AJ    | Ok     |
| 6   | Q1168-07           | LOD-MDL-WATER-01-0 | FF015355.D     | 29 Jan 2025 10:45 | 2.5 PPM WATER LOD | YP\AJ    | Ok,M   |
| 7   | Q1168-07           | LOD-MDL-WATER-01-0 | FF015356.D     | 29 Jan 2025 11:13 | 4 PPM WATER LOD   | YP\AJ    | Ok,M   |
| 8   | Q1168-08           | LOQ-WATER-02-QT1-2 | FF015357.D     | 29 Jan 2025 11:42 | 5 PPM WATER LOQ   | YP\AJ    | Ok,M   |
| 9   | I.BLK              | I.BLK              | FF015358.D     | 29 Jan 2025 12:10 |                   | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF015359.D     | 29 Jan 2025 12:39 |                   | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG011425AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/14/2025 11:46:37 AM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/15/2025 7:45:46 AM            |
| SubDirectory                            | FG011425AL                              | HP Acquire Method | HP Processing Method FG011425AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC                                     | PP23647                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23645,PP23650                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | I.BLK                | I.BLK                | FG015064.D     | 14 Jan 2025 09:07 |         | YP\AJ    | Ok     |
| 2   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FG015065.D     | 14 Jan 2025 09:35 |         | YP\AJ    | Ok     |
| 3   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FG015066.D     | 14 Jan 2025 10:04 |         | YP\AJ    | Ok     |
| 4   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FG015067.D     | 14 Jan 2025 10:32 |         | YP\AJ    | Ok     |
| 5   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FG015068.D     | 14 Jan 2025 11:00 |         | YP\AJ    | Ok     |
| 6   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FG015069.D     | 14 Jan 2025 11:29 |         | YP\AJ    | Ok     |
| 7   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FG015070.D     | 14 Jan 2025 11:57 |         | YP\AJ    | Ok     |
| 8   | I.BLK                | I.BLK                | FG015071.D     | 14 Jan 2025 12:26 |         | YP\AJ    | Ok     |
| 9   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FG015072.D     | 14 Jan 2025 12:54 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG012825AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 1/28/2025 12:12:10 PM           |
| Supervise By                            | Ankita                                  | Supervise On      | 1/29/2025 3:56:40 PM            |
| SubDirectory                            | FG012825AL                              | HP Acquire Method | HP Processing Method FG011425AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC                                     | PP23647                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23645,PP23650                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|-----------------------|----------|--------|
| 1   | MECL2               | MECL2               | FG015180.D     | 28 Jan 2025 10:57 |                       | YPIAJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FG015181.D     | 28 Jan 2025 11:26 |                       | YPIAJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015182.D     | 28 Jan 2025 14:00 |                       | YPIAJ    | Ok     |
| 4   | PB166218BL          | PB166218BL          | FG015183.D     | 28 Jan 2025 15:52 |                       | YPIAJ    | Ok     |
| 5   | PB166218BS          | PB166218BS          | FG015184.D     | 28 Jan 2025 16:20 |                       | YPIAJ    | Ok     |
| 6   | PB166218BSD         | PB166218BSD         | FG015185.D     | 28 Jan 2025 16:49 |                       | YPIAJ    | Ok     |
| 7   | Q1168-01            | LOD-MDL-SOIL-01-QT  | FG015186.D     | 28 Jan 2025 17:17 | 2.5 PPM SOIL LOD      | YPIAJ    | Ok     |
| 8   | Q1168-01            | LOD-MDL-SOIL-01-QT  | FG015187.D     | 28 Jan 2025 17:46 | 4 PPM SOIL LOD        | YPIAJ    | Ok,M   |
| 9   | Q1168-02            | LOQ-SOIL-02-QT1-202 | FG015188.D     | 28 Jan 2025 18:14 | 5 PPM SOIL LOQ        | YPIAJ    | Ok     |
| 10  | Q1194-01            | B-110-SB01          | FG015189.D     | 28 Jan 2025 18:43 |                       | YPIAJ    | Ok     |
| 11  | Q1194-01D           | Q1194-01D           | FG015190.D     | 28 Jan 2025 19:11 |                       | YPIAJ    | Ok     |
| 12  | Q1194-01MS          | B-110-SB01MS        | FG015191.D     | 28 Jan 2025 19:40 | FG015189.D            | YPIAJ    | Ok     |
| 13  | Q1194-01MSD         | B-110-SB01MSD       | FG015192.D     | 28 Jan 2025 20:08 | FG015189.D!FG015191.D | YPIAJ    | Ok     |
| 14  | Q1194-02            | B-110-SB02          | FG015193.D     | 28 Jan 2025 20:37 |                       | YPIAJ    | Ok     |
| 15  | Q1194-03            | B-113-SB01          | FG015194.D     | 28 Jan 2025 21:05 |                       | YPIAJ    | Ok     |
| 16  | Q1194-04            | B-113-SB02          | FG015195.D     | 28 Jan 2025 21:34 |                       | YPIAJ    | Ok     |
| 17  | I.BLK               | I.BLK               | FG015196.D     | 28 Jan 2025 22:31 |                       | YPIAJ    | Ok     |
| 18  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015197.D     | 28 Jan 2025 22:59 |                       | YPIAJ    | Ok,M   |

