



# SAMPLE DATA

## Report of Analysis

|                    |                              |                    |          |
|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/26/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/28/25 |
| Client Sample ID:  | B-167-SB01                   | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1901-02                     | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 82.6     |
| Sample Wt/Vol:     | 30.02                        | Units:             | g        |
| Soil Aliquot Vol:  |                              |                    | uL       |
| Extraction Type:   |                              | Final Vol:         | 1        |
| GPC Factor :       |                              | Test:              | TPH GC   |
| Prep Method :      | SW3541                       | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015766.D        | 1         | 04/29/25 10:49 | 04/29/25 14:51 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 3220  | J         | 465      | 3430       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 10.3  |           | 37 - 130 | 52%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                              |                    |          |
|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/26/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/28/25 |
| Client Sample ID:  | B-170-SB01                   | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1901-03                     | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 83       |
| Sample Wt/Vol:     | 30.08                        | Units:             | g        |
| Soil Aliquot Vol:  |                              |                    | uL       |
| Extraction Type:   |                              | Test:              | TPH GC   |
| GPC Factor :       |                              | Injection Volume : |          |
| Prep Method :      | SW3541                       |                    |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015767.D        | 1         | 04/29/25 10:49 | 04/29/25 15:20 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 51300 |           | 461      | 3410       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 16.2  |           | 37 - 130 | 81%        | SPK: 20           |

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## Report of Analysis

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|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/26/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/28/25 |
| Client Sample ID:  | B-167-SB02                   | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1901-04                     | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 53.2     |
| Sample Wt/Vol:     | 30.05                        | Units:             | g        |
| Soil Aliquot Vol:  |                              |                    | uL       |
| Extraction Type:   |                              | Final Vol:         | 1        |
| GPC Factor :       |                              | Test:              | TPH GC   |
| Prep Method :      | SW3541                       | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015768.D        | 1         | 04/29/25 10:49 | 04/29/25 15:49 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 9080  |           | 721      | 5320       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 19.4  |           | 37 - 130 | 97%        | SPK: 20           |

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|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/26/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/28/25 |
| Client Sample ID:  | B-170-SB02                   | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1901-05                     | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 75.1     |
| Sample Wt/Vol:     | 30.04                        | Units:             | g        |
| Soil Aliquot Vol:  |                              |                    | uL       |
| Extraction Type:   |                              | Final Vol:         | 1        |
| GPC Factor :       |                              | Test:              | TPH GC   |
| Prep Method :      | SW3541                       | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015769.D        | 1         | 04/29/25 10:49 | 04/29/25 16:19 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 3830  |           | 511      | 3770       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 12.0  |           | 37 - 130 | 60%        | SPK: 20           |

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# QC SUMMARY

**SOIL TPH GC SURROGATE RECOVERY**

Lab Name: Chemtech Client: Portal Partners Tri-Venture  
Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

| EPA<br>SAMPLE NO. | S1<br>TETRACOSANE-d50 | S2 | S3 | S4 | TOT<br>OUT |
|-------------------|-----------------------|----|----|----|------------|
| PIBLK-FG015763.D  | 93                    |    |    |    | 0          |
| PIBLK-FG015771.D  | 90                    |    |    |    | 0          |
| PIBLK-FG015780.D  | 90                    |    |    |    | 0          |
| PB167783BL        | 77                    |    |    |    | 0          |
| PB167783BS        | 86                    |    |    |    | 0          |
| AU-6-042425MS     | 71                    |    |    |    | 0          |
| AU-6-042425MSD    | 70                    |    |    |    | 0          |
| B-167-SB01        | 52                    |    |    |    | 0          |
| B-170-SB01        | 81                    |    |    |    | 0          |
| B-167-SB02        | 97                    |    |    |    | 0          |
| B-170-SB02        | 60                    |    |    |    | 0          |

**QC LIMITS**

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate Diluted Out

**SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901  
**Client SampleID :** AU-6-042425MS **Datafile:** FG015776.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | SAMPLE<br>CONCENTRATION<br>ug/kg | MS/MSD<br>CONCENTRATION<br>ug/kg | % REC | Qual | QC LIMITS |
|------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Petroleum Hydrocarbons | 12085                   | 149000                           | 135000                           | -116% | *    | 68-131    |

A  
B  
C  
D  
E  
F  
G  
H  
I  
J



**SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901  
**Client SampleID :** AU-6-042425MSD **Datafile:** FG015777.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | SAMPLE<br>CONCENTRATION<br>ug/kg | MS/MSD<br>CONCENTRATION<br>ug/kg | % REC | Qual | QC LIMITS |
|------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Petroleum Hydrocarbons | 12093                   | 149000                           | 136000                           | -108% | *    | 68-131    |

MS/MSD % Recovery RPD : 7

**SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** Portal Partners Tri-Venture  
**Lab Code:** CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901  
**Matrix Spike - EPA Sample No :** PB167783BS **Datafile:** FG015774.D

| COMPOUND               | SPIKE<br>ADDED<br>ug/kg | CONCENTRATION<br>ug/kg | LCS/LCSD<br>CONCENTRATION<br>ug/kg | % REC | QC LIMITS |
|------------------------|-------------------------|------------------------|------------------------------------|-------|-----------|
| Petroleum Hydrocarbons | 11322                   | 0                      | 8212                               | 72    | 68-131    |

A  
B  
C  
D  
E  
F  
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J

4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167783BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: FG015773.D

Lab Sample ID: PB167783BL

Instrument ID: FG

Date Extracted: 04/29/2025

Matrix: (soil/water) Soil

Date Analyzed: 04/29/25

Level: (low/med) low

Time Analyzed: 19:15

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| B-167-SB01        | Q1901-02         | FG015766.D     | 04/29/25         |
| B-170-SB01        | Q1901-03         | FG015767.D     | 04/29/25         |
| B-167-SB02        | Q1901-04         | FG015768.D     | 04/29/25         |
| B-170-SB02        | Q1901-05         | FG015769.D     | 04/29/25         |
| PB167783BS        | PB167783BS       | FG015774.D     | 04/29/25         |
| AU-6-042425MS     | Q1877-01MS       | FG015776.D     | 04/29/25         |
| AU-6-042425MSD    | Q1877-01MSD      | FG015777.D     | 04/29/25         |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                              |                    |        |
|--------------------|------------------------------|--------------------|--------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    |        |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     |        |
| Client Sample ID:  | PB167783BL                   | SDG No.:           | Q1901  |
| Lab Sample ID:     | PB167783BL                   | Matrix:            | SOIL   |
| Analytical Method: | 8015D TPH                    | % Solid:           | 100    |
| Sample Wt/Vol:     | 30.01                        | Units:             | g      |
| Soil Aliquot Vol:  |                              |                    | uL     |
| Extraction Type:   |                              | Final Vol:         | 1      |
| GPC Factor :       |                              | Test:              | TPH GC |
| Prep Method :      | SW3541                       | Injection Volume : |        |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015773.D        | 1         | 04/29/25 10:49 | 04/29/25 19:15 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 384   | U         | 384      | 2830       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 15.3  |           | 37 - 130 | 77%        | SPK: 20           |

### Comments:

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 E = Value Exceeds Calibration Range  
 P = Indicates >25% difference for detected concentrations between the two GC columns  
 Q = indicates LCS control criteria did not meet requirements  
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
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|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/29/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/29/25 |
| Client Sample ID:  | PIBLK-FG015763.D             | SDG No.:           | Q1901    |
| Lab Sample ID:     | I.BLK-FG015763.D             | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                    | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL               | Decanted:          |          |
| Soil Aliquot Vol:  | uL                           | Final Vol:         | 1 mL     |
| Extraction Type:   |                              | Test:              | TPH GC   |
| GPC Factor :       | PH :                         | Injection Volume : |          |
| Prep Method :      | SW3510                       |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FG015763.D        | 1         |           | 04/29/25      | FG042925      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 12.0  | U         | 12.0     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 18.5  |           | 29 - 130 | 93%        | SPK: 20 |

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|                    |                              |                    |          |
|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/29/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/29/25 |
| Client Sample ID:  | PIBLK-FG015771.D             | SDG No.:           | Q1901    |
| Lab Sample ID:     | I.BLK-FG015771.D             | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                    | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL               | Decanted:          |          |
| Soil Aliquot Vol:  | uL                           | Final Vol:         | 1 mL     |
| Extraction Type:   |                              | Test:              | TPH GC   |
| GPC Factor :       | PH :                         | Injection Volume : |          |
| Prep Method :      | SW3510                       |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FG015771.D        | 1         |           | 04/29/25      | FG042925      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 12.0  | U         | 12.0     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 18.0  |           | 29 - 130 | 90%        | SPK: 20 |

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|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/29/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/29/25 |
| Client Sample ID:  | PIBLK-FG015780.D             | SDG No.:           | Q1901    |
| Lab Sample ID:     | I.BLK-FG015780.D             | Matrix:            | Water    |
| Analytical Method: | 8015D TPH                    | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL               | Decanted:          |          |
| Soil Aliquot Vol:  | uL                           | Final Vol:         | 1 mL     |
| Extraction Type:   |                              | Test:              | TPH GC   |
| GPC Factor :       | PH :                         | Injection Volume : |          |
| Prep Method :      | SW3510                       |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| FG015780.D        | 1         |           | 04/29/25      | FG042925      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                        |       |           |          |            |         |
| PHC               | Petroleum Hydrocarbons | 12.0  | U         | 12.0     | 85.0       | ug/L    |
| <b>SURROGATES</b> |                        |       |           |          |            |         |
| 16416-32-3        | TETRACOSANE-d50        | 18.1  |           | 29 - 130 | 90%        | SPK: 20 |

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|                    |                              |                    |                    |
|--------------------|------------------------------|--------------------|--------------------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    |                    |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     |                    |
| Client Sample ID:  | PB167783BS                   | SDG No.:           | Q1901              |
| Lab Sample ID:     | PB167783BS                   | Matrix:            | SOIL               |
| Analytical Method: | 8015D TPH                    | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.03      Units:    g       | Final Vol:         | 1      mL          |
| Soil Aliquot Vol:  | uL                           | Test:              | TPH GC             |
| Extraction Type:   |                              | Injection Volume : |                    |
| GPC Factor :       | PH :                         |                    |                    |
| Prep Method :      | SW3541                       |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015774.D        | 1         | 04/29/25 10:49 | 04/29/25 19:44 | PB167783      |

| CAS Number        | Parameter              | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |       |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 8210  |           | 384      | 2830       | ug/kg             |
| <b>SURROGATES</b> |                        |       |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 17.1  |           | 37 - 130 | 86%        | SPK: 20           |

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## Report of Analysis

|                    |                              |                    |          |
|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/24/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/24/25 |
| Client Sample ID:  | AU-6-042425MS                | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1877-01MS                   | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 93.5     |
| Sample Wt/Vol:     | 30.09                        | Units:             | g        |
| Soil Aliquot Vol:  |                              |                    | uL       |
| Extraction Type:   |                              | Final Vol:         | 1        |
| GPC Factor :       |                              | Test:              | TPH GC   |
| Prep Method :      | SW3541                       | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015776.D        | 1         | 04/29/25 10:49 | 04/29/25 20:43 | PB167783      |

| CAS Number        | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |        |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 135000 | E         | 409      | 3020       | ug/kg             |
| <b>SURROGATES</b> |                        |        |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 14.3   |           | 37 - 130 | 71%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                              |                    |          |
|--------------------|------------------------------|--------------------|----------|
| Client:            | Portal Partners Tri-Venture  | Date Collected:    | 04/24/25 |
| Project:           | Amtrak Sawtooth Bridges 2025 | Date Received:     | 04/24/25 |
| Client Sample ID:  | AU-6-042425MSD               | SDG No.:           | Q1901    |
| Lab Sample ID:     | Q1877-01MSD                  | Matrix:            | SOIL     |
| Analytical Method: | 8015D TPH                    | % Solid:           | 93.5     |
| Sample Wt/Vol:     | 30.07 Units: g               | Final Vol:         | 1 mL     |
| Soil Aliquot Vol:  | uL                           | Test:              | TPH GC   |
| Extraction Type:   |                              | Injection Volume : |          |
| GPC Factor :       | PH :                         |                    |          |
| Prep Method :      | SW3541                       |                    |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| FG015777.D        | 1         | 04/29/25 10:49 | 04/29/25 21:13 | PB167783      |

| CAS Number        | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                        |        |           |          |            |                   |
| PHC               | Petroleum Hydrocarbons | 136000 | E         | 410      | 3020       | ug/kg             |
| <b>SURROGATES</b> |                        |        |           |          |            |                   |
| 16416-32-3        | TETRACOSANE-d50        | 14.0   |           | 37 - 130 | 70%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# CALIBRATION SUMMARY

### TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: PORT06  
 ProjectID: Amtrak Sawtooth Bridges 2025  
 Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

| Calibration Sequence : FG042425 |            | Test : TPH GC    |                  |
|---------------------------------|------------|------------------|------------------|
| Concentration (PPM)             | Area Count | Reference Factor | File ID          |
| 1700                            | 193935875  | 114080           | FG015756.D       |
| 850                             | 102468017  | 120551           | FG015757.D       |
| 340                             | 41273634   | 121393           | FG015758.D       |
| 170                             | 22173981   | 130435           | FG015759.D       |
| 85                              | 10166512   | 119606           | FG015760.D       |
| AVG RF : 121213                 |            | % RSD : 4.863    | AVG RT : 15.0012 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: PORT06  
ProjectID: Amtrak Sawtooth Bridges 2025  
Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901  
DataFile: FG015764.D Analyst Name: YP\AJ Analyst Date: 04-29-2025

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 104759568  | 123247 | 121213     | 1.678 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: PORT06  
ProjectID: Amtrak Sawtooth Bridges 2025  
Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901  
DataFile: FG015772.D Analyst Name: YP\AJ Analyst Date: 04-29-2025

| Conc. (PPM) | Area Count | RF     | Average RF | %D    |
|-------------|------------|--------|------------|-------|
| 850         | 103719858  | 122023 | 121213     | 0.668 |

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Chemtech Contract: PORT06  
ProjectID: Amtrak Sawtooth Bridges 2025  
Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901  
DataFile: FG015781.D Analyst Name: YP\AJ Analyst Date: 04-29-2025

| Conc. (PPM) | Area Count | RF     | Average RF | %D   |
|-------------|------------|--------|------------|------|
| 850         | 104113155  | 122486 | 121213     | 1.05 |



## Analytical Sequence

**Client:** Portal Partners Tri-Venture

**SDG No.:** Q1901

**Project:** Amtrak Sawtooth Bridges 2025

**Instrument ID:** FID\_G

**GC Column:** RXI-1MS      **ID:** 0.18      (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| MEAN SUROGATE RT FROM INITIAL CALIBRATION <b>15.0012</b> |                  |                           |            |        |   |
|----------------------------------------------------------|------------------|---------------------------|------------|--------|---|
| EPA<br>SAMPLE NO.                                        | LAB<br>SAMPLE ID | DATE AND TIME<br>ANALYZED | DATAFILE   | RT     | # |
| PIBLK01                                                  | LBLK01           | 29 Apr 2025 12:24         | FG015763.D | 15.000 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 29 Apr 2025 12:53         | FG015764.D | 15.002 |   |
| B-167-SB01                                               | Q1901-02         | 29 Apr 2025 14:51         | FG015766.D | 14.999 |   |
| B-170-SB01                                               | Q1901-03         | 29 Apr 2025 15:20         | FG015767.D | 14.950 |   |
| B-167-SB02                                               | Q1901-04         | 29 Apr 2025 15:49         | FG015768.D | 15.000 |   |
| B-170-SB02                                               | Q1901-05         | 29 Apr 2025 16:19         | FG015769.D | 14.999 |   |
| PIBLK02                                                  | LBLK02           | 29 Apr 2025 17:17         | FG015771.D | 15.002 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 29 Apr 2025 18:16         | FG015772.D | 15.004 |   |
| PB167783BL                                               | PB167783BL       | 29 Apr 2025 19:15         | FG015773.D | 15.002 |   |
| PB167783BS                                               | PB167783BS       | 29 Apr 2025 19:44         | FG015774.D | 15.001 |   |
| AU-6-042425MS                                            | Q1877-01MS       | 29 Apr 2025 20:43         | FG015776.D | 14.952 |   |
| AU-6-042425MSD                                           | Q1877-01MSD      | 29 Apr 2025 21:13         | FG015777.D | 14.958 |   |
| PIBLK03                                                  | LBLK03           | 29 Apr 2025 22:41         | FG015780.D | 15.007 |   |
| 50 PPM TRPH STD                                          | 50 PPM TRPH STD  | 29 Apr 2025 23:40         | FG015781.D | 15.009 |   |

# Column used to flag RT values with an \* values outside of QC limits

QC Limits  
(± 0.10 minutes)

Lower Limit  
14.9012

Upper Limits  
15.1012



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015766.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 14:51  
Operator : YP\AJ  
Sample : Q1901-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB01

Integration File: autoint1.e  
Quant Time: Apr 30 01:18:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 14.999 | 1215176  | 10.321 ug/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

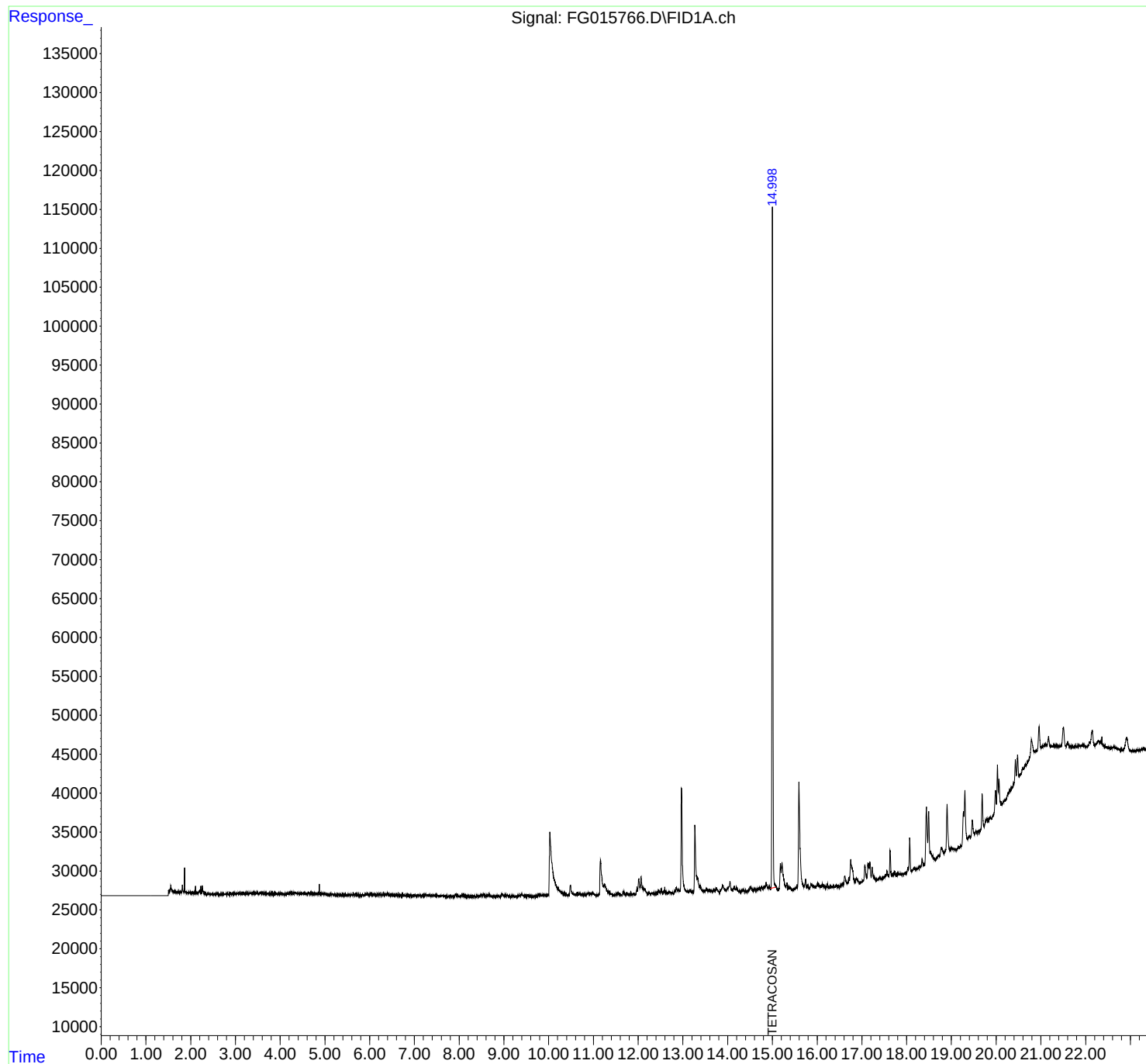
(m)=manual int.

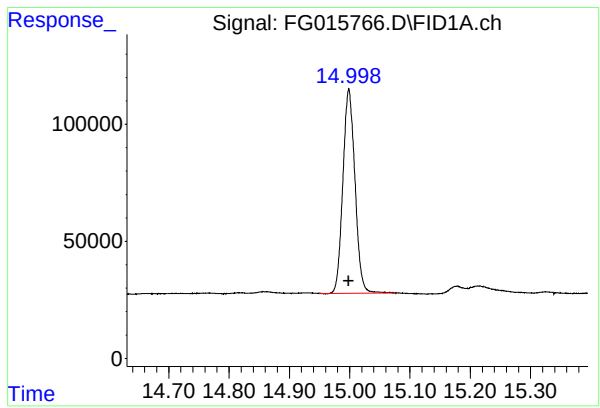
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015766.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 14:51  
Operator : YP\AJ  
Sample : Q1901-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB01

Integration File: autoint1.e  
Quant Time: Apr 30 01:18:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

Sample Results: **FG015766.D**

R.T.: 14.999 min  
Delta R.T.: 0.000 min  
Response: 1215176  
Conc: 10.32 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB01

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015766.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 14:51  
 Sample : Q1901-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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         | 1.915       | 1.900        | 1.931      | BV       | 96             | 821          | 0.07%          | 0.008%        |
| 2         | 1.934       | 1.931        | 1.943      | PV       | 147            | 459          | 0.04%          | 0.004%        |
| 3         | 1.951       | 1.943        | 1.968      | VV       | 116            | 942          | 0.08%          | 0.009%        |
| 4         | 1.986       | 1.968        | 2.002      | VV       | 175            | 2036         | 0.16%          | 0.019%        |
| 5         | 2.010       | 2.002        | 2.029      | VV       | 107            | 1151         | 0.09%          | 0.011%        |
| 6         | 2.033       | 2.029        | 2.037      | PV       | 82             | 249          | 0.02%          | 0.002%        |
| 7         | 2.054       | 2.037        | 2.086      | VV       | 250            | 2463         | 0.20%          | 0.023%        |
| 8         | 2.092       | 2.086        | 2.104      | VV       | 135            | 587          | 0.05%          | 0.005%        |
| 9         | 2.107       | 2.104        | 2.125      | VV       | 858            | 1467         | 0.12%          | 0.013%        |
| 10        | 2.134       | 2.125        | 2.138      | VV       | 92             | 596          | 0.05%          | 0.005%        |
| 11        | 2.144       | 2.138        | 2.151      | VV       | 124            | 633          | 0.05%          | 0.006%        |
| 12        | 2.154       | 2.151        | 2.170      | PV       | 77             | 867          | 0.07%          | 0.008%        |
| 13        | 2.193       | 2.170        | 2.222      | VV       | 403            | 8343         | 0.67%          | 0.077%        |
| 14        | 2.224       | 2.222        | 2.238      | VV       | 945            | 2048         | 0.16%          | 0.019%        |
| 15        | 2.240       | 2.238        | 2.247      | VV       | 518            | 1175         | 0.09%          | 0.011%        |
| 16        | 2.260       | 2.247        | 2.295      | VV       | 1137           | 14391        | 1.15%          | 0.132%        |
| 17        | 2.305       | 2.295        | 2.328      | VV       | 296            | 3657         | 0.29%          | 0.034%        |
| 18        | 2.331       | 2.328        | 2.387      | VV       | 159            | 2384         | 0.19%          | 0.022%        |
| 19        | 2.392       | 2.387        | 2.403      | VV       | 103            | 609          | 0.05%          | 0.006%        |
| 20        | 2.406       | 2.403        | 2.423      | PV       | 116            | 921          | 0.07%          | 0.008%        |
| 21        | 2.430       | 2.423        | 2.437      | VV       | 105            | 616          | 0.05%          | 0.006%        |
| 22        | 2.440       | 2.437        | 2.453      | VV       | 140            | 858          | 0.07%          | 0.008%        |
| 23        | 2.457       | 2.453        | 2.462      | PV       | 114            | 472          | 0.04%          | 0.004%        |
| 24        | 2.470       | 2.462        | 2.473      | VV       | 127            | 692          | 0.06%          | 0.006%        |
| 25        | 2.483       | 2.473        | 2.495      | VV       | 169            | 1461         | 0.12%          | 0.013%        |
| 26        | 2.501       | 2.495        | 2.505      | VV       | 186            | 514          | 0.04%          | 0.005%        |
| 27        | 2.526       | 2.505        | 2.536      | VV       | 157            | 2040         | 0.16%          | 0.019%        |
| 28        | 2.542       | 2.536        | 2.554      | VV       | 165            | 1060         | 0.08%          | 0.010%        |
| 29        | 2.560       | 2.554        | 2.574      | PV       | 193            | 1265         | 0.10%          | 0.012%        |
| 30        | 2.579       | 2.574        | 2.592      | VV       | 116            | 959          | 0.08%          | 0.009%        |
| 31        | 2.598       | 2.592        | 2.605      | VV       | 117            | 721          | 0.06%          | 0.007%        |
| 32        | 2.609       | 2.605        | 2.615      | VV       | 132            | 542          | 0.04%          | 0.005%        |
| 33        | 2.619       | 2.615        | 2.624      | VV       | 145            | 512          | 0.04%          | 0.005%        |
| 34        | 2.629       | 2.624        | 2.637      | VV       | 127            | 727          | 0.06%          | 0.007%        |
| 35        | 2.643       | 2.637        | 2.652      | VV       | 138            | 855          | 0.07%          | 0.008%        |
| 36        | 2.669       | 2.652        | 2.683      | VV       | 137            | 1651         | 0.13%          | 0.015%        |

|    |       |       |       |    | rt  | ret   | area  | %area  |
|----|-------|-------|-------|----|-----|-------|-------|--------|
| 37 | 2.723 | 2.683 | 2.747 | VV | 194 | 4297  | 0.34% | 0.040% |
| 38 | 2.749 | 2.747 | 2.760 | VV | 158 | 835   | 0.07% | 0.008% |
| 39 | 2.766 | 2.760 | 2.772 | VV | 183 | 912   | 0.07% | 0.008% |
| 40 | 2.776 | 2.772 | 2.790 | VV | 158 | 1487  | 0.12% | 0.014% |
| 41 | 2.795 | 2.790 | 2.807 | VV | 167 | 1315  | 0.11% | 0.012% |
| 42 | 2.813 | 2.807 | 2.834 | VV | 170 | 2206  | 0.18% | 0.020% |
| 43 | 2.836 | 2.834 | 2.844 | VV | 189 | 769   | 0.06% | 0.007% |
| 44 | 2.850 | 2.844 | 2.872 | VV | 169 | 2082  | 0.17% | 0.019% |
| 45 | 2.882 | 2.872 | 2.889 | VV | 293 | 1439  | 0.11% | 0.013% |
| 46 | 2.892 | 2.889 | 2.897 | VV | 194 | 729   | 0.06% | 0.007% |
| 47 | 2.905 | 2.897 | 2.912 | VV | 172 | 1172  | 0.09% | 0.011% |
| 48 | 2.922 | 2.912 | 2.928 | VV | 190 | 1380  | 0.11% | 0.013% |
| 49 | 2.933 | 2.928 | 2.963 | VV | 184 | 2649  | 0.21% | 0.024% |
| 50 | 2.978 | 2.963 | 2.982 | VV | 240 | 1836  | 0.15% | 0.017% |
| 51 | 2.988 | 2.982 | 2.993 | VV | 212 | 1145  | 0.09% | 0.011% |
| 52 | 3.000 | 2.993 | 3.010 | VV | 223 | 1539  | 0.12% | 0.014% |
| 53 | 3.014 | 3.010 | 3.024 | VV | 226 | 1350  | 0.11% | 0.012% |
| 54 | 3.042 | 3.024 | 3.057 | VV | 260 | 4032  | 0.32% | 0.037% |
| 55 | 3.063 | 3.057 | 3.082 | VV | 265 | 3130  | 0.25% | 0.029% |
| 56 | 3.106 | 3.082 | 3.126 | VV | 280 | 5680  | 0.45% | 0.052% |
| 57 | 3.132 | 3.126 | 3.157 | VV | 279 | 4052  | 0.32% | 0.037% |
| 58 | 3.172 | 3.157 | 3.181 | VV | 273 | 3411  | 0.27% | 0.031% |
| 59 | 3.189 | 3.181 | 3.222 | VV | 339 | 6213  | 0.50% | 0.057% |
| 60 | 3.226 | 3.222 | 3.229 | VV | 275 | 1011  | 0.08% | 0.009% |
| 61 | 3.232 | 3.229 | 3.242 | VV | 269 | 1930  | 0.15% | 0.018% |
| 62 | 3.245 | 3.242 | 3.265 | VV | 269 | 3132  | 0.25% | 0.029% |
| 63 | 3.276 | 3.265 | 3.282 | VV | 296 | 2509  | 0.20% | 0.023% |
| 64 | 3.289 | 3.282 | 3.316 | VV | 271 | 4775  | 0.38% | 0.044% |
| 65 | 3.326 | 3.316 | 3.342 | VV | 273 | 3728  | 0.30% | 0.034% |
| 66 | 3.348 | 3.342 | 3.353 | VV | 299 | 1729  | 0.14% | 0.016% |
| 67 | 3.359 | 3.353 | 3.367 | VV | 309 | 2151  | 0.17% | 0.020% |
| 68 | 3.372 | 3.367 | 3.477 | VV | 291 | 16689 | 1.33% | 0.153% |
| 69 | 3.491 | 3.477 | 3.536 | VV | 309 | 9140  | 0.73% | 0.084% |
| 70 | 3.547 | 3.536 | 3.632 | VV | 329 | 15584 | 1.25% | 0.143% |
| 71 | 3.646 | 3.632 | 3.658 | VV | 305 | 4132  | 0.33% | 0.038% |
| 72 | 3.665 | 3.658 | 3.708 | VV | 295 | 7800  | 0.62% | 0.072% |
| 73 | 3.715 | 3.708 | 3.748 | VV | 310 | 5927  | 0.47% | 0.054% |
| 74 | 3.754 | 3.748 | 3.771 | VV | 255 | 3199  | 0.26% | 0.029% |
| 75 | 3.811 | 3.771 | 3.845 | VV | 268 | 9841  | 0.79% | 0.090% |
| 76 | 3.852 | 3.845 | 3.859 | VV | 248 | 2037  | 0.16% | 0.019% |
| 77 | 3.867 | 3.859 | 3.959 | VV | 305 | 12573 | 1.00% | 0.116% |
| 78 | 3.985 | 3.959 | 4.023 | VV | 241 | 7970  | 0.64% | 0.073% |
| 79 | 4.039 | 4.023 | 4.066 | VV | 231 | 5289  | 0.42% | 0.049% |
| 80 | 4.077 | 4.066 | 4.102 | VV | 266 | 4432  | 0.35% | 0.041% |
| 81 | 4.109 | 4.102 | 4.121 | VV | 190 | 2083  | 0.17% | 0.019% |
| 82 | 4.131 | 4.121 | 4.139 | VV | 189 | 2045  | 0.16% | 0.019% |
| 83 | 4.194 | 4.139 | 4.204 | VV | 334 | 10630 | 0.85% | 0.098% |
| 84 | 4.240 | 4.204 | 4.279 | VV | 398 | 14423 | 1.15% | 0.133% |
| 85 | 4.333 | 4.279 | 4.434 | VV | 382 | 28027 | 2.24% | 0.258% |
| 86 | 4.461 | 4.434 | 4.491 | VV | 365 | 9229  | 0.74% | 0.085% |
| 87 | 4.515 | 4.491 | 4.529 | VV | 376 | 6574  | 0.53% | 0.060% |
| 88 | 4.541 | 4.529 | 4.599 | VV | 350 | 11408 | 0.91% | 0.105% |
| 89 | 4.630 | 4.599 | 4.665 | VV | 475 | 12006 | 0.96% | 0.110% |

|     |       |       |       |    | rt  | Area  | Height | %Area  | %Height |
|-----|-------|-------|-------|----|-----|-------|--------|--------|---------|
| 90  | 4.683 | 4.665 | 4.771 | VV | 346 | 17456 | 1.39%  | 0.160% |         |
| 91  | 4.790 | 4.771 | 4.841 | VV | 316 | 10230 | 0.82%  | 0.094% |         |
| 92  | 4.848 | 4.841 | 4.871 | VV | 263 | 4523  | 0.36%  | 0.042% |         |
| 93  | 4.875 | 4.871 | 4.889 | VV | 806 | 3677  | 0.29%  | 0.034% |         |
| 94  | 4.922 | 4.889 | 4.942 | VV | 297 | 8063  | 0.64%  | 0.074% |         |
| 95  | 4.964 | 4.942 | 4.985 | VV | 283 | 6463  | 0.52%  | 0.059% |         |
| 96  | 4.995 | 4.985 | 5.025 | VV | 268 | 5590  | 0.45%  | 0.051% |         |
| 97  | 5.040 | 5.025 | 5.056 | VV | 232 | 3925  | 0.31%  | 0.036% |         |
| 98  | 5.070 | 5.056 | 5.115 | VV | 224 | 6390  | 0.51%  | 0.059% |         |
| 99  | 5.171 | 5.115 | 5.205 | VV | 251 | 10010 | 0.80%  | 0.092% |         |
| 100 | 5.227 | 5.205 | 5.278 | VV | 209 | 6701  | 0.54%  | 0.062% |         |
| 101 | 5.286 | 5.278 | 5.301 | VV | 171 | 1983  | 0.16%  | 0.018% |         |
| 102 | 5.315 | 5.301 | 5.375 | VV | 162 | 5194  | 0.41%  | 0.048% |         |
| 103 | 5.382 | 5.375 | 5.440 | VV | 168 | 4162  | 0.33%  | 0.038% |         |
| 104 | 5.487 | 5.440 | 5.541 | VV | 191 | 7589  | 0.61%  | 0.070% |         |
| 105 | 5.557 | 5.541 | 5.701 | VV | 193 | 13315 | 1.06%  | 0.122% |         |
| 106 | 5.714 | 5.701 | 5.755 | VV | 178 | 3869  | 0.31%  | 0.036% |         |
| 107 | 5.760 | 5.755 | 5.788 | VV | 171 | 2310  | 0.18%  | 0.021% |         |
| 108 | 5.821 | 5.788 | 5.868 | VV | 163 | 5777  | 0.46%  | 0.053% |         |
| 109 | 5.961 | 5.868 | 6.018 | VV | 274 | 17683 | 1.41%  | 0.163% |         |
| 110 | 6.094 | 6.018 | 6.150 | VV | 232 | 14408 | 1.15%  | 0.132% |         |
| 111 | 6.175 | 6.150 | 6.201 | VV | 209 | 5271  | 0.42%  | 0.048% |         |
| 112 | 6.221 | 6.201 | 6.274 | VV | 232 | 8448  | 0.67%  | 0.078% |         |
| 113 | 6.397 | 6.274 | 6.543 | VV | 397 | 32990 | 2.64%  | 0.303% |         |
| 114 | 6.575 | 6.543 | 6.648 | VV | 165 | 9410  | 0.75%  | 0.087% |         |
| 115 | 6.687 | 6.648 | 6.863 | VV | 185 | 17946 | 1.43%  | 0.165% |         |
| 116 | 6.874 | 6.863 | 6.944 | VV | 143 | 4578  | 0.37%  | 0.042% |         |
| 117 | 6.998 | 6.944 | 7.068 | VV | 189 | 9951  | 0.79%  | 0.091% |         |
| 118 | 7.097 | 7.068 | 7.124 | VV | 155 | 3874  | 0.31%  | 0.036% |         |
| 119 | 7.167 | 7.124 | 7.201 | VV | 180 | 5549  | 0.44%  | 0.051% |         |
| 120 | 7.262 | 7.201 | 7.361 | VV | 213 | 14590 | 1.17%  | 0.134% |         |
| 121 | 7.374 | 7.361 | 7.567 | VV | 179 | 15637 | 1.25%  | 0.144% |         |
| 122 | 7.584 | 7.567 | 7.615 | VV | 146 | 3282  | 0.26%  | 0.030% |         |
| 123 | 7.624 | 7.615 | 7.701 | VV | 118 | 5249  | 0.42%  | 0.048% |         |
| 124 | 7.724 | 7.701 | 7.764 | VV | 85  | 2327  | 0.19%  | 0.021% |         |
| 125 | 7.773 | 7.764 | 7.789 | VV | 70  | 776   | 0.06%  | 0.007% |         |
| 126 | 7.851 | 7.789 | 7.882 | VV | 96  | 2959  | 0.24%  | 0.027% |         |
| 127 | 7.920 | 7.882 | 7.985 | VV | 330 | 8996  | 0.72%  | 0.083% |         |
| 128 | 8.059 | 7.985 | 8.078 | VV | 218 | 7419  | 0.59%  | 0.068% |         |
| 129 | 8.092 | 8.078 | 8.172 | VV | 320 | 7938  | 0.63%  | 0.073% |         |
| 130 | 8.205 | 8.172 | 8.246 | VV | 103 | 2808  | 0.22%  | 0.026% |         |
| 131 | 8.316 | 8.246 | 8.358 | PV | 120 | 4844  | 0.39%  | 0.045% |         |
| 132 | 8.416 | 8.358 | 8.444 | VV | 140 | 3716  | 0.30%  | 0.034% |         |
| 133 | 8.560 | 8.444 | 8.618 | VV | 353 | 18214 | 1.46%  | 0.167% |         |
| 134 | 8.666 | 8.618 | 8.724 | VV | 336 | 12039 | 0.96%  | 0.111% |         |
| 135 | 8.754 | 8.724 | 8.833 | VV | 139 | 5703  | 0.46%  | 0.052% |         |
| 136 | 8.879 | 8.833 | 8.928 | VV | 194 | 5545  | 0.44%  | 0.051% |         |
| 137 | 8.955 | 8.928 | 9.015 | VV | 377 | 12124 | 0.97%  | 0.111% |         |
| 138 | 9.030 | 9.015 | 9.049 | VV | 194 | 3949  | 0.32%  | 0.036% |         |
| 139 | 9.065 | 9.049 | 9.106 | VV | 217 | 5517  | 0.44%  | 0.051% |         |
| 140 | 9.131 | 9.106 | 9.157 | VV | 112 | 2677  | 0.21%  | 0.025% |         |
| 141 | 9.185 | 9.157 | 9.241 | VV | 171 | 4950  | 0.40%  | 0.046% |         |