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG012825AL**

| Review By                                                          | yogesh                                  | Review On         | 1/28/2025 12:12:10 PM           |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                                                       | Ankita                                  | Supervise On      | 1/29/2025 3:56:40 PM            |
| SubDirectory                                                       | FG012825AL                              | HP Acquire Method | HP Processing Method FG011425AL |
| STD. NAME                                                          | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23644,PP23646,PP23647,PP23648,PP23649 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP23647                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23645,PP23650                         |                   |                                 |

M : Manual Integration

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>            | MNJDEP-EPH-7                                                                                                                                                                                                         |                                |            |
| <b>Clean Up SOP #:</b>    | N/A                                                                                                                                                                                                                  | <b>Extraction Start Date :</b> | 01/28/2025 |
| <b>Matrix :</b>           | Solid                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 08:30      |
| <b>Weigh By:</b>          | EH                                                                                                                                                                                                                   | <b>Extraction By:</b>          | RJ         |
| <b>Balance check:</b>     | EH                                                                                                                                                                                                                   | <b>Extraction End Date :</b>   | 01/28/2025 |
| <b>Balance ID:</b>        | EX-SC-2                                                                                                                                                                                                              | <b>Filter By:</b>              | RJ         |
| <b>pH Strip Lot#:</b>     | N/A                                                                                                                                                                                                                  | <b>Extraction End Time :</b>   | 15:45      |
|                           |                                                                                                                                                                                                                      | <b>Concentration By:</b>       | EH         |
|                           |                                                                                                                                                                                                                      | <b>Supervisor By :</b>         | rajesh     |
| <b>Extraction Method:</b> | <input type="checkbox"/> Separatory Funnel <input type="checkbox"/> Continious Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input checked="" type="checkbox"/> Soxhlet |                                |            |

| Standard Name           | MLS USED     | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|--------------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML        | 100 PPM             | PP24092             |
| Surrogate               | 1.0ML        | 100 PPM             | PP24119             |
| Fractionation Surrogate | 1.0ML        | 100 PPM             | PP24108             |
| LOD                     | 0.25ML/0.4ML | 20 PPM              | PP24131             |
| LOQ                     | 0.5ML        | 20 PPM              | PP24131             |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2578     |
| Baked Na2SO4       | N/A            | EP2580     |
| Sand               | N/A            | E2865      |
| Hexane             | N/A            | E3868      |
| Methylene Chloride | N/A            | E3871      |
| EPH Cartridge      | N/A            | E3757      |
| 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:**

1.5ML Vial Lot # 2210673.

|                             |     |                           |          |
|-----------------------------|-----|---------------------------|----------|
| <b>KD Bath ID:</b>          | N/A | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | N/A | <b>Envap Temperature:</b> | 40 °C    |

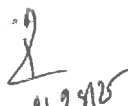
| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 01/28/25    | RP (EPA Lab)                            | Y-P-EPH US.          |
| 15:50       | Preparation Group                       | Analysis Group       |