|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 142 | 9.397  | 9.241  | 9.496  | VV | 346    | 23985  | 1.92%  | 0.220% |
| 143 | 9.535  | 9.496  | 9.631  | VV | 260    | 9479   | 0.76%  | 0.087% |
| 144 | 9.649  | 9.631  | 9.665  | PV | 83     | 1339   | 0.11%  | 0.012% |
| 145 | 9.683  | 9.665  | 9.738  | VV | 90     | 2654   | 0.21%  | 0.024% |
| 146 | 9.772  | 9.738  | 9.866  | VV | 286    | 16795  | 1.34%  | 0.154% |
| 147 | 9.899  | 9.866  | 9.935  | VV | 316    | 9766   | 0.78%  | 0.090% |
| 148 | 9.963  | 9.935  | 9.983  | VV | 420    | 6965   | 0.56%  | 0.064% |
| 149 | 10.031 | 9.983  | 10.447 | VV | 8057   | 465980 | 37.23% | 4.284% |
| 150 | 10.487 | 10.447 | 10.588 | VV | 1403   | 43370  | 3.46%  | 0.399% |
| 151 | 10.646 | 10.588 | 10.678 | VV | 295    | 13820  | 1.10%  | 0.127% |
| 152 | 10.693 | 10.678 | 10.725 | VV | 380    | 7617   | 0.61%  | 0.070% |
| 153 | 10.750 | 10.725 | 10.831 | VV | 255    | 12730  | 1.02%  | 0.117% |
| 154 | 10.884 | 10.831 | 10.931 | VV | 385    | 17640  | 1.41%  | 0.162% |
| 155 | 10.980 | 10.931 | 11.088 | VV | 389    | 23063  | 1.84%  | 0.212% |
| 156 | 11.159 | 11.088 | 11.224 | VV | 4593   | 139484 | 11.14% | 1.282% |
| 157 | 11.249 | 11.224 | 11.491 | VV | 1510   | 84565  | 6.76%  | 0.777% |
| 158 | 11.580 | 11.491 | 11.641 | VV | 295    | 14348  | 1.15%  | 0.132% |
| 159 | 11.666 | 11.641 | 11.719 | PV | 468    | 11957  | 0.96%  | 0.110% |
| 160 | 11.743 | 11.719 | 11.821 | VV | 321    | 8587   | 0.69%  | 0.079% |
| 161 | 11.898 | 11.821 | 11.940 | VV | 237    | 7338   | 0.59%  | 0.067% |
| 162 | 12.013 | 11.940 | 12.042 | VV | 2003   | 58646  | 4.69%  | 0.539% |
| 163 | 12.065 | 12.042 | 12.125 | VV | 2323   | 60777  | 4.86%  | 0.559% |
| 164 | 12.142 | 12.125 | 12.214 | VV | 817    | 24618  | 1.97%  | 0.226% |
| 165 | 12.251 | 12.214 | 12.281 | VV | 273    | 6442   | 0.51%  | 0.059% |
| 166 | 12.347 | 12.281 | 12.372 | VV | 284    | 9210   | 0.74%  | 0.085% |
| 167 | 12.407 | 12.372 | 12.427 | VV | 202    | 5022   | 0.40%  | 0.046% |
| 168 | 12.456 | 12.427 | 12.491 | VV | 590    | 11642  | 0.93%  | 0.107% |
| 169 | 12.509 | 12.491 | 12.555 | VV | 775    | 14618  | 1.17%  | 0.134% |
| 170 | 12.603 | 12.555 | 12.662 | VV | 478    | 18452  | 1.47%  | 0.170% |
| 171 | 12.696 | 12.662 | 12.738 | VV | 290    | 9737   | 0.78%  | 0.090% |
| 172 | 12.755 | 12.738 | 12.791 | VV | 198    | 4533   | 0.36%  | 0.042% |
| 173 | 12.852 | 12.791 | 12.875 | VV | 789    | 21812  | 1.74%  | 0.201% |
| 174 | 12.894 | 12.875 | 12.935 | VV | 572    | 16055  | 1.28%  | 0.148% |
| 175 | 12.969 | 12.935 | 13.123 | VV | 13565  | 275231 | 21.99% | 2.530% |
| 176 | 13.160 | 13.123 | 13.233 | VV | 488    | 17595  | 1.41%  | 0.162% |
| 177 | 13.268 | 13.233 | 13.367 | VV | 8484   | 219442 | 17.53% | 2.017% |
| 178 | 13.384 | 13.367 | 13.451 | VV | 858    | 29907  | 2.39%  | 0.275% |
| 179 | 13.471 | 13.451 | 13.490 | VV | 349    | 7240   | 0.58%  | 0.067% |
| 180 | 13.519 | 13.490 | 13.554 | VV | 513    | 14319  | 1.14%  | 0.132% |
| 181 | 13.576 | 13.554 | 13.658 | VV | 463    | 19154  | 1.53%  | 0.176% |
| 182 | 13.693 | 13.658 | 13.717 | VV | 432    | 9902   | 0.79%  | 0.091% |
| 183 | 13.749 | 13.717 | 13.825 | VV | 630    | 20391  | 1.63%  | 0.187% |
| 184 | 13.888 | 13.825 | 13.965 | VV | 958    | 40212  | 3.21%  | 0.370% |
| 185 | 14.050 | 13.965 | 14.111 | VV | 1404   | 52317  | 4.18%  | 0.481% |
| 186 | 14.147 | 14.111 | 14.181 | VV | 715    | 19956  | 1.59%  | 0.183% |
| 187 | 14.201 | 14.181 | 14.284 | VV | 559    | 15709  | 1.26%  | 0.144% |
| 188 | 14.354 | 14.284 | 14.438 | PV | 260    | 11370  | 0.91%  | 0.105% |
| 189 | 14.462 | 14.438 | 14.478 | VV | 242    | 3999   | 0.32%  | 0.037% |
| 190 | 14.509 | 14.478 | 14.559 | VV | 600    | 18542  | 1.48%  | 0.170% |
| 191 | 14.610 | 14.559 | 14.639 | VV | 264    | 10598  | 0.85%  | 0.097% |
| 192 | 14.665 | 14.639 | 14.684 | VV | 364    | 7081   | 0.57%  | 0.065% |
| 193 | 14.714 | 14.684 | 14.735 | VV | 381    | 10227  | 0.82%  | 0.094% |
| 194 | 14.764 | 14.735 | 14.790 | VV | 527    | 13558  | 1.08%  | 0.125% |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 195 | 14.860 | 14.790 | 14.908 | VV | 1070   | 42508   | 3.40%   | 0.391%  |
| 196 | 14.928 | 14.908 | 14.961 | VV | 528    | 13902   | 1.11%   | 0.128%  |
| 197 | 14.999 | 14.961 | 15.128 | VV | 87023  | 1251738 | 100.00% | 11.507% |
| 198 | 15.179 | 15.128 | 15.194 | VV | 3350   | 56728   | 4.53%   | 0.521%  |
| 199 | 15.214 | 15.194 | 15.305 | VV | 3425   | 116688  | 9.32%   | 1.073%  |
| 200 | 15.325 | 15.305 | 15.377 | VV | 935    | 22144   | 1.77%   | 0.204%  |
| 201 | 15.401 | 15.377 | 15.455 | VV | 358    | 8524    | 0.68%   | 0.078%  |
| 202 | 15.539 | 15.455 | 15.558 | PV | 356    | 11973   | 0.96%   | 0.110%  |
| 203 | 15.593 | 15.558 | 15.708 | VV | 13507  | 339250  | 27.10%  | 3.119%  |
| 204 | 15.742 | 15.708 | 15.771 | VV | 1310   | 27049   | 2.16%   | 0.249%  |
| 205 | 15.790 | 15.771 | 15.831 | VV | 512    | 9398    | 0.75%   | 0.086%  |
| 206 | 15.862 | 15.831 | 15.967 | VV | 661    | 28618   | 2.29%   | 0.263%  |
| 207 | 16.019 | 15.967 | 16.088 | VV | 582    | 25670   | 2.05%   | 0.236%  |
| 208 | 16.119 | 16.088 | 16.181 | VV | 487    | 16537   | 1.32%   | 0.152%  |
| 209 | 16.229 | 16.181 | 16.265 | VV | 522    | 10258   | 0.82%   | 0.094%  |
| 210 | 16.365 | 16.265 | 16.393 | PV | 193    | 8336    | 0.67%   | 0.077%  |
| 211 | 16.456 | 16.393 | 16.488 | PV | 155    | 6176    | 0.49%   | 0.057%  |
| 212 | 16.618 | 16.488 | 16.684 | PV | 1292   | 48295   | 3.86%   | 0.444%  |
| 213 | 16.750 | 16.684 | 16.851 | VV | 3301   | 135288  | 10.81%  | 1.244%  |
| 214 | 16.876 | 16.851 | 16.965 | VV | 694    | 24558   | 1.96%   | 0.226%  |
| 215 | 17.068 | 16.965 | 17.107 | VV | 2247   | 57265   | 4.57%   | 0.526%  |
| 216 | 17.142 | 17.107 | 17.160 | VV | 2340   | 50753   | 4.05%   | 0.467%  |
| 217 | 17.178 | 17.160 | 17.206 | VV | 2445   | 46112   | 3.68%   | 0.424%  |
| 218 | 17.229 | 17.206 | 17.345 | VV | 1745   | 46281   | 3.70%   | 0.425%  |
| 219 | 17.408 | 17.345 | 17.458 | VV | 253    | 10507   | 0.84%   | 0.097%  |
| 220 | 17.560 | 17.458 | 17.597 | PV | 689    | 29960   | 2.39%   | 0.275%  |
| 221 | 17.631 | 17.597 | 17.698 | VV | 3479   | 60738   | 4.85%   | 0.558%  |
| 222 | 17.729 | 17.698 | 17.771 | VV | 624    | 14735   | 1.18%   | 0.135%  |
| 223 | 17.816 | 17.771 | 17.890 | VV | 261    | 12518   | 1.00%   | 0.115%  |
| 224 | 17.955 | 17.890 | 17.985 | PV | 143    | 5236    | 0.42%   | 0.048%  |
| 225 | 18.068 | 17.985 | 18.118 | PV | 4358   | 76347   | 6.10%   | 0.702%  |
| 226 | 18.162 | 18.118 | 18.195 | VV | 415    | 8524    | 0.68%   | 0.078%  |
| 227 | 18.296 | 18.195 | 18.313 | VV | 257    | 6620    | 0.53%   | 0.061%  |
| 228 | 18.346 | 18.313 | 18.376 | PV | 1019   | 17769   | 1.42%   | 0.163%  |
| 229 | 18.441 | 18.376 | 18.470 | VV | 7358   | 162004  | 12.94%  | 1.489%  |
| 230 | 18.492 | 18.470 | 18.647 | VV | 6673   | 171920  | 13.73%  | 1.580%  |
| 231 | 18.705 | 18.647 | 18.727 | VV | 406    | 11615   | 0.93%   | 0.107%  |
| 232 | 18.777 | 18.727 | 18.834 | VV | 1146   | 43778   | 3.50%   | 0.402%  |
| 233 | 18.903 | 18.834 | 18.978 | VV | 6361   | 148378  | 11.85%  | 1.364%  |
| 234 | 19.011 | 18.978 | 19.098 | VV | 495    | 19982   | 1.60%   | 0.184%  |
| 235 | 19.163 | 19.098 | 19.181 | PV | 211    | 3468    | 0.28%   | 0.032%  |
| 236 | 19.301 | 19.181 | 19.355 | PV | 6900   | 207673  | 16.59%  | 1.909%  |
| 237 | 19.403 | 19.355 | 19.431 | VV | 486    | 18758   | 1.50%   | 0.172%  |
| 238 | 19.469 | 19.431 | 19.521 | VV | 2253   | 52051   | 4.16%   | 0.478%  |
| 239 | 19.548 | 19.521 | 19.575 | VV | 533    | 11601   | 0.93%   | 0.107%  |
| 240 | 19.596 | 19.575 | 19.615 | VV | 349    | 5892    | 0.47%   | 0.054%  |
| 241 | 19.689 | 19.615 | 19.725 | VV | 4721   | 83660   | 6.68%   | 0.769%  |
| 242 | 19.793 | 19.725 | 19.816 | VV | 994    | 41034   | 3.28%   | 0.377%  |
| 243 | 19.868 | 19.816 | 19.898 | VV | 856    | 37066   | 2.96%   | 0.341%  |
| 244 | 19.986 | 19.898 | 20.005 | VV | 3830   | 108942  | 8.70%   | 1.001%  |
| 245 | 20.030 | 20.005 | 20.048 | VV | 6893   | 117245  | 9.37%   | 1.078%  |
| 246 | 20.064 | 20.048 | 20.128 | VV | 4986   | 131222  | 10.48%  | 1.206%  |

|     |        |        |        |     |                         |        |          |        |
|-----|--------|--------|--------|-----|-------------------------|--------|----------|--------|
|     |        |        |        |     |                         | rters  |          |        |
| 247 | 20.431 | 20.128 | 20.452 | VV  | 5861                    | 485897 | 38.82%   | 4.467% |
| 248 | 20.479 | 20.452 | 20.518 | VV  | 6175                    | 180606 | 14.43%   | 1.660% |
| 249 | 20.591 | 20.518 | 20.615 | VV  | 4158                    | 214311 | 17.12%   | 1.970% |
| 250 | 20.792 | 20.615 | 20.851 | VV  | 6908                    | 701057 | 56.01%   | 6.445% |
| 251 | 20.892 | 20.851 | 20.918 | VV  | 5092                    | 201176 | 16.07%   | 1.849% |
| 252 | 20.959 | 20.918 | 21.003 | VV  | 7872                    | 311056 | 24.85%   | 2.860% |
| 253 | 21.085 | 21.003 | 21.138 | VV  | 4996                    | 397654 | 31.77%   | 3.656% |
| 254 | 21.170 | 21.138 | 21.227 | VV  | 5645                    | 254623 | 20.34%   | 2.341% |
| 255 | 21.310 | 21.227 | 21.385 | VV  | 3903                    | 363955 | 29.08%   | 3.346% |
| 256 | 21.406 | 21.385 | 21.438 | VV  | 3401                    | 108172 | 8.64%    | 0.994% |
| 257 | 21.504 | 21.438 | 21.560 | VV  | 5409                    | 280083 | 22.38%   | 2.575% |
| 258 | 21.599 | 21.560 | 21.763 | VV  | 3113                    | 286834 | 22.91%   | 2.637% |
| 259 | 21.783 | 21.763 | 21.815 | VV  | 1769                    | 52468  | 4.19%    | 0.482% |
| 260 | 21.916 | 21.815 | 21.941 | VV  | 1317                    | 105791 | 8.45%    | 0.973% |
| 261 | 21.953 | 21.941 | 22.041 | VV  | 1173                    | 51643  | 4.13%    | 0.475% |
| 262 | 22.146 | 22.041 | 22.201 | VBA | 2217                    | 114534 | 9.15%    | 1.053% |
|     |        |        |        |     | Sum of corrected areas: |        | 10877953 |        |

FG042425.M Wed Apr 30 02:08:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015767.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 15:20  
Operator : YP\AJ  
Sample : Q1901-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB01

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.000 | 1910629  | 16.228 ug/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

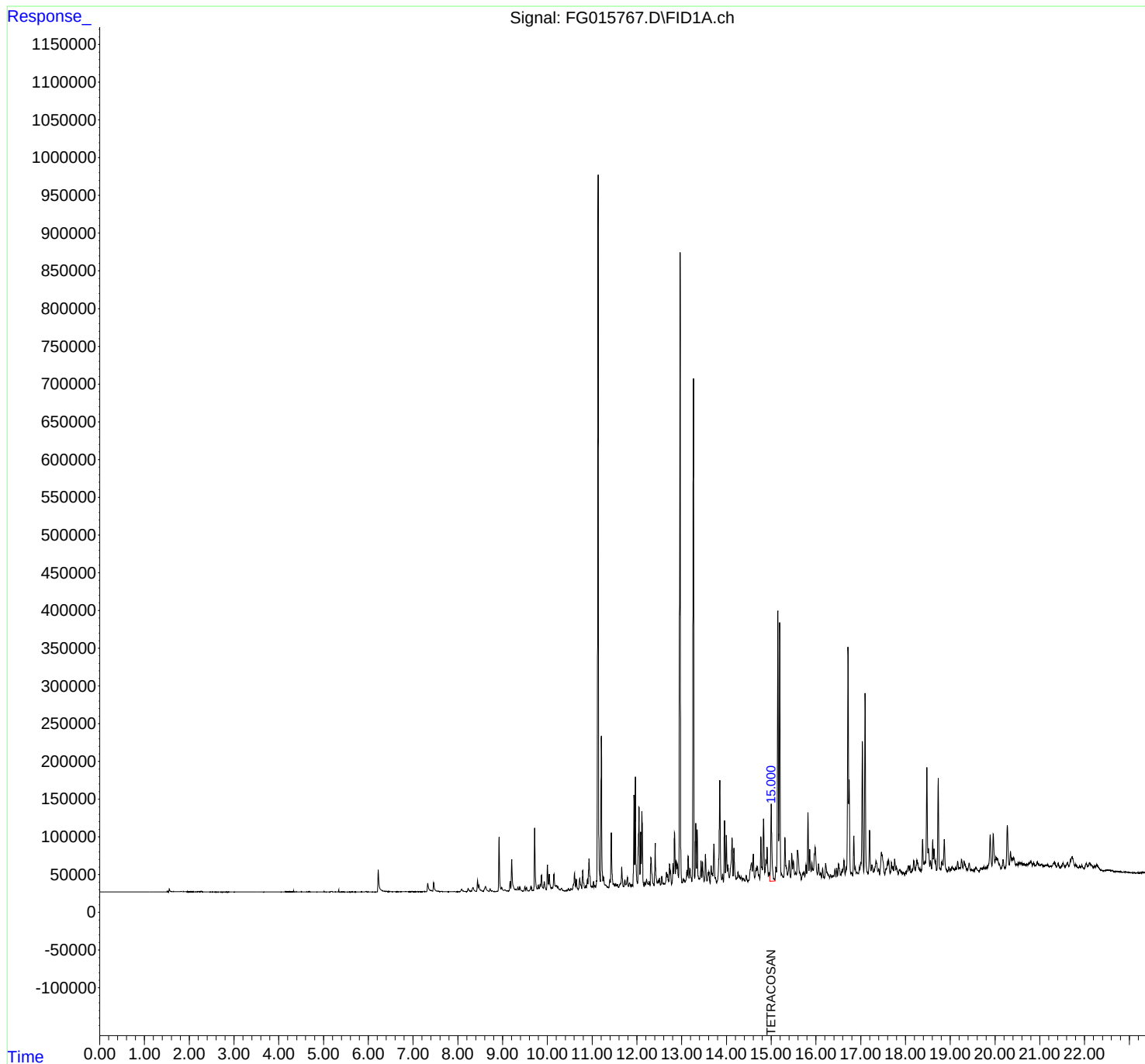
(m)=manual int.

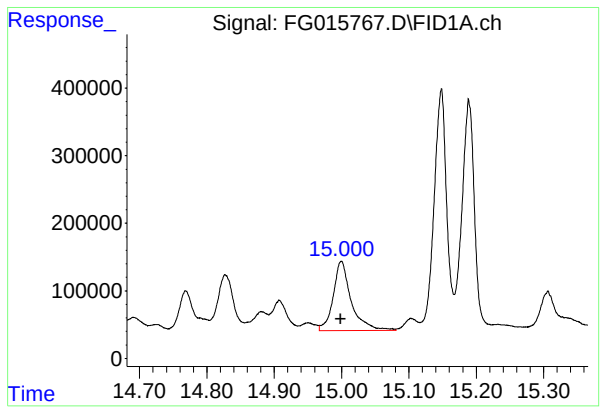
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015767.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 15:20  
Operator : YP\AJ  
Sample : Q1901-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB01

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

Sample Results: **FG015767.D**

R.T.: 15.000 min  
Delta R.T.: 0.001 min  
Response: 1910629  
Conc: 16.23 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB01

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015767.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 15:20  
 Sample : Q1901-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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         | 1.913       | 1.900        | 1.942      | BV       | 53             | 233          | 0.00%          | 0.000%        |
| 2         | 1.946       | 1.942        | 1.957      | VV       | 118            | 599          | 0.01%          | 0.000%        |
| 3         | 1.964       | 1.957        | 1.973      | PV       | 548            | 1230         | 0.01%          | 0.001%        |
| 4         | 1.979       | 1.973        | 1.998      | VV       | 196            | 1540         | 0.01%          | 0.001%        |
| 5         | 2.002       | 1.998        | 2.009      | VV       | 115            | 583          | 0.01%          | 0.000%        |
| 6         | 2.014       | 2.009        | 2.019      | VV       | 93             | 397          | 0.00%          | 0.000%        |
| 7         | 2.046       | 2.019        | 2.051      | VV       | 173            | 1619         | 0.01%          | 0.001%        |
| 8         | 2.057       | 2.051        | 2.087      | VV       | 247            | 2389         | 0.02%          | 0.002%        |
| 9         | 2.091       | 2.087        | 2.095      | VV       | 153            | 360          | 0.00%          | 0.000%        |
| 10        | 2.098       | 2.095        | 2.113      | VV       | 111            | 616          | 0.01%          | 0.000%        |
| 11        | 2.115       | 2.113        | 2.121      | VV       | 76             | 191          | 0.00%          | 0.000%        |
| 12        | 2.124       | 2.121        | 2.133      | VV       | 67             | 375          | 0.00%          | 0.000%        |
| 13        | 2.136       | 2.133        | 2.152      | VV       | 117            | 703          | 0.01%          | 0.000%        |
| 14        | 2.158       | 2.152        | 2.170      | VV       | 49             | 667          | 0.01%          | 0.000%        |
| 15        | 2.196       | 2.170        | 2.227      | VV       | 487            | 8967         | 0.08%          | 0.006%        |
| 16        | 2.232       | 2.227        | 2.244      | VV       | 224            | 1776         | 0.02%          | 0.001%        |
| 17        | 2.261       | 2.244        | 2.294      | VV       | 1163           | 16711        | 0.15%          | 0.011%        |
| 18        | 2.298       | 2.294        | 2.323      | VV       | 276            | 2985         | 0.03%          | 0.002%        |
| 19        | 2.327       | 2.323        | 2.343      | VV       | 94             | 970          | 0.01%          | 0.001%        |
| 20        | 2.385       | 2.343        | 2.392      | PV       | 146            | 1973         | 0.02%          | 0.001%        |
| 21        | 2.394       | 2.392        | 2.412      | VV       | 126            | 908          | 0.01%          | 0.001%        |
| 22        | 2.419       | 2.412        | 2.435      | VV       | 110            | 850          | 0.01%          | 0.001%        |
| 23        | 2.441       | 2.435        | 2.451      | VV       | 93             | 689          | 0.01%          | 0.000%        |
| 24        | 2.456       | 2.451        | 2.465      | VV       | 155            | 644          | 0.01%          | 0.000%        |
| 25        | 2.470       | 2.465        | 2.478      | PV       | 124            | 516          | 0.00%          | 0.000%        |
| 26        | 2.485       | 2.478        | 2.497      | VV       | 157            | 899          | 0.01%          | 0.001%        |
| 27        | 2.504       | 2.497        | 2.514      | VV       | 112            | 902          | 0.01%          | 0.001%        |
| 28        | 2.523       | 2.514        | 2.536      | VV       | 200            | 1510         | 0.01%          | 0.001%        |
| 29        | 2.547       | 2.536        | 2.580      | VV       | 165            | 2651         | 0.02%          | 0.002%        |
| 30        | 2.585       | 2.580        | 2.594      | VV       | 108            | 699          | 0.01%          | 0.000%        |
| 31        | 2.598       | 2.594        | 2.623      | VV       | 97             | 1025         | 0.01%          | 0.001%        |
| 32        | 2.641       | 2.623        | 2.652      | VV       | 153            | 1337         | 0.01%          | 0.001%        |
| 33        | 2.660       | 2.652        | 2.670      | VV       | 180            | 1130         | 0.01%          | 0.001%        |
| 34        | 2.676       | 2.670        | 2.680      | VV       | 145            | 640          | 0.01%          | 0.000%        |
| 35        | 2.684       | 2.680        | 2.699      | VV       | 165            | 1173         | 0.01%          | 0.001%        |
| 36        | 2.715       | 2.699        | 2.722      | VV       | 138            | 1210         | 0.01%          | 0.001%        |

|    |       |       |       |    | rters |      |       |        |
|----|-------|-------|-------|----|-------|------|-------|--------|
| 37 | 2.727 | 2.722 | 2.736 | VV | 121   | 612  | 0.01% | 0.000% |
| 38 | 2.740 | 2.736 | 2.751 | VV | 117   | 624  | 0.01% | 0.000% |
| 39 | 2.756 | 2.751 | 2.766 | VV | 72    | 679  | 0.01% | 0.000% |
| 40 | 2.769 | 2.766 | 2.784 | VV | 128   | 925  | 0.01% | 0.001% |
| 41 | 2.793 | 2.784 | 2.807 | VV | 124   | 1174 | 0.01% | 0.001% |
| 42 | 2.814 | 2.807 | 2.822 | VV | 167   | 1098 | 0.01% | 0.001% |
| 43 | 2.828 | 2.822 | 2.841 | VV | 116   | 902  | 0.01% | 0.001% |
| 44 | 2.845 | 2.841 | 2.850 | VV | 100   | 335  | 0.00% | 0.000% |
| 45 | 2.857 | 2.850 | 2.872 | VV | 117   | 936  | 0.01% | 0.001% |
| 46 | 2.875 | 2.872 | 2.883 | VV | 130   | 534  | 0.00% | 0.000% |
| 47 | 2.891 | 2.883 | 2.902 | VV | 167   | 1068 | 0.01% | 0.001% |
| 48 | 2.905 | 2.902 | 2.914 | VV | 111   | 715  | 0.01% | 0.000% |
| 49 | 2.917 | 2.914 | 2.925 | VV | 176   | 686  | 0.01% | 0.000% |
| 50 | 2.933 | 2.925 | 2.982 | VV | 221   | 4594 | 0.04% | 0.003% |
| 51 | 2.985 | 2.982 | 3.006 | VV | 172   | 1658 | 0.01% | 0.001% |
| 52 | 3.009 | 3.006 | 3.015 | VV | 94    | 515  | 0.00% | 0.000% |
| 53 | 3.050 | 3.015 | 3.062 | VV | 203   | 4298 | 0.04% | 0.003% |
| 54 | 3.071 | 3.062 | 3.082 | VV | 182   | 1740 | 0.02% | 0.001% |
| 55 | 3.108 | 3.082 | 3.118 | VV | 220   | 3283 | 0.03% | 0.002% |
| 56 | 3.127 | 3.118 | 3.140 | VV | 175   | 1774 | 0.02% | 0.001% |
| 57 | 3.145 | 3.140 | 3.154 | VV | 197   | 1081 | 0.01% | 0.001% |
| 58 | 3.163 | 3.154 | 3.177 | VV | 198   | 2171 | 0.02% | 0.001% |
| 59 | 3.182 | 3.177 | 3.188 | VV | 210   | 1070 | 0.01% | 0.001% |
| 60 | 3.196 | 3.188 | 3.215 | VV | 209   | 2667 | 0.02% | 0.002% |
| 61 | 3.221 | 3.215 | 3.228 | VV | 204   | 1446 | 0.01% | 0.001% |
| 62 | 3.246 | 3.228 | 3.277 | VV | 276   | 5879 | 0.05% | 0.004% |
| 63 | 3.282 | 3.277 | 3.296 | VV | 216   | 2134 | 0.02% | 0.001% |
| 64 | 3.305 | 3.296 | 3.334 | VV | 226   | 3880 | 0.03% | 0.002% |
| 65 | 3.340 | 3.334 | 3.345 | VV | 208   | 1139 | 0.01% | 0.001% |
| 66 | 3.352 | 3.345 | 3.364 | VV | 236   | 2190 | 0.02% | 0.001% |
| 67 | 3.367 | 3.364 | 3.376 | VV | 258   | 1479 | 0.01% | 0.001% |
| 68 | 3.385 | 3.376 | 3.406 | VV | 225   | 2868 | 0.03% | 0.002% |
| 69 | 3.410 | 3.406 | 3.421 | VV | 178   | 1419 | 0.01% | 0.001% |
| 70 | 3.435 | 3.421 | 3.446 | VV | 207   | 2567 | 0.02% | 0.002% |
| 71 | 3.465 | 3.446 | 3.469 | VV | 220   | 2418 | 0.02% | 0.002% |
| 72 | 3.477 | 3.469 | 3.508 | VV | 208   | 4037 | 0.04% | 0.003% |
| 73 | 3.514 | 3.508 | 3.518 | VV | 198   | 831  | 0.01% | 0.001% |
| 74 | 3.533 | 3.518 | 3.537 | VV | 228   | 1948 | 0.02% | 0.001% |
| 75 | 3.549 | 3.537 | 3.556 | VV | 229   | 2195 | 0.02% | 0.001% |
| 76 | 3.567 | 3.556 | 3.571 | VV | 219   | 1659 | 0.01% | 0.001% |
| 77 | 3.595 | 3.571 | 3.622 | VV | 261   | 5996 | 0.05% | 0.004% |
| 78 | 3.633 | 3.622 | 3.642 | VV | 201   | 1945 | 0.02% | 0.001% |
| 79 | 3.647 | 3.642 | 3.677 | VV | 189   | 2913 | 0.03% | 0.002% |
| 80 | 3.683 | 3.677 | 3.689 | VV | 215   | 1122 | 0.01% | 0.001% |
| 81 | 3.699 | 3.689 | 3.704 | VV | 204   | 1606 | 0.01% | 0.001% |
| 82 | 3.712 | 3.704 | 3.722 | VV | 188   | 1569 | 0.01% | 0.001% |
| 83 | 3.725 | 3.722 | 3.730 | VV | 188   | 701  | 0.01% | 0.000% |
| 84 | 3.741 | 3.730 | 3.760 | VV | 205   | 2833 | 0.02% | 0.002% |
| 85 | 3.764 | 3.760 | 3.803 | VV | 202   | 3933 | 0.03% | 0.003% |
| 86 | 3.807 | 3.803 | 3.822 | VV | 178   | 1512 | 0.01% | 0.001% |
| 87 | 3.846 | 3.822 | 3.851 | VV | 225   | 2947 | 0.03% | 0.002% |
| 88 | 3.857 | 3.851 | 3.901 | VV | 231   | 5458 | 0.05% | 0.003% |
| 89 | 3.913 | 3.901 | 3.919 | VV | 165   | 1478 | 0.01% | 0.001% |



|     |       |       |       |    |        |       |       |        |
|-----|-------|-------|-------|----|--------|-------|-------|--------|
|     |       |       |       |    | rteres |       |       |        |
| 90  | 3.924 | 3.919 | 3.929 | VV | 171    | 839   | 0.01% | 0.001% |
| 91  | 3.937 | 3.929 | 3.955 | VV | 177    | 2632  | 0.02% | 0.002% |
| 92  | 3.959 | 3.955 | 3.997 | VV | 199    | 3854  | 0.03% | 0.002% |
| 93  | 4.002 | 3.997 | 4.007 | VV | 136    | 718   | 0.01% | 0.000% |
| 94  | 4.009 | 4.007 | 4.014 | VV | 165    | 516   | 0.00% | 0.000% |
| 95  | 4.019 | 4.014 | 4.023 | VV | 154    | 649   | 0.01% | 0.000% |
| 96  | 4.025 | 4.023 | 4.029 | VV | 126    | 413   | 0.00% | 0.000% |
| 97  | 4.041 | 4.029 | 4.057 | VV | 181    | 2259  | 0.02% | 0.001% |
| 98  | 4.082 | 4.057 | 4.102 | VV | 223    | 3730  | 0.03% | 0.002% |
| 99  | 4.104 | 4.102 | 4.110 | VV | 181    | 666   | 0.01% | 0.000% |
| 100 | 4.116 | 4.110 | 4.120 | VV | 136    | 794   | 0.01% | 0.001% |
| 101 | 4.174 | 4.120 | 4.195 | VV | 374    | 13209 | 0.12% | 0.008% |
| 102 | 4.210 | 4.195 | 4.217 | VV | 376    | 4252  | 0.04% | 0.003% |
| 103 | 4.243 | 4.217 | 4.312 | VV | 415    | 20061 | 0.18% | 0.013% |
| 104 | 4.316 | 4.312 | 4.323 | VV | 399    | 2156  | 0.02% | 0.001% |
| 105 | 4.332 | 4.323 | 4.360 | VV | 985    | 7965  | 0.07% | 0.005% |
| 106 | 4.373 | 4.360 | 4.415 | VV | 338    | 8851  | 0.08% | 0.006% |
| 107 | 4.456 | 4.415 | 4.488 | VV | 304    | 10804 | 0.09% | 0.007% |
| 108 | 4.506 | 4.488 | 4.540 | VV | 352    | 9152  | 0.08% | 0.006% |
| 109 | 4.549 | 4.540 | 4.568 | VV | 313    | 4646  | 0.04% | 0.003% |
| 110 | 4.580 | 4.568 | 4.604 | VV | 289    | 5158  | 0.05% | 0.003% |
| 111 | 4.627 | 4.604 | 4.645 | VV | 294    | 5765  | 0.05% | 0.004% |
| 112 | 4.670 | 4.645 | 4.739 | VV | 606    | 19945 | 0.17% | 0.013% |
| 113 | 4.763 | 4.739 | 4.774 | VV | 267    | 4848  | 0.04% | 0.003% |
| 114 | 4.793 | 4.774 | 4.813 | VV | 274    | 4766  | 0.04% | 0.003% |
| 115 | 4.818 | 4.813 | 4.825 | VV | 226    | 1311  | 0.01% | 0.001% |
| 116 | 4.832 | 4.825 | 4.845 | VV | 250    | 2112  | 0.02% | 0.001% |
| 117 | 4.849 | 4.845 | 4.886 | VV | 247    | 4799  | 0.04% | 0.003% |
| 118 | 4.900 | 4.886 | 4.914 | VV | 241    | 3253  | 0.03% | 0.002% |
| 119 | 4.921 | 4.914 | 4.931 | VV | 249    | 2417  | 0.02% | 0.002% |
| 120 | 4.943 | 4.931 | 4.960 | VV | 217    | 3607  | 0.03% | 0.002% |
| 121 | 5.014 | 4.960 | 5.057 | VV | 553    | 14068 | 0.12% | 0.009% |
| 122 | 5.070 | 5.057 | 5.124 | VV | 231    | 6646  | 0.06% | 0.004% |
| 123 | 5.131 | 5.124 | 5.145 | VV | 188    | 1631  | 0.01% | 0.001% |
| 124 | 5.174 | 5.145 | 5.241 | VV | 949    | 24604 | 0.22% | 0.016% |
| 125 | 5.267 | 5.241 | 5.290 | VV | 387    | 8298  | 0.07% | 0.005% |
| 126 | 5.302 | 5.290 | 5.317 | VV | 266    | 3419  | 0.03% | 0.002% |
| 127 | 5.339 | 5.317 | 5.361 | VV | 2142   | 7013  | 0.06% | 0.004% |
| 128 | 5.375 | 5.361 | 5.421 | VV | 230    | 5227  | 0.05% | 0.003% |
| 129 | 5.430 | 5.421 | 5.460 | VV | 131    | 2699  | 0.02% | 0.002% |
| 130 | 5.488 | 5.460 | 5.556 | VV | 309    | 10831 | 0.10% | 0.007% |
| 131 | 5.567 | 5.556 | 5.589 | VV | 187    | 2497  | 0.02% | 0.002% |
| 132 | 5.607 | 5.589 | 5.625 | VV | 160    | 2565  | 0.02% | 0.002% |
| 133 | 5.654 | 5.625 | 5.712 | VV | 406    | 10131 | 0.09% | 0.006% |
| 134 | 5.767 | 5.712 | 5.782 | PV | 283    | 7551  | 0.07% | 0.005% |
| 135 | 5.809 | 5.782 | 5.822 | VV | 376    | 7054  | 0.06% | 0.004% |
| 136 | 5.846 | 5.822 | 5.885 | VV | 464    | 12811 | 0.11% | 0.008% |
| 137 | 5.944 | 5.885 | 5.989 | VV | 851    | 23813 | 0.21% | 0.015% |
| 138 | 5.998 | 5.989 | 6.029 | VV | 318    | 6340  | 0.06% | 0.004% |
| 139 | 6.038 | 6.029 | 6.095 | VV | 302    | 6479  | 0.06% | 0.004% |
| 140 | 6.126 | 6.095 | 6.147 | VV | 179    | 3296  | 0.03% | 0.002% |
| 141 | 6.187 | 6.147 | 6.197 | VV | 198    | 3750  | 0.03% | 0.002% |