Analytical Method: MNJDEP-EPH-7

Concentration Date: 01/28/2025

| Sample ID   | Client Sample ID                    | Test | g / mL | PH  | Surr/Spike By: |            | Final Vol. (mL) | JarID | Comments | Prep Pos |
|-------------|-------------------------------------|------|--------|-----|----------------|------------|-----------------|-------|----------|----------|
|             |                                     |      |        |     | AddedBy        | VerifiedBy |                 |       |          |          |
| PB166218BL  | PB166218BL                          | EPH  | 30.01  | N/A | RUPESEH        | ritesh     | 2               |       |          | U3-1     |
| PB166218BS  | PB166218BS                          | EPH  | 30.02  | N/A | RUPESEH        | ritesh     | 2               |       |          | 2        |
| PB166218BSD | PB166218BSD                         | EPH  | 30.01  | N/A | RUPESEH        | ritesh     | 2               |       |          | 3        |
| Q1168-01    | LOD-MDL-SOIL-01-QT1-2025<br>0.25 mL | EPH  | 30.04  | N/A | RUPESEH        | ritesh     | 2               |       |          | 4        |
| Q1168-02    | LOQ-SOIL-02-QT1-2025<br>0.5 mL      | EPH  | 30.02  | N/A | RUPESEH        | ritesh     | 2               |       |          | 5        |
| Q1194-01    | B-110-SB01                          | EPH  | 30.09  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 6        |
| Q1194-01DUP | B-110-SB01DUP                       | EPH  | 30.07  | N/A | RUPESEH        | ritesh     | 2               | E     |          | U2-1     |
| Q1194-01MS  | B-110-SB01MS                        | EPH  | 30.08  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 2        |
| Q1194-01MSD | B-110-SB01MSD                       | EPH  | 30.05  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 3        |
| Q1194-02    | B-110-SB02                          | EPH  | 30.03  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 4        |
| Q1194-03    | B-113-SB01                          | EPH  | 30.06  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 5        |
| Q1194-04    | B-113-SB02                          | EPH  | 30.02  | N/A | RUPESEH        | ritesh     | 2               | E     |          | 6        |
|             | LOQ 0.4 mL                          |      | 30.00  |     |                |            | 2               |       |          | 2.4      |

\* Extracts relinquished on the same date as received.



166249  
8,30

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194N

WorkList ID : 187197

Department : Extraction

Date : 01-28-2025 08:28:49

| Sample   | Customer Sample          | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|--------------------------|--------|------|--------------|----------|-----------------------------|--------------|--------|
| Q1168-01 | LOD-MDL-SOIL-01-QT1-2025 | Solid  | EPH  | Cool 4 deg C | CHEM02   | QA Of                       | 01/23/2025   | NJEPH  |
| Q1168-02 | LOQ-SOIL-02-QT1-2025     | Solid  | EPH  | Cool 4 deg C | CHEM02   | QA Of                       | 01/23/2025   | NJEPH  |
| Q1194-01 | B-110-SB01               | Solid  | EPH  | Cool 4 deg C | PORT06   | N41                         | 01/25/2025   | NJEPH  |
| Q1194-02 | B-110-SB02               | Solid  | EPH  | Cool 4 deg C | PORT06   | N41                         | 01/25/2025   | NJEPH  |
| Q1194-03 | B-113-SB01               | Solid  | EPH  | Cool 4 deg C | PORT06   | N41                         | 01/25/2025   | NJEPH  |
| Q1194-04 | B-113-SB02               | Solid  | EPH  | Cool 4 deg C | PORT06   | N41                         | 01/25/2025   | NJEPH  |

Date/Time 01/28/25 8:28  
Raw Sample Received by: RJ (Ext Lab)  
Raw Sample Relinquished by: JD (Sm)

Date/Time 01/28/25 9:00  
Raw Sample Received by: JD (Sm)  
Raw Sample Relinquished by: RJ (Ext Lab)

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 01/28/2025

Extraction Start Time : 08:31

Extraction End Date : 01/28/2025

Extraction End Time : 14:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel

☐ 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             | PP24092             |
| Surrogate               | 1.0ML        | 100 PPM             | PP24119             |
| Fractionation Surrogate | 1.0ML        | 100 PPM             | PP24108             |
| LOD                     | 0.25ML/0.4ML | 20 PPM              | PP24131             |
| LOQ                     | 0.5ML        | 20 PPM              | PP24131             |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3871      |
| Baked Na2SO4       | N/A            | EP2580     |
| Hexane             | N/A            | E3868      |
| 6N HCL             | N/A            | EP2569     |
| EPH Cartridge      | N/A            | E3757      |
| 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:

1.5ML Vial Lot # 2210673.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 01/28/25    | RP (Ext Lab)                            | TP-pest/1943         |
| 14:55       | Preparation Group                       | Analysis Group       |



Analytical Method: MNJDEP-EPH-7

Concentration Date: 01/28/2025

| Sample ID   | Client Sample ID                     | Test | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-------------|--------------------------------------|------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|             |                                      |      |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166219BL  | PB166219BL                           | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  |       |          | SEP-1       |
| PB166219BS  | PB166219BS                           | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  |       |          | 2           |
| PB166219BSD | PB166219BSD                          | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  |       |          | 3           |
| Q1168-07    | LOD-MDL-WATER-01-QT1-2025<br>0.25 ML | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  |       |          | 4           |
| Q1168-08    | LOQ-WATER-02-QT1-2025<br>0.5 ML      | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  |       |          | 5           |
| Q1194-08    | EB                                   | EPH  | 1000   | <2 | RUPESEH        | ritesh     | 2                  | E     |          | 6           |
|             | LOD - 0.4 ML                         |      | 1000   | <2 |                |            | 2                  |       |          | 7           |

\* Extracts relinquished on the same date as received.

*1/28/25*

16621,  
8:31

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194E

WorkList ID : 187198

Department : Extraction

Date : 01-28-2025 08:30:26

| Sample   | Customer Sample          | Matrix | Test | Preservative      | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|--------------------------|--------|------|-------------------|----------|-----------------------------|--------------|--------|
| Q1168-07 | LOD-MDL-WATER-01-QT1-202 | Water  | EPH  | 1:1 HCl to pH < 2 | CHEM02   | QA Of                       | 01/23/2025   | NJEPH  |
| Q1168-08 | LOQ-WATER-02-QT1-2025    | Water  | EPH  | 1:1 HCl to pH < 2 | CHEM02   | QA Of                       | 01/23/2025   | NJEPH  |
| Q1194-08 | EB                       | Water  | EPH  | 1:1 HCl to pH < 2 | PORT06   | N41                         | 01/25/2025   | NJEPH  |

Date/Time 01/28/25 8:30

Raw Sample Received by: RS (Eer las)

Raw Sample Relinquished by: JDCSM

Date/Time 01/28/25 9:00

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: RS (Eer las)

## LAB CHRONICLE

|                 |                             |                   |                                        |
|-----------------|-----------------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | Q1194                       | <b>OrderDate:</b> | 1/27/2025 9:35:00 AM                   |
| <b>Client:</b>  | Portal Partners Tri-Venture | <b>Project:</b>   | Amtrak Sawtooth Bridges 2025           |
| <b>Contact:</b> | Joseph Krupansky            | <b>Location:</b>  | N41,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID           | ClientID          | Matrix       | Test       | Method         | Sample Date     | Prep Date            | Anal Date            | Received        |
|-----------------|-------------------|--------------|------------|----------------|-----------------|----------------------|----------------------|-----------------|
| <b>Q1194-01</b> | <b>B-110-SB01</b> | <b>Solid</b> | EPH        | NJEPH          | <b>01/25/25</b> | 01/28/25             | 01/28/25             | <b>01/27/25</b> |
| <b>Q1194-02</b> | <b>B-110-SB02</b> | <b>Solid</b> | EPH<br>EPH | NJEPH<br>NJEPH | <b>01/25/25</b> | 01/28/25<br>01/28/25 | 01/28/25<br>01/29/25 | <b>01/27/25</b> |
| <b>Q1194-03</b> | <b>B-113-SB01</b> | <b>Solid</b> | EPH        | NJEPH          | <b>01/25/25</b> | 01/28/25             | 01/28/25             | <b>01/27/25</b> |
| <b>Q1194-04</b> | <b>B-113-SB02</b> | <b>Solid</b> | EPH        | NJEPH          | <b>01/25/25</b> | 01/28/25             | 01/28/25             | <b>01/27/25</b> |
| <b>Q1194-08</b> | <b>EB</b>         | <b>Water</b> | EPH        | NJEPH          | <b>01/25/25</b> | 01/28/25             | 01/28/25             | <b>01/27/25</b> |