|     |       |       |       |    | rteres |        |       |        |
|-----|-------|-------|-------|----|--------|--------|-------|--------|
| 142 | 6.224 | 6.197 | 6.387 | VV | 28953  | 584469 | 5.13% | 0.372% |
| 143 | 6.400 | 6.387 | 6.440 | VV | 1004   | 24995  | 0.22% | 0.016% |
| 144 | 6.449 | 6.440 | 6.537 | VV | 646    | 27197  | 0.24% | 0.017% |
| 145 | 6.571 | 6.537 | 6.664 | VV | 539    | 25762  | 0.23% | 0.016% |
| 146 | 6.687 | 6.664 | 6.717 | VV | 464    | 10522  | 0.09% | 0.007% |
| 147 | 6.774 | 6.717 | 6.794 | VV | 399    | 15564  | 0.14% | 0.010% |
| 148 | 6.805 | 6.794 | 6.820 | VV | 469    | 6898   | 0.06% | 0.004% |
| 149 | 6.840 | 6.820 | 6.931 | VV | 574    | 23168  | 0.20% | 0.015% |
| 150 | 6.941 | 6.931 | 6.950 | VV | 241    | 2638   | 0.02% | 0.002% |
| 151 | 6.972 | 6.950 | 6.997 | VV | 516    | 8570   | 0.08% | 0.005% |
| 152 | 7.008 | 6.997 | 7.038 | VV | 281    | 5351   | 0.05% | 0.003% |
| 153 | 7.049 | 7.038 | 7.060 | VV | 192    | 2211   | 0.02% | 0.001% |
| 154 | 7.091 | 7.060 | 7.127 | VV | 432    | 9488   | 0.08% | 0.006% |
| 155 | 7.139 | 7.127 | 7.163 | VV | 335    | 4954   | 0.04% | 0.003% |
| 156 | 7.182 | 7.163 | 7.191 | VV | 174    | 2291   | 0.02% | 0.001% |
| 157 | 7.258 | 7.191 | 7.286 | VV | 527    | 17844  | 0.16% | 0.011% |
| 158 | 7.330 | 7.286 | 7.437 | VV | 11267  | 284293 | 2.49% | 0.181% |
| 159 | 7.462 | 7.437 | 7.567 | VV | 12554  | 255047 | 2.24% | 0.162% |
| 160 | 7.572 | 7.567 | 7.620 | VV | 668    | 15698  | 0.14% | 0.010% |
| 161 | 7.637 | 7.620 | 7.685 | VV | 737    | 16280  | 0.14% | 0.010% |
| 162 | 7.692 | 7.685 | 7.701 | VV | 272    | 2147   | 0.02% | 0.001% |
| 163 | 7.716 | 7.701 | 7.784 | VV | 311    | 8774   | 0.08% | 0.006% |
| 164 | 7.812 | 7.784 | 7.845 | VV | 247    | 5467   | 0.05% | 0.003% |
| 165 | 7.863 | 7.845 | 7.889 | VV | 233    | 4516   | 0.04% | 0.003% |
| 166 | 7.917 | 7.889 | 7.944 | VV | 518    | 8700   | 0.08% | 0.006% |
| 167 | 7.957 | 7.944 | 7.965 | VV | 132    | 1407   | 0.01% | 0.001% |
| 168 | 7.973 | 7.965 | 7.987 | VV | 107    | 992    | 0.01% | 0.001% |
| 169 | 8.012 | 7.987 | 8.037 | PV | 129    | 2669   | 0.02% | 0.002% |
| 170 | 8.083 | 8.037 | 8.159 | VV | 3356   | 89798  | 0.79% | 0.057% |
| 171 | 8.167 | 8.159 | 8.204 | VV | 489    | 10796  | 0.09% | 0.007% |
| 172 | 8.232 | 8.204 | 8.307 | VV | 4326   | 102419 | 0.90% | 0.065% |
| 173 | 8.342 | 8.307 | 8.412 | VV | 5611   | 154121 | 1.35% | 0.098% |
| 174 | 8.443 | 8.412 | 8.460 | VV | 15073  | 193950 | 1.70% | 0.123% |
| 175 | 8.473 | 8.460 | 8.507 | VV | 8836   | 149462 | 1.31% | 0.095% |
| 176 | 8.518 | 8.507 | 8.565 | VV | 2325   | 46932  | 0.41% | 0.030% |
| 177 | 8.618 | 8.565 | 8.699 | VV | 6795   | 224054 | 1.97% | 0.143% |
| 178 | 8.722 | 8.699 | 8.754 | VV | 4060   | 65408  | 0.57% | 0.042% |
| 179 | 8.768 | 8.754 | 8.838 | VV | 1453   | 29229  | 0.26% | 0.019% |
| 180 | 8.877 | 8.838 | 8.892 | PV | 587    | 10475  | 0.09% | 0.007% |
| 181 | 8.923 | 8.892 | 8.965 | VV | 72835  | 909043 | 7.97% | 0.578% |
| 182 | 8.981 | 8.965 | 9.026 | VV | 5834   | 125849 | 1.10% | 0.080% |
| 183 | 9.055 | 9.026 | 9.106 | VV | 2644   | 75589  | 0.66% | 0.048% |
| 184 | 9.118 | 9.106 | 9.135 | VV | 1057   | 14760  | 0.13% | 0.009% |
| 185 | 9.170 | 9.135 | 9.185 | VV | 13208  | 170352 | 1.49% | 0.108% |
| 186 | 9.206 | 9.185 | 9.283 | VV | 42480  | 734516 | 6.44% | 0.467% |
| 187 | 9.299 | 9.283 | 9.324 | VV | 3399   | 64716  | 0.57% | 0.041% |
| 188 | 9.344 | 9.324 | 9.367 | VV | 5827   | 89555  | 0.79% | 0.057% |
| 189 | 9.385 | 9.367 | 9.470 | VV | 6302   | 126334 | 1.11% | 0.080% |
| 190 | 9.499 | 9.470 | 9.518 | VV | 6403   | 80321  | 0.70% | 0.051% |
| 191 | 9.535 | 9.518 | 9.572 | VV | 5409   | 80706  | 0.71% | 0.051% |
| 192 | 9.589 | 9.572 | 9.597 | VV | 839    | 10210  | 0.09% | 0.006% |
| 193 | 9.635 | 9.597 | 9.663 | VV | 7015   | 121330 | 1.06% | 0.077% |
| 194 | 9.678 | 9.663 | 9.692 | VV | 1434   | 19859  | 0.17% | 0.013% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 195    | 9.718  | 9.692  | 9.777  | VV | 83805  | 1182305  | 10.37%  | 0.752% |
| 196    | 9.798  | 9.777  | 9.817  | VV | 8185   | 124584   | 1.09%   | 0.079% |
| 197    | 9.841  | 9.817  | 9.851  | VV | 9313   | 124773   | 1.09%   | 0.079% |
| 198    | 9.870  | 9.851  | 9.910  | VV | 21473  | 378478   | 3.32%   | 0.241% |
| 199    | 9.932  | 9.910  | 9.978  | VV | 12542  | 252509   | 2.21%   | 0.161% |
| 200    | 10.003 | 9.978  | 10.028 | VV | 34216  | 483162   | 4.24%   | 0.307% |
| 201    | 10.045 | 10.028 | 10.084 | VV | 22574  | 377443   | 3.31%   | 0.240% |
| 202    | 10.097 | 10.084 | 10.115 | VV | 5119   | 79809    | 0.70%   | 0.051% |
| 203    | 10.149 | 10.115 | 10.177 | VV | 22230  | 411938   | 3.61%   | 0.262% |
| 204    | 10.186 | 10.177 | 10.195 | VV | 6843   | 70101    | 0.61%   | 0.045% |
| 205    | 10.206 | 10.195 | 10.224 | VV | 7424   | 109656   | 0.96%   | 0.070% |
| 206    | 10.237 | 10.224 | 10.277 | VV | 5670   | 110507   | 0.97%   | 0.070% |
| 207    | 10.317 | 10.277 | 10.389 | VV | 3728   | 94646    | 0.83%   | 0.060% |
| 208    | 10.423 | 10.389 | 10.447 | PV | 467    | 10526    | 0.09%   | 0.007% |
| 209    | 10.470 | 10.447 | 10.504 | VV | 3139   | 44644    | 0.39%   | 0.028% |
| 210    | 10.524 | 10.504 | 10.556 | VV | 2757   | 51846    | 0.45%   | 0.033% |
| 211    | 10.609 | 10.556 | 10.632 | VV | 23007  | 449903   | 3.95%   | 0.286% |
| 212    | 10.649 | 10.632 | 10.687 | VV | 14681  | 228398   | 2.00%   | 0.145% |
| 213    | 10.724 | 10.687 | 10.768 | VV | 15775  | 331115   | 2.90%   | 0.211% |
| 214    | 10.791 | 10.768 | 10.837 | VV | 26319  | 468829   | 4.11%   | 0.298% |
| 215    | 10.859 | 10.837 | 10.873 | VV | 5950   | 90751    | 0.80%   | 0.058% |
| 216    | 10.895 | 10.873 | 10.907 | VV | 13932  | 178518   | 1.57%   | 0.114% |
| 217    | 10.932 | 10.907 | 10.989 | VV | 41477  | 879857   | 7.72%   | 0.560% |
| 218    | 11.001 | 10.989 | 11.014 | VV | 4944   | 65379    | 0.57%   | 0.042% |
| 219    | 11.032 | 11.014 | 11.048 | VV | 10790  | 135385   | 1.19%   | 0.086% |
| 220    | 11.062 | 11.048 | 11.081 | VV | 5515   | 86796    | 0.76%   | 0.055% |
| 221    | 11.135 | 11.081 | 11.182 | VV | 946890 | 11400932 | 100.00% | 7.252% |
| 222    | 11.206 | 11.182 | 11.240 | VV | 203083 | 2595463  | 22.77%  | 1.651% |
| 223    | 11.255 | 11.240 | 11.287 | VV | 16471  | 311437   | 2.73%   | 0.198% |
| 224    | 11.299 | 11.287 | 11.340 | VV | 5684   | 140531   | 1.23%   | 0.089% |
| 225    | 11.347 | 11.340 | 11.367 | VV | 3050   | 39163    | 0.34%   | 0.025% |
| 226    | 11.398 | 11.367 | 11.408 | VV | 12530  | 167594   | 1.47%   | 0.107% |
| 227    | 11.429 | 11.408 | 11.470 | VV | 74464  | 1104103  | 9.68%   | 0.702% |
| 228    | 11.478 | 11.470 | 11.512 | VV | 6832   | 135026   | 1.18%   | 0.086% |
| 229    | 11.527 | 11.512 | 11.547 | VV | 6844   | 107023   | 0.94%   | 0.068% |
| 230    | 11.563 | 11.547 | 11.590 | VV | 5285   | 99372    | 0.87%   | 0.063% |
| 231    | 11.663 | 11.590 | 11.702 | VV | 28062  | 615368   | 5.40%   | 0.391% |
| 232    | 11.731 | 11.702 | 11.752 | VV | 10731  | 183204   | 1.61%   | 0.117% |
| 233    | 11.787 | 11.752 | 11.814 | VV | 14360  | 273278   | 2.40%   | 0.174% |
| 234    | 11.836 | 11.814 | 11.853 | VV | 7109   | 113086   | 0.99%   | 0.072% |
| 235    | 11.865 | 11.853 | 11.880 | VV | 4552   | 56128    | 0.49%   | 0.036% |
| 236    | 11.895 | 11.880 | 11.909 | VV | 4670   | 57478    | 0.50%   | 0.037% |
| 237    | 11.935 | 11.909 | 11.950 | VV | 122787 | 1380672  | 12.11%  | 0.878% |
| 238    | 11.966 | 11.950 | 12.012 | VV | 146935 | 1876669  | 16.46%  | 1.194% |
| 239    | 12.047 | 12.012 | 12.067 | VV | 106823 | 1718882  | 15.08%  | 1.093% |
| 240    | 12.085 | 12.067 | 12.098 | VV | 74286  | 884258   | 7.76%   | 0.562% |
| 241    | 12.115 | 12.098 | 12.159 | VV | 100124 | 1409638  | 12.36%  | 0.897% |
| 242    | 12.176 | 12.159 | 12.192 | VV | 7054   | 90120    | 0.79%   | 0.057% |
| 243    | 12.214 | 12.192 | 12.255 | VV | 10891  | 248306   | 2.18%   | 0.158% |
| 244    | 12.273 | 12.255 | 12.292 | VV | 8039   | 120626   | 1.06%   | 0.077% |
| 245    | 12.315 | 12.292 | 12.384 | VV | 38929  | 793324   | 6.96%   | 0.505% |
| 246    | 12.408 | 12.384 | 12.457 | VV | 58325  | 868393   | 7.62%   | 0.552% |

|     |        |        |        |    | rteres |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 247 | 12.475 | 12.457 | 12.492 | VV | 7877   | 138567   | 1.22%  | 0.088% |
| 248 | 12.507 | 12.492 | 12.527 | VV | 11182  | 142637   | 1.25%  | 0.091% |
| 249 | 12.556 | 12.527 | 12.582 | VV | 13649  | 228366   | 2.00%  | 0.145% |
| 250 | 12.610 | 12.582 | 12.627 | VV | 4079   | 102580   | 0.90%  | 0.065% |
| 251 | 12.661 | 12.627 | 12.675 | VV | 18924  | 307055   | 2.69%  | 0.195% |
| 252 | 12.684 | 12.675 | 12.710 | VV | 15810  | 233461   | 2.05%  | 0.149% |
| 253 | 12.730 | 12.710 | 12.772 | VV | 29464  | 573700   | 5.03%  | 0.365% |
| 254 | 12.806 | 12.772 | 12.820 | VV | 30025  | 424417   | 3.72%  | 0.270% |
| 255 | 12.840 | 12.820 | 12.860 | VV | 71026  | 985341   | 8.64%  | 0.627% |
| 256 | 12.876 | 12.860 | 12.894 | VV | 33466  | 544001   | 4.77%  | 0.346% |
| 257 | 12.905 | 12.894 | 12.930 | VV | 29372  | 473256   | 4.15%  | 0.301% |
| 258 | 12.964 | 12.930 | 13.014 | VV | 827232 | 10283905 | 90.20% | 6.541% |
| 259 | 13.034 | 13.014 | 13.044 | VV | 9508   | 124748   | 1.09%  | 0.079% |
| 260 | 13.054 | 13.044 | 13.078 | VV | 8397   | 137823   | 1.21%  | 0.088% |
| 261 | 13.117 | 13.078 | 13.129 | VV | 20310  | 348732   | 3.06%  | 0.222% |
| 262 | 13.144 | 13.129 | 13.163 | VV | 38788  | 510767   | 4.48%  | 0.325% |
| 263 | 13.185 | 13.163 | 13.229 | VV | 22135  | 557539   | 4.89%  | 0.355% |
| 264 | 13.262 | 13.229 | 13.292 | VV | 671705 | 8163212  | 71.60% | 5.193% |
| 265 | 13.313 | 13.292 | 13.330 | VV | 81141  | 987718   | 8.66%  | 0.628% |
| 266 | 13.346 | 13.330 | 13.379 | VV | 73342  | 1048176  | 9.19%  | 0.667% |
| 267 | 13.388 | 13.379 | 13.399 | VV | 8988   | 101558   | 0.89%  | 0.065% |
| 268 | 13.432 | 13.399 | 13.449 | VV | 31965  | 493932   | 4.33%  | 0.314% |
| 269 | 13.467 | 13.449 | 13.500 | VV | 29942  | 517671   | 4.54%  | 0.329% |
| 270 | 13.530 | 13.500 | 13.569 | VV | 40556  | 669217   | 5.87%  | 0.426% |
| 271 | 13.589 | 13.569 | 13.600 | VV | 15872  | 221922   | 1.95%  | 0.141% |
| 272 | 13.609 | 13.600 | 13.633 | VV | 17049  | 200813   | 1.76%  | 0.128% |
| 273 | 13.657 | 13.633 | 13.674 | VV | 25108  | 357777   | 3.14%  | 0.228% |
| 274 | 13.682 | 13.674 | 13.695 | VV | 14803  | 175616   | 1.54%  | 0.112% |
| 275 | 13.719 | 13.695 | 13.778 | VV | 53844  | 990301   | 8.69%  | 0.630% |
| 276 | 13.850 | 13.778 | 13.895 | VV | 137538 | 2430770  | 21.32% | 1.546% |
| 277 | 13.914 | 13.895 | 13.931 | VV | 13340  | 183818   | 1.61%  | 0.117% |
| 278 | 13.957 | 13.931 | 13.979 | VV | 84605  | 1125579  | 9.87%  | 0.716% |
| 279 | 13.996 | 13.979 | 14.019 | VV | 63940  | 876860   | 7.69%  | 0.558% |
| 280 | 14.033 | 14.019 | 14.065 | VV | 25167  | 454162   | 3.98%  | 0.289% |
| 281 | 14.125 | 14.065 | 14.148 | VV | 60888  | 1376612  | 12.07% | 0.876% |
| 282 | 14.167 | 14.148 | 14.217 | VV | 47205  | 842120   | 7.39%  | 0.536% |
| 283 | 14.259 | 14.217 | 14.282 | VV | 14637  | 366808   | 3.22%  | 0.233% |
| 284 | 14.288 | 14.282 | 14.312 | VV | 9573   | 149629   | 1.31%  | 0.095% |
| 285 | 14.328 | 14.312 | 14.348 | VV | 8856   | 153068   | 1.34%  | 0.097% |
| 286 | 14.361 | 14.348 | 14.372 | VV | 6413   | 85318    | 0.75%  | 0.054% |
| 287 | 14.384 | 14.372 | 14.417 | VV | 6024   | 122891   | 1.08%  | 0.078% |
| 288 | 14.440 | 14.417 | 14.477 | VV | 10443  | 215440   | 1.89%  | 0.137% |
| 289 | 14.557 | 14.477 | 14.577 | VV | 26103  | 832973   | 7.31%  | 0.530% |
| 290 | 14.599 | 14.577 | 14.629 | VV | 37862  | 650469   | 5.71%  | 0.414% |
| 291 | 14.664 | 14.629 | 14.679 | VV | 19332  | 404362   | 3.55%  | 0.257% |
| 292 | 14.691 | 14.679 | 14.715 | VV | 21138  | 353484   | 3.10%  | 0.225% |
| 293 | 14.725 | 14.715 | 14.744 | VV | 10623  | 140901   | 1.24%  | 0.090% |
| 294 | 14.769 | 14.744 | 14.804 | VV | 60437  | 1026722  | 9.01%  | 0.653% |
| 295 | 14.828 | 14.804 | 14.857 | VV | 84117  | 1399415  | 12.27% | 0.890% |
| 296 | 14.882 | 14.857 | 14.891 | VV | 28852  | 452377   | 3.97%  | 0.288% |
| 297 | 14.908 | 14.891 | 14.936 | VV | 46422  | 727823   | 6.38%  | 0.463% |
| 298 | 14.950 | 14.936 | 14.967 | VV | 12772  | 192013   | 1.68%  | 0.122% |
| 299 | 15.000 | 14.967 | 15.080 | VV | 103928 | 1985948  | 17.42% | 1.263% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 300 | 15.104 | 15.080 | 15.116 | VV | 18836  | 254576  | 2.23%  | 0.162% |
| 301 | 15.148 | 15.116 | 15.167 | VV | 356140 | 4653853 | 40.82% | 2.960% |
| 302 | 15.189 | 15.167 | 15.224 | VV | 342208 | 4432902 | 38.88% | 2.820% |
| 303 | 15.232 | 15.224 | 15.272 | VV | 9890   | 221806  | 1.95%  | 0.141% |
| 304 | 15.306 | 15.272 | 15.365 | VV | 57854  | 1269737 | 11.14% | 0.808% |
| 305 | 15.400 | 15.365 | 15.432 | VV | 27229  | 581226  | 5.10%  | 0.370% |
| 306 | 15.458 | 15.432 | 15.477 | VV | 36463  | 576054  | 5.05%  | 0.366% |
| 307 | 15.493 | 15.477 | 15.530 | VV | 26733  | 562310  | 4.93%  | 0.358% |
| 308 | 15.545 | 15.530 | 15.562 | VV | 11261  | 191843  | 1.68%  | 0.122% |
| 309 | 15.589 | 15.562 | 15.672 | VV | 40409  | 1188549 | 10.43% | 0.756% |
| 310 | 15.733 | 15.672 | 15.752 | VV | 11628  | 375055  | 3.29%  | 0.239% |
| 311 | 15.776 | 15.752 | 15.793 | VV | 20642  | 322677  | 2.83%  | 0.205% |
| 312 | 15.820 | 15.793 | 15.842 | VV | 89528  | 1219120 | 10.69% | 0.775% |
| 313 | 15.859 | 15.842 | 15.890 | VV | 40688  | 689893  | 6.05%  | 0.439% |
| 314 | 15.908 | 15.890 | 15.942 | VV | 23272  | 509056  | 4.47%  | 0.324% |
| 315 | 15.981 | 15.942 | 16.034 | VV | 43390  | 1340498 | 11.76% | 0.853% |
| 316 | 16.057 | 16.034 | 16.087 | VV | 20733  | 416622  | 3.65%  | 0.265% |
| 317 | 16.105 | 16.087 | 16.127 | VV | 9290   | 160440  | 1.41%  | 0.102% |
| 318 | 16.147 | 16.127 | 16.189 | VV | 14898  | 264353  | 2.32%  | 0.168% |
| 319 | 16.216 | 16.189 | 16.303 | VV | 21638  | 655088  | 5.75%  | 0.417% |
| 320 | 16.324 | 16.303 | 16.343 | VV | 6217   | 102531  | 0.90%  | 0.065% |
| 321 | 16.360 | 16.343 | 16.375 | VV | 5412   | 80571   | 0.71%  | 0.051% |
| 322 | 16.383 | 16.375 | 16.398 | VV | 4724   | 60296   | 0.53%  | 0.038% |
| 323 | 16.423 | 16.398 | 16.447 | VV | 13352  | 242236  | 2.12%  | 0.154% |
| 324 | 16.464 | 16.447 | 16.484 | VV | 14997  | 205828  | 1.81%  | 0.131% |
| 325 | 16.505 | 16.484 | 16.557 | VV | 20350  | 499027  | 4.38%  | 0.317% |
| 326 | 16.625 | 16.557 | 16.650 | VV | 24754  | 699691  | 6.14%  | 0.445% |
| 327 | 16.670 | 16.650 | 16.682 | VV | 14762  | 219528  | 1.93%  | 0.140% |
| 328 | 16.716 | 16.682 | 16.732 | VV | 303378 | 4319621 | 37.89% | 2.748% |
| 329 | 16.740 | 16.732 | 16.777 | VV | 130706 | 1551231 | 13.61% | 0.987% |
| 330 | 16.789 | 16.777 | 16.812 | VV | 8032   | 142106  | 1.25%  | 0.090% |
| 331 | 16.844 | 16.812 | 16.869 | VV | 56066  | 842151  | 7.39%  | 0.536% |
| 332 | 16.878 | 16.869 | 16.899 | VV | 14614  | 198006  | 1.74%  | 0.126% |
| 333 | 16.917 | 16.899 | 16.932 | VV | 7906   | 147492  | 1.29%  | 0.094% |
| 334 | 16.969 | 16.932 | 16.978 | VV | 14266  | 251692  | 2.21%  | 0.160% |
| 335 | 17.036 | 16.978 | 17.067 | VV | 181129 | 2934923 | 25.74% | 1.867% |
| 336 | 17.097 | 17.067 | 17.163 | VV | 244226 | 3507190 | 30.76% | 2.231% |
| 337 | 17.197 | 17.163 | 17.230 | VV | 63106  | 1056200 | 9.26%  | 0.672% |
| 338 | 17.251 | 17.230 | 17.286 | VV | 16920  | 400280  | 3.51%  | 0.255% |
| 339 | 17.341 | 17.286 | 17.382 | VV | 22223  | 808808  | 7.09%  | 0.514% |
| 340 | 17.399 | 17.382 | 17.421 | VV | 11224  | 197165  | 1.73%  | 0.125% |
| 341 | 17.460 | 17.421 | 17.539 | VV | 33447  | 1259722 | 11.05% | 0.801% |
| 342 | 17.561 | 17.539 | 17.569 | VV | 10781  | 147398  | 1.29%  | 0.094% |
| 343 | 17.598 | 17.569 | 17.610 | VV | 20917  | 384598  | 3.37%  | 0.245% |
| 344 | 17.625 | 17.610 | 17.659 | VV | 21829  | 405666  | 3.56%  | 0.258% |
| 345 | 17.687 | 17.659 | 17.704 | VV | 18888  | 327668  | 2.87%  | 0.208% |
| 346 | 17.717 | 17.704 | 17.734 | VV | 13997  | 199246  | 1.75%  | 0.127% |
| 347 | 17.757 | 17.734 | 17.785 | VV | 22357  | 473271  | 4.15%  | 0.301% |
| 348 | 17.795 | 17.785 | 17.841 | VV | 12268  | 269278  | 2.36%  | 0.171% |
| 349 | 17.875 | 17.841 | 17.902 | VV | 9053   | 263801  | 2.31%  | 0.168% |
| 350 | 17.915 | 17.902 | 17.929 | VV | 5827   | 78098   | 0.69%  | 0.050% |
| 351 | 17.945 | 17.929 | 17.984 | VV | 5268   | 137000  | 1.20%  | 0.087% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 352    | 18.063 | 17.984 | 18.081 | VV | 13869  | 448582  | 3.93%  | 0.285% |
| 353    | 18.097 | 18.081 | 18.127 | VV | 13415  | 246953  | 2.17%  | 0.157% |
| 354    | 18.184 | 18.127 | 18.214 | VV | 20247  | 563802  | 4.95%  | 0.359% |
| 355    | 18.257 | 18.214 | 18.309 | VV | 20554  | 773545  | 6.78%  | 0.492% |
| 356    | 18.319 | 18.309 | 18.344 | VV | 8503   | 154301  | 1.35%  | 0.098% |
| 357    | 18.381 | 18.344 | 18.415 | VV | 48252  | 921448  | 8.08%  | 0.586% |
| 358    | 18.433 | 18.415 | 18.449 | VV | 19277  | 341818  | 3.00%  | 0.217% |
| 359    | 18.477 | 18.449 | 18.500 | VV | 143305 | 2178490 | 19.11% | 1.386% |
| 360    | 18.513 | 18.500 | 18.541 | VV | 35553  | 635718  | 5.58%  | 0.404% |
| 361    | 18.558 | 18.541 | 18.582 | VV | 19054  | 354432  | 3.11%  | 0.225% |
| 362    | 18.607 | 18.582 | 18.624 | VV | 46785  | 695136  | 6.10%  | 0.442% |
| 363    | 18.638 | 18.624 | 18.659 | VV | 34342  | 543920  | 4.77%  | 0.346% |
| 364    | 18.670 | 18.659 | 18.698 | VV | 18958  | 305707  | 2.68%  | 0.194% |
| 365    | 18.730 | 18.698 | 18.787 | VV | 127291 | 1977397 | 17.34% | 1.258% |
| 366    | 18.813 | 18.787 | 18.837 | VV | 17124  | 383276  | 3.36%  | 0.244% |
| 367    | 18.866 | 18.837 | 18.938 | VV | 46615  | 1045878 | 9.17%  | 0.665% |
| 368    | 18.969 | 18.938 | 18.990 | VV | 9588   | 213267  | 1.87%  | 0.136% |
| 369    | 19.001 | 18.990 | 19.010 | VV | 6642   | 71995   | 0.63%  | 0.046% |
| 370    | 19.043 | 19.010 | 19.066 | VV | 10562  | 266502  | 2.34%  | 0.170% |
| 371    | 19.078 | 19.066 | 19.100 | VV | 7466   | 136823  | 1.20%  | 0.087% |
| 372    | 19.121 | 19.100 | 19.136 | VV | 7935   | 149062  | 1.31%  | 0.095% |
| 373    | 19.166 | 19.136 | 19.194 | VV | 16514  | 362870  | 3.18%  | 0.231% |
| 374    | 19.216 | 19.194 | 19.225 | VV | 7763   | 145107  | 1.27%  | 0.092% |
| 375    | 19.252 | 19.225 | 19.285 | VV | 19158  | 455333  | 3.99%  | 0.290% |
| 376    | 19.308 | 19.285 | 19.365 | VV | 16589  | 528693  | 4.64%  | 0.336% |
| 377    | 19.373 | 19.365 | 19.392 | VV | 6343   | 84723   | 0.74%  | 0.054% |
| 378    | 19.423 | 19.392 | 19.465 | VV | 13490  | 356561  | 3.13%  | 0.227% |
| 379    | 19.478 | 19.465 | 19.510 | VV | 4835   | 120736  | 1.06%  | 0.077% |
| 380    | 19.528 | 19.510 | 19.542 | VV | 4325   | 75295   | 0.66%  | 0.048% |
| 381    | 19.568 | 19.542 | 19.646 | VV | 7141   | 292891  | 2.57%  | 0.186% |
| 382    | 19.687 | 19.646 | 19.715 | VV | 6391   | 214483  | 1.88%  | 0.136% |
| 383    | 19.749 | 19.715 | 19.779 | VV | 8514   | 251798  | 2.21%  | 0.160% |
| 384    | 19.789 | 19.779 | 19.805 | VV | 6954   | 102325  | 0.90%  | 0.065% |
| 385    | 19.818 | 19.805 | 19.832 | VV | 8268   | 117798  | 1.03%  | 0.075% |
| 386    | 19.891 | 19.832 | 19.930 | VV | 49790  | 1220845 | 10.71% | 0.777% |
| 387    | 19.960 | 19.930 | 19.996 | VV | 51018  | 1099136 | 9.64%  | 0.699% |
| 388    | 20.027 | 19.996 | 20.040 | VV | 20295  | 465428  | 4.08%  | 0.296% |
| 389    | 20.048 | 20.040 | 20.132 | VV | 17616  | 644594  | 5.65%  | 0.410% |
| 390    | 20.180 | 20.132 | 20.219 | VV | 16089  | 460878  | 4.04%  | 0.293% |
| 391    | 20.274 | 20.219 | 20.318 | VV | 60898  | 1433151 | 12.57% | 0.912% |
| 392    | 20.345 | 20.318 | 20.366 | VV | 26970  | 533924  | 4.68%  | 0.340% |
| 393    | 20.383 | 20.366 | 20.400 | VV | 18029  | 340777  | 2.99%  | 0.217% |
| 394    | 20.415 | 20.400 | 20.465 | VV | 18828  | 556779  | 4.88%  | 0.354% |
| 395    | 20.495 | 20.465 | 20.505 | VV | 9774   | 215755  | 1.89%  | 0.137% |
| 396    | 20.553 | 20.505 | 20.580 | VV | 11275  | 470802  | 4.13%  | 0.299% |
| 397    | 20.592 | 20.580 | 20.614 | VV | 10546  | 198309  | 1.74%  | 0.126% |
| 398    | 20.629 | 20.614 | 20.683 | VV | 9662   | 364282  | 3.20%  | 0.232% |
| 399    | 20.701 | 20.683 | 20.719 | VV | 8974   | 177278  | 1.55%  | 0.113% |
| 400    | 20.803 | 20.719 | 20.831 | VV | 12191  | 657302  | 5.77%  | 0.418% |
| 401    | 20.844 | 20.831 | 20.851 | VV | 8754   | 100947  | 0.89%  | 0.064% |
| 402    | 20.866 | 20.851 | 20.911 | VV | 9539   | 284303  | 2.49%  | 0.181% |
| 403    | 20.944 | 20.911 | 21.017 | VV | 10888  | 527752  | 4.63%  | 0.336% |
| 404    | 21.044 | 21.017 | 21.075 | VV | 8636   | 254278  | 2.23%  | 0.162% |

|                         |        |        |        |     | rteres    |        |       |        |
|-------------------------|--------|--------|--------|-----|-----------|--------|-------|--------|
| 405                     | 21.104 | 21.075 | 21.112 | VV  | 6291      | 130200 | 1.14% | 0.083% |
| 406                     | 21.169 | 21.112 | 21.217 | VV  | 7138      | 376390 | 3.30% | 0.239% |
| 407                     | 21.250 | 21.217 | 21.277 | VV  | 5358      | 175970 | 1.54% | 0.112% |
| 408                     | 21.320 | 21.277 | 21.375 | VV  | 10258     | 434743 | 3.81% | 0.277% |
| 409                     | 21.411 | 21.375 | 21.462 | VV  | 8706      | 263328 | 2.31% | 0.167% |
| 410                     | 21.523 | 21.462 | 21.574 | VV  | 8202      | 343656 | 3.01% | 0.219% |
| 411                     | 21.618 | 21.574 | 21.651 | VV  | 8658      | 275977 | 2.42% | 0.176% |
| 412                     | 21.719 | 21.651 | 21.776 | VV  | 16230     | 788760 | 6.92% | 0.502% |
| 413                     | 21.800 | 21.776 | 21.864 | VV  | 6123      | 193282 | 1.70% | 0.123% |
| 414                     | 21.888 | 21.864 | 21.914 | VV  | 3271      | 70040  | 0.61% | 0.045% |
| 415                     | 21.938 | 21.914 | 21.988 | VV  | 4433      | 100742 | 0.88% | 0.064% |
| 416                     | 22.037 | 21.988 | 22.074 | PV  | 6466      | 180382 | 1.58% | 0.115% |
| 417                     | 22.116 | 22.074 | 22.200 | VBA | 6996      | 276752 | 2.43% | 0.176% |
| Sum of corrected areas: |        |        |        |     | 157211157 |        |       |        |

FG042425.M Wed Apr 30 02:09:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015768.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 15:49  
Operator : YP\AJ  
Sample : Q1901-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB02

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.000 | 2281901  | 19.381 ug/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

(m)=manual int.

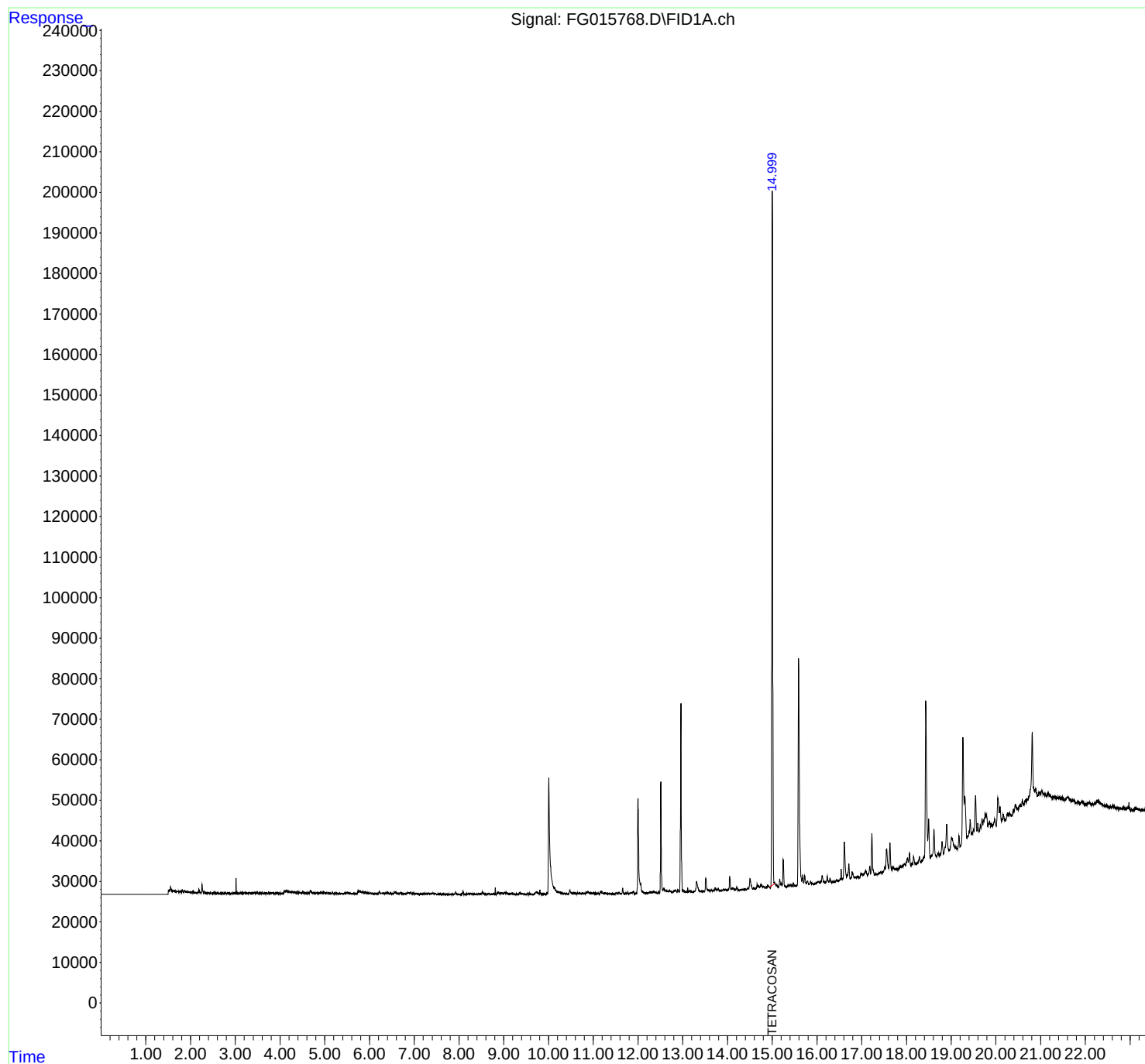


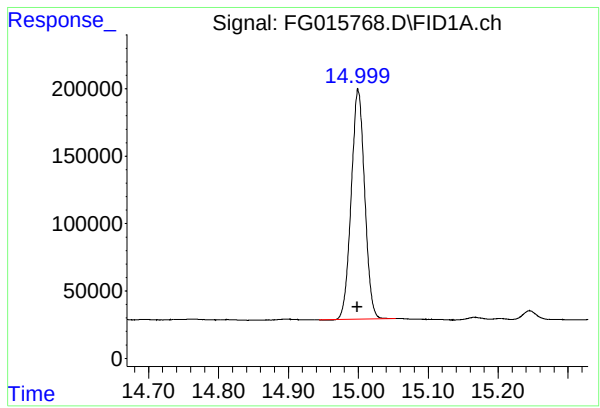
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015768.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 15:49  
Operator : YP\AJ  
Sample : Q1901-04  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB02

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

Sample Results: **FG015768.D**

R.T.: 15.000 min  
Delta R.T.: 0.001 min  
Response: 2281901  
Conc: 19.38 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
B-167-SB02

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015768.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 15:49  
 Sample : Q1901-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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         | 1.934       | 1.912        | 2.013      | BV       | 347            | 2780         | 0.12%          | 0.014%        |
| 2         | 2.018       | 2.013        | 2.040      | VV       | 106            | 1258         | 0.05%          | 0.006%        |
| 3         | 2.052       | 2.040        | 2.091      | PV       | 290            | 4129         | 0.18%          | 0.021%        |
| 4         | 2.099       | 2.091        | 2.104      | VV       | 95             | 396          | 0.02%          | 0.002%        |
| 5         | 2.113       | 2.104        | 2.128      | PV       | 103            | 773          | 0.03%          | 0.004%        |
| 6         | 2.138       | 2.128        | 2.142      | VV       | 106            | 493          | 0.02%          | 0.002%        |
| 7         | 2.147       | 2.142        | 2.151      | VV       | 55             | 323          | 0.01%          | 0.002%        |
| 8         | 2.156       | 2.151        | 2.164      | VV       | 136            | 551          | 0.02%          | 0.003%        |
| 9         | 2.186       | 2.164        | 2.240      | VV       | 888            | 15195        | 0.65%          | 0.076%        |
| 10        | 2.256       | 2.240        | 2.290      | VV       | 2127           | 25684        | 1.09%          | 0.129%        |
| 11        | 2.301       | 2.290        | 2.322      | VV       | 358            | 3825         | 0.16%          | 0.019%        |
| 12        | 2.330       | 2.322        | 2.351      | VV       | 115            | 1338         | 0.06%          | 0.007%        |
| 13        | 2.358       | 2.351        | 2.365      | VV       | 137            | 668          | 0.03%          | 0.003%        |
| 14        | 2.370       | 2.365        | 2.385      | VV       | 144            | 1095         | 0.05%          | 0.006%        |
| 15        | 2.389       | 2.385        | 2.401      | VV       | 135            | 799          | 0.03%          | 0.004%        |
| 16        | 2.406       | 2.401        | 2.411      | VV       | 125            | 587          | 0.02%          | 0.003%        |
| 17        | 2.415       | 2.411        | 2.432      | VV       | 135            | 1149         | 0.05%          | 0.006%        |
| 18        | 2.438       | 2.432        | 2.462      | VV       | 128            | 1357         | 0.06%          | 0.007%        |
| 19        | 2.467       | 2.462        | 2.486      | VV       | 91             | 717          | 0.03%          | 0.004%        |
| 20        | 2.499       | 2.486        | 2.507      | PV       | 142            | 1080         | 0.05%          | 0.005%        |
| 21        | 2.529       | 2.507        | 2.540      | VV       | 220            | 2267         | 0.10%          | 0.011%        |
| 22        | 2.546       | 2.540        | 2.565      | VV       | 142            | 1145         | 0.05%          | 0.006%        |
| 23        | 2.573       | 2.565        | 2.592      | VV       | 111            | 910          | 0.04%          | 0.005%        |
| 24        | 2.598       | 2.592        | 2.604      | VV       | 367            | 732          | 0.03%          | 0.004%        |
| 25        | 2.610       | 2.604        | 2.619      | VV       | 152            | 688          | 0.03%          | 0.003%        |
| 26        | 2.629       | 2.619        | 2.643      | VV       | 145            | 1017         | 0.04%          | 0.005%        |
| 27        | 2.650       | 2.643        | 2.655      | VV       | 120            | 388          | 0.02%          | 0.002%        |
| 28        | 2.667       | 2.655        | 2.680      | VV       | 129            | 1085         | 0.05%          | 0.005%        |
| 29        | 2.726       | 2.680        | 2.734      | VV       | 167            | 2794         | 0.12%          | 0.014%        |
| 30        | 2.744       | 2.734        | 2.757      | VV       | 145            | 1453         | 0.06%          | 0.007%        |
| 31        | 2.766       | 2.757        | 2.789      | VV       | 149            | 2306         | 0.10%          | 0.012%        |
| 32        | 2.795       | 2.789        | 2.799      | VV       | 119            | 613          | 0.03%          | 0.003%        |
| 33        | 2.805       | 2.799        | 2.824      | PV       | 143            | 1292         | 0.05%          | 0.006%        |
| 34        | 2.830       | 2.824        | 2.846      | VV       | 156            | 1185         | 0.05%          | 0.006%        |
| 35        | 2.857       | 2.846        | 2.886      | VV       | 146            | 1887         | 0.08%          | 0.009%        |
| 36        | 2.892       | 2.886        | 2.900      | VV       | 121            | 668          | 0.03%          | 0.003%        |

|    |       |       |       |    | rters |       |       |        |
|----|-------|-------|-------|----|-------|-------|-------|--------|
| 37 | 2.904 | 2.900 | 2.913 | VV | 146   | 632   | 0.03% | 0.003% |
| 38 | 2.922 | 2.913 | 2.928 | VV | 160   | 995   | 0.04% | 0.005% |
| 39 | 2.933 | 2.928 | 2.943 | VV | 172   | 966   | 0.04% | 0.005% |
| 40 | 2.966 | 2.943 | 2.979 | VV | 201   | 2804  | 0.12% | 0.014% |
| 41 | 2.983 | 2.979 | 3.003 | VV | 161   | 1581  | 0.07% | 0.008% |
| 42 | 3.016 | 3.003 | 3.023 | VV | 2923  | 4372  | 0.19% | 0.022% |
| 43 | 3.040 | 3.023 | 3.068 | VV | 225   | 4074  | 0.17% | 0.020% |
| 44 | 3.074 | 3.068 | 3.084 | VV | 206   | 1314  | 0.06% | 0.007% |
| 45 | 3.091 | 3.084 | 3.124 | VV | 171   | 3053  | 0.13% | 0.015% |
| 46 | 3.127 | 3.124 | 3.134 | VV | 189   | 700   | 0.03% | 0.004% |
| 47 | 3.137 | 3.134 | 3.141 | VV | 181   | 602   | 0.03% | 0.003% |
| 48 | 3.146 | 3.141 | 3.154 | VV | 173   | 905   | 0.04% | 0.005% |
| 49 | 3.172 | 3.154 | 3.185 | VV | 236   | 2816  | 0.12% | 0.014% |
| 50 | 3.189 | 3.185 | 3.196 | VV | 173   | 1028  | 0.04% | 0.005% |
| 51 | 3.207 | 3.196 | 3.218 | VV | 193   | 2030  | 0.09% | 0.010% |
| 52 | 3.221 | 3.218 | 3.243 | VV | 197   | 2393  | 0.10% | 0.012% |
| 53 | 3.246 | 3.243 | 3.269 | VV | 201   | 2377  | 0.10% | 0.012% |
| 54 | 3.272 | 3.269 | 3.281 | VV | 208   | 1185  | 0.05% | 0.006% |
| 55 | 3.286 | 3.281 | 3.300 | VV | 185   | 1670  | 0.07% | 0.008% |
| 56 | 3.305 | 3.300 | 3.317 | VV | 196   | 1513  | 0.06% | 0.008% |
| 57 | 3.321 | 3.317 | 3.339 | VV | 187   | 1819  | 0.08% | 0.009% |
| 58 | 3.353 | 3.339 | 3.362 | VV | 216   | 2319  | 0.10% | 0.012% |
| 59 | 3.377 | 3.362 | 3.383 | VV | 191   | 1896  | 0.08% | 0.010% |
| 60 | 3.390 | 3.383 | 3.397 | VV | 186   | 1308  | 0.06% | 0.007% |
| 61 | 3.402 | 3.397 | 3.408 | VV | 219   | 1137  | 0.05% | 0.006% |
| 62 | 3.415 | 3.408 | 3.438 | VV | 268   | 3742  | 0.16% | 0.019% |
| 63 | 3.455 | 3.438 | 3.476 | VV | 302   | 4908  | 0.21% | 0.025% |
| 64 | 3.481 | 3.476 | 3.501 | VV | 237   | 2991  | 0.13% | 0.015% |
| 65 | 3.503 | 3.501 | 3.519 | VV | 215   | 1918  | 0.08% | 0.010% |
| 66 | 3.522 | 3.519 | 3.526 | VV | 216   | 823   | 0.03% | 0.004% |
| 67 | 3.531 | 3.526 | 3.541 | VV | 212   | 1529  | 0.06% | 0.008% |
| 68 | 3.552 | 3.541 | 3.570 | VV | 224   | 3146  | 0.13% | 0.016% |
| 69 | 3.589 | 3.570 | 3.606 | VV | 234   | 3562  | 0.15% | 0.018% |
| 70 | 3.624 | 3.606 | 3.665 | VV | 242   | 5914  | 0.25% | 0.030% |
| 71 | 3.669 | 3.665 | 3.673 | VV | 220   | 782   | 0.03% | 0.004% |
| 72 | 3.677 | 3.673 | 3.688 | VV | 189   | 1355  | 0.06% | 0.007% |
| 73 | 3.693 | 3.688 | 3.711 | VV | 210   | 2469  | 0.10% | 0.012% |
| 74 | 3.729 | 3.711 | 3.735 | VV | 224   | 2354  | 0.10% | 0.012% |
| 75 | 3.743 | 3.735 | 3.767 | VV | 210   | 2908  | 0.12% | 0.015% |
| 76 | 3.780 | 3.767 | 3.793 | VV | 219   | 2346  | 0.10% | 0.012% |
| 77 | 3.826 | 3.793 | 3.849 | VV | 298   | 7019  | 0.30% | 0.035% |
| 78 | 3.855 | 3.849 | 3.866 | VV | 187   | 1638  | 0.07% | 0.008% |
| 79 | 3.871 | 3.866 | 3.893 | VV | 202   | 2427  | 0.10% | 0.012% |
| 80 | 3.897 | 3.893 | 3.901 | VV | 129   | 547   | 0.02% | 0.003% |
| 81 | 3.915 | 3.901 | 3.923 | VV | 202   | 1906  | 0.08% | 0.010% |
| 82 | 3.927 | 3.923 | 3.936 | VV | 191   | 1093  | 0.05% | 0.005% |
| 83 | 3.939 | 3.936 | 3.962 | VV | 191   | 2168  | 0.09% | 0.011% |
| 84 | 3.964 | 3.962 | 3.969 | VV | 184   | 504   | 0.02% | 0.003% |
| 85 | 3.975 | 3.969 | 3.998 | VV | 185   | 2179  | 0.09% | 0.011% |
| 86 | 4.004 | 3.998 | 4.009 | VV | 134   | 922   | 0.04% | 0.005% |
| 87 | 4.013 | 4.009 | 4.031 | VV | 193   | 1875  | 0.08% | 0.009% |
| 88 | 4.047 | 4.031 | 4.062 | VV | 172   | 2563  | 0.11% | 0.013% |
| 89 | 4.111 | 4.062 | 4.123 | VV | 747   | 17139 | 0.73% | 0.086% |

|     |       |       |       |    | rt  | Area  | Area% | Height% |
|-----|-------|-------|-------|----|-----|-------|-------|---------|
| 90  | 4.134 | 4.123 | 4.162 | VV | 711 | 15517 | 0.66% | 0.078%  |
| 91  | 4.169 | 4.162 | 4.173 | VV | 654 | 4092  | 0.17% | 0.021%  |
| 92  | 4.178 | 4.173 | 4.213 | VV | 677 | 13396 | 0.57% | 0.067%  |
| 93  | 4.223 | 4.213 | 4.228 | VV | 534 | 4605  | 0.20% | 0.023%  |
| 94  | 4.234 | 4.228 | 4.249 | VV | 554 | 6218  | 0.26% | 0.031%  |
| 95  | 4.254 | 4.249 | 4.264 | VV | 520 | 4456  | 0.19% | 0.022%  |
| 96  | 4.271 | 4.264 | 4.316 | VV | 474 | 13562 | 0.58% | 0.068%  |
| 97  | 4.325 | 4.316 | 4.366 | VV | 539 | 12672 | 0.54% | 0.064%  |
| 98  | 4.372 | 4.366 | 4.394 | VV | 439 | 5184  | 0.22% | 0.026%  |
| 99  | 4.399 | 4.394 | 4.419 | VV | 333 | 4300  | 0.18% | 0.022%  |
| 100 | 4.434 | 4.419 | 4.444 | VV | 348 | 4304  | 0.18% | 0.022%  |
| 101 | 4.447 | 4.444 | 4.482 | VV | 293 | 5661  | 0.24% | 0.028%  |
| 102 | 4.506 | 4.482 | 4.542 | VV | 544 | 12503 | 0.53% | 0.063%  |
| 103 | 4.546 | 4.542 | 4.550 | VV | 292 | 1114  | 0.05% | 0.006%  |
| 104 | 4.553 | 4.550 | 4.567 | VV | 284 | 2534  | 0.11% | 0.013%  |
| 105 | 4.579 | 4.567 | 4.605 | VV | 259 | 5357  | 0.23% | 0.027%  |
| 106 | 4.628 | 4.605 | 4.633 | VV | 402 | 5239  | 0.22% | 0.026%  |
| 107 | 4.635 | 4.633 | 4.652 | VV | 351 | 3357  | 0.14% | 0.017%  |
| 108 | 4.679 | 4.652 | 4.731 | VV | 957 | 22377 | 0.95% | 0.113%  |
| 109 | 4.739 | 4.731 | 4.748 | VV | 287 | 2579  | 0.11% | 0.013%  |
| 110 | 4.751 | 4.748 | 4.754 | VV | 266 | 915   | 0.04% | 0.005%  |
| 111 | 4.757 | 4.754 | 4.786 | VV | 280 | 4447  | 0.19% | 0.022%  |
| 112 | 4.790 | 4.786 | 4.796 | VV | 208 | 1163  | 0.05% | 0.006%  |
| 113 | 4.808 | 4.796 | 4.812 | VV | 277 | 2144  | 0.09% | 0.011%  |
| 114 | 4.838 | 4.812 | 4.844 | VV | 306 | 4723  | 0.20% | 0.024%  |
| 115 | 4.846 | 4.844 | 4.857 | VV | 294 | 1994  | 0.08% | 0.010%  |
| 116 | 4.880 | 4.857 | 4.886 | VV | 391 | 5759  | 0.24% | 0.029%  |
| 117 | 4.904 | 4.886 | 4.928 | VV | 427 | 8650  | 0.37% | 0.044%  |
| 118 | 4.931 | 4.928 | 4.935 | VV | 368 | 1374  | 0.06% | 0.007%  |
| 119 | 4.938 | 4.935 | 5.012 | VV | 316 | 13274 | 0.56% | 0.067%  |
| 120 | 5.019 | 5.012 | 5.062 | VV | 249 | 6639  | 0.28% | 0.033%  |
| 121 | 5.077 | 5.062 | 5.085 | VV | 283 | 3506  | 0.15% | 0.018%  |
| 122 | 5.092 | 5.085 | 5.148 | VV | 312 | 7448  | 0.32% | 0.037%  |
| 123 | 5.173 | 5.148 | 5.185 | VV | 345 | 5445  | 0.23% | 0.027%  |
| 124 | 5.189 | 5.185 | 5.197 | VV | 241 | 1461  | 0.06% | 0.007%  |
| 125 | 5.203 | 5.197 | 5.241 | VV | 229 | 4456  | 0.19% | 0.022%  |
| 126 | 5.249 | 5.241 | 5.274 | VV | 206 | 3085  | 0.13% | 0.016%  |
| 127 | 5.278 | 5.274 | 5.283 | VV | 183 | 705   | 0.03% | 0.004%  |
| 128 | 5.288 | 5.283 | 5.304 | VV | 177 | 1635  | 0.07% | 0.008%  |
| 129 | 5.307 | 5.304 | 5.314 | VV | 162 | 751   | 0.03% | 0.004%  |
| 130 | 5.340 | 5.314 | 5.357 | VV | 216 | 4251  | 0.18% | 0.021%  |
| 131 | 5.374 | 5.357 | 5.385 | VV | 206 | 2604  | 0.11% | 0.013%  |
| 132 | 5.395 | 5.385 | 5.401 | VV | 188 | 1363  | 0.06% | 0.007%  |
| 133 | 5.408 | 5.401 | 5.413 | VV | 175 | 1086  | 0.05% | 0.005%  |
| 134 | 5.418 | 5.413 | 5.424 | VV | 212 | 1067  | 0.05% | 0.005%  |
| 135 | 5.486 | 5.424 | 5.515 | VV | 470 | 15853 | 0.67% | 0.080%  |
| 136 | 5.519 | 5.515 | 5.526 | VV | 342 | 1829  | 0.08% | 0.009%  |
| 137 | 5.529 | 5.526 | 5.543 | VV | 275 | 2373  | 0.10% | 0.012%  |
| 138 | 5.550 | 5.543 | 5.619 | VV | 242 | 8078  | 0.34% | 0.041%  |
| 139 | 5.631 | 5.619 | 5.634 | VV | 159 | 1102  | 0.05% | 0.006%  |
| 140 | 5.652 | 5.634 | 5.667 | VV | 265 | 3614  | 0.15% | 0.018%  |
| 141 | 5.677 | 5.667 | 5.683 | VV | 206 | 1715  | 0.07% | 0.009%  |

|     |       |       |       |    | rterres |       |       |        |
|-----|-------|-------|-------|----|---------|-------|-------|--------|
| 142 | 5.686 | 5.683 | 5.701 | VV | 176     | 1478  | 0.06% | 0.007% |
| 143 | 5.705 | 5.701 | 5.713 | VV | 202     | 1004  | 0.04% | 0.005% |
| 144 | 5.754 | 5.713 | 5.831 | VV | 727     | 40076 | 1.70% | 0.202% |
| 145 | 5.833 | 5.831 | 5.841 | VV | 560     | 3064  | 0.13% | 0.015% |
| 146 | 5.851 | 5.841 | 5.871 | VV | 562     | 8870  | 0.38% | 0.045% |
| 147 | 5.872 | 5.871 | 5.903 | VV | 511     | 8172  | 0.35% | 0.041% |
| 148 | 5.913 | 5.903 | 5.944 | VV | 490     | 9739  | 0.41% | 0.049% |
| 149 | 5.950 | 5.944 | 5.961 | VV | 359     | 3239  | 0.14% | 0.016% |
| 150 | 5.964 | 5.961 | 5.969 | VV | 370     | 1610  | 0.07% | 0.008% |
| 151 | 5.974 | 5.969 | 5.989 | VV | 356     | 3493  | 0.15% | 0.018% |
| 152 | 5.992 | 5.989 | 6.009 | VV | 316     | 3161  | 0.13% | 0.016% |
| 153 | 6.023 | 6.009 | 6.075 | VV | 335     | 9635  | 0.41% | 0.048% |
| 154 | 6.079 | 6.075 | 6.083 | VV | 210     | 781   | 0.03% | 0.004% |
| 155 | 6.086 | 6.083 | 6.092 | VV | 188     | 1002  | 0.04% | 0.005% |
| 156 | 6.096 | 6.092 | 6.107 | VV | 202     | 1610  | 0.07% | 0.008% |
| 157 | 6.112 | 6.107 | 6.157 | VV | 252     | 5040  | 0.21% | 0.025% |
| 158 | 6.176 | 6.157 | 6.193 | VV | 173     | 3161  | 0.13% | 0.016% |
| 159 | 6.219 | 6.193 | 6.244 | VV | 805     | 12177 | 0.52% | 0.061% |
| 160 | 6.249 | 6.244 | 6.255 | VV | 314     | 1959  | 0.08% | 0.010% |
| 161 | 6.262 | 6.255 | 6.270 | VV | 305     | 2621  | 0.11% | 0.013% |
| 162 | 6.283 | 6.270 | 6.308 | VV | 319     | 6196  | 0.26% | 0.031% |
| 163 | 6.329 | 6.308 | 6.346 | VV | 344     | 6042  | 0.26% | 0.030% |
| 164 | 6.350 | 6.346 | 6.359 | VV | 317     | 2082  | 0.09% | 0.010% |
| 165 | 6.366 | 6.359 | 6.377 | VV | 321     | 3077  | 0.13% | 0.015% |
| 166 | 6.398 | 6.377 | 6.430 | VV | 651     | 12097 | 0.51% | 0.061% |
| 167 | 6.456 | 6.430 | 6.476 | VV | 301     | 6332  | 0.27% | 0.032% |
| 168 | 6.480 | 6.476 | 6.488 | VV | 243     | 1705  | 0.07% | 0.009% |
| 169 | 6.492 | 6.488 | 6.497 | VV | 248     | 1295  | 0.06% | 0.007% |
| 170 | 6.499 | 6.497 | 6.511 | VV | 240     | 1413  | 0.06% | 0.007% |
| 171 | 6.520 | 6.511 | 6.531 | VV | 193     | 1964  | 0.08% | 0.010% |
| 172 | 6.563 | 6.531 | 6.604 | VV | 539     | 16590 | 0.70% | 0.083% |
| 173 | 6.606 | 6.604 | 6.627 | VV | 359     | 3877  | 0.16% | 0.019% |
| 174 | 6.639 | 6.627 | 6.673 | VV | 316     | 7429  | 0.32% | 0.037% |
| 175 | 6.683 | 6.673 | 6.709 | VV | 363     | 6554  | 0.28% | 0.033% |
| 176 | 6.713 | 6.709 | 6.732 | VV | 255     | 2837  | 0.12% | 0.014% |
| 177 | 6.741 | 6.732 | 6.749 | VV | 206     | 1667  | 0.07% | 0.008% |
| 178 | 6.759 | 6.749 | 6.768 | VV | 197     | 1826  | 0.08% | 0.009% |
| 179 | 6.774 | 6.768 | 6.781 | VV | 190     | 1169  | 0.05% | 0.006% |
| 180 | 6.785 | 6.781 | 6.804 | VV | 175     | 2087  | 0.09% | 0.010% |
| 181 | 6.866 | 6.804 | 6.877 | VV | 380     | 12247 | 0.52% | 0.062% |
| 182 | 6.882 | 6.877 | 6.893 | VV | 378     | 3353  | 0.14% | 0.017% |
| 183 | 6.898 | 6.893 | 6.912 | VV | 396     | 4039  | 0.17% | 0.020% |
| 184 | 6.918 | 6.912 | 6.939 | VV | 391     | 5563  | 0.24% | 0.028% |
| 185 | 6.944 | 6.939 | 6.951 | VV | 335     | 2131  | 0.09% | 0.011% |
| 186 | 6.964 | 6.951 | 7.006 | VV | 338     | 9012  | 0.38% | 0.045% |
| 187 | 7.011 | 7.006 | 7.024 | VV | 220     | 2020  | 0.09% | 0.010% |
| 188 | 7.030 | 7.024 | 7.104 | VV | 219     | 6767  | 0.29% | 0.034% |
| 189 | 7.111 | 7.104 | 7.137 | VV | 153     | 2023  | 0.09% | 0.010% |
| 190 | 7.144 | 7.137 | 7.152 | VV | 136     | 797   | 0.03% | 0.004% |
| 191 | 7.156 | 7.152 | 7.163 | VV | 147     | 752   | 0.03% | 0.004% |
| 192 | 7.184 | 7.163 | 7.221 | VV | 184     | 4896  | 0.21% | 0.025% |
| 193 | 7.224 | 7.221 | 7.237 | VV | 248     | 1732  | 0.07% | 0.009% |
| 194 | 7.243 | 7.237 | 7.254 | VV | 237     | 1945  | 0.08% | 0.010% |

|     |        |        |        |    |       |        |        |        |  |
|-----|--------|--------|--------|----|-------|--------|--------|--------|--|
|     |        |        |        |    | rters |        |        |        |  |
| 195 | 7.258  | 7.254  | 7.276  | VV | 271   | 2890   | 0.12%  | 0.015% |  |
| 196 | 7.283  | 7.276  | 7.292  | VV | 268   | 2274   | 0.10%  | 0.011% |  |
| 197 | 7.296  | 7.292  | 7.348  | VV | 222   | 6782   | 0.29%  | 0.034% |  |
| 198 | 7.402  | 7.348  | 7.452  | VV | 400   | 14611  | 0.62%  | 0.073% |  |
| 199 | 7.470  | 7.452  | 7.511  | VV | 211   | 4914   | 0.21%  | 0.025% |  |
| 200 | 7.532  | 7.511  | 7.544  | VV | 205   | 2593   | 0.11%  | 0.013% |  |
| 201 | 7.552  | 7.544  | 7.562  | VV | 177   | 1365   | 0.06%  | 0.007% |  |
| 202 | 7.574  | 7.562  | 7.609  | VV | 178   | 2995   | 0.13%  | 0.015% |  |
| 203 | 7.638  | 7.609  | 7.700  | VV | 267   | 5743   | 0.24%  | 0.029% |  |
| 204 | 7.726  | 7.700  | 7.747  | VV | 107   | 1946   | 0.08%  | 0.010% |  |
| 205 | 7.759  | 7.747  | 7.777  | VV | 95    | 1369   | 0.06%  | 0.007% |  |
| 206 | 7.782  | 7.777  | 7.791  | VV | 140   | 591    | 0.03%  | 0.003% |  |
| 207 | 7.806  | 7.791  | 7.852  | VV | 103   | 2654   | 0.11%  | 0.013% |  |
| 208 | 7.869  | 7.852  | 7.888  | VV | 82    | 1212   | 0.05%  | 0.006% |  |
| 209 | 7.918  | 7.888  | 7.988  | VV | 676   | 12302  | 0.52%  | 0.062% |  |
| 210 | 8.003  | 7.988  | 8.031  | VV | 163   | 1751   | 0.07%  | 0.009% |  |
| 211 | 8.090  | 8.031  | 8.115  | PV | 722   | 14026  | 0.60%  | 0.071% |  |
| 212 | 8.125  | 8.115  | 8.161  | VV | 146   | 3344   | 0.14%  | 0.017% |  |
| 213 | 8.172  | 8.161  | 8.194  | VV | 193   | 2958   | 0.13%  | 0.015% |  |
| 214 | 8.214  | 8.194  | 8.238  | VV | 254   | 5225   | 0.22%  | 0.026% |  |
| 215 | 8.246  | 8.238  | 8.257  | VV | 213   | 2250   | 0.10%  | 0.011% |  |
| 216 | 8.267  | 8.257  | 8.327  | VV | 266   | 8088   | 0.34%  | 0.041% |  |
| 217 | 8.340  | 8.327  | 8.381  | VV | 258   | 5631   | 0.24%  | 0.028% |  |
| 218 | 8.399  | 8.381  | 8.411  | VV | 164   | 2298   | 0.10%  | 0.012% |  |
| 219 | 8.436  | 8.411  | 8.469  | VV | 234   | 6153   | 0.26%  | 0.031% |  |
| 220 | 8.522  | 8.469  | 8.584  | VV | 744   | 20348  | 0.86%  | 0.102% |  |
| 221 | 8.654  | 8.584  | 8.697  | VV | 294   | 10403  | 0.44%  | 0.052% |  |
| 222 | 8.707  | 8.697  | 8.731  | VV | 152   | 1990   | 0.08%  | 0.010% |  |
| 223 | 8.770  | 8.731  | 8.800  | VV | 223   | 6328   | 0.27%  | 0.032% |  |
| 224 | 8.809  | 8.800  | 8.909  | VV | 1272  | 19811  | 0.84%  | 0.100% |  |
| 225 | 8.913  | 8.909  | 8.922  | VV | 350   | 2275   | 0.10%  | 0.011% |  |
| 226 | 8.953  | 8.922  | 8.992  | VV | 430   | 13547  | 0.58%  | 0.068% |  |
| 227 | 9.018  | 8.992  | 9.045  | VV | 520   | 12730  | 0.54%  | 0.064% |  |
| 228 | 9.060  | 9.045  | 9.106  | VV | 474   | 10753  | 0.46%  | 0.054% |  |
| 229 | 9.115  | 9.106  | 9.126  | VV | 201   | 2045   | 0.09%  | 0.010% |  |
| 230 | 9.176  | 9.126  | 9.232  | VV | 275   | 10989  | 0.47%  | 0.055% |  |
| 231 | 9.284  | 9.232  | 9.334  | VV | 215   | 6729   | 0.29%  | 0.034% |  |
| 232 | 9.352  | 9.334  | 9.374  | VV | 520   | 7148   | 0.30%  | 0.036% |  |
| 233 | 9.395  | 9.374  | 9.472  | VV | 369   | 10328  | 0.44%  | 0.052% |  |
| 234 | 9.485  | 9.472  | 9.506  | VV | 103   | 1462   | 0.06%  | 0.007% |  |
| 235 | 9.545  | 9.506  | 9.618  | VV | 343   | 8277   | 0.35%  | 0.042% |  |
| 236 | 9.628  | 9.618  | 9.654  | PV | 80    | 1112   | 0.05%  | 0.006% |  |
| 237 | 9.720  | 9.654  | 9.799  | VV | 643   | 28218  | 1.20%  | 0.142% |  |
| 238 | 9.807  | 9.799  | 9.841  | VV | 596   | 4728   | 0.20%  | 0.024% |  |
| 239 | 9.861  | 9.841  | 9.901  | VV | 200   | 4267   | 0.18%  | 0.021% |  |
| 240 | 9.915  | 9.901  | 9.938  | VV | 125   | 1545   | 0.07%  | 0.008% |  |
| 241 | 9.962  | 9.938  | 9.982  | PV | 377   | 5265   | 0.22%  | 0.026% |  |
| 242 | 10.008 | 9.982  | 10.120 | VV | 28580 | 676101 | 28.72% | 3.400% |  |
| 243 | 10.130 | 10.120 | 10.307 | VV | 1754  | 85086  | 3.61%  | 0.428% |  |
| 244 | 10.314 | 10.307 | 10.403 | VV | 292   | 11596  | 0.49%  | 0.058% |  |
| 245 | 10.410 | 10.403 | 10.435 | VV | 141   | 2453   | 0.10%  | 0.012% |  |
| 246 | 10.477 | 10.435 | 10.546 | VV | 1121  | 28138  | 1.20%  | 0.142% |  |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 10.585 | 10.546 | 10.607 | VV | 307    | 10211  | 0.43%  | 0.051% |
| 248 | 10.613 | 10.607 | 10.630 | VV | 277    | 3197   | 0.14%  | 0.016% |
| 249 | 10.652 | 10.630 | 10.677 | VV | 319    | 6445   | 0.27%  | 0.032% |
| 250 | 10.692 | 10.677 | 10.724 | VV | 449    | 7242   | 0.31%  | 0.036% |
| 251 | 10.755 | 10.724 | 10.794 | VV | 306    | 9858   | 0.42%  | 0.050% |
| 252 | 10.801 | 10.794 | 10.819 | VV | 262    | 2741   | 0.12%  | 0.014% |
| 253 | 10.843 | 10.819 | 10.861 | VV | 515    | 9096   | 0.39%  | 0.046% |
| 254 | 10.879 | 10.861 | 10.919 | VV | 628    | 16406  | 0.70%  | 0.083% |
| 255 | 10.944 | 10.919 | 10.966 | VV | 342    | 8679   | 0.37%  | 0.044% |
| 256 | 10.974 | 10.966 | 11.037 | VV | 337    | 10879  | 0.46%  | 0.055% |
| 257 | 11.049 | 11.037 | 11.087 | VV | 318    | 6172   | 0.26%  | 0.031% |
| 258 | 11.111 | 11.087 | 11.138 | VV | 307    | 6099   | 0.26%  | 0.031% |
| 259 | 11.170 | 11.138 | 11.232 | VV | 746    | 20801  | 0.88%  | 0.105% |
| 260 | 11.256 | 11.232 | 11.289 | VV | 394    | 8263   | 0.35%  | 0.042% |
| 261 | 11.315 | 11.289 | 11.372 | VV | 220    | 7644   | 0.32%  | 0.038% |
| 262 | 11.395 | 11.372 | 11.427 | VV | 212    | 4654   | 0.20%  | 0.023% |
| 263 | 11.454 | 11.427 | 11.487 | PV | 109    | 2961   | 0.13%  | 0.015% |
| 264 | 11.511 | 11.487 | 11.535 | VV | 412    | 6427   | 0.27%  | 0.032% |
| 265 | 11.557 | 11.535 | 11.566 | VV | 396    | 5414   | 0.23%  | 0.027% |
| 266 | 11.579 | 11.566 | 11.609 | VV | 484    | 6901   | 0.29%  | 0.035% |
| 267 | 11.659 | 11.609 | 11.714 | VV | 1498   | 22657  | 0.96%  | 0.114% |
| 268 | 11.738 | 11.714 | 11.756 | PV | 234    | 3129   | 0.13%  | 0.016% |
| 269 | 11.773 | 11.756 | 11.802 | VV | 478    | 5365   | 0.23%  | 0.027% |
| 270 | 11.825 | 11.802 | 11.841 | PV | 325    | 4386   | 0.19%  | 0.022% |
| 271 | 11.861 | 11.841 | 11.872 | VV | 393    | 6061   | 0.26%  | 0.030% |
| 272 | 11.896 | 11.872 | 11.949 | VV | 650    | 13807  | 0.59%  | 0.069% |
| 273 | 12.001 | 11.949 | 12.054 | VV | 23374  | 376611 | 16.00% | 1.894% |
| 274 | 12.060 | 12.054 | 12.201 | VV | 2500   | 48964  | 2.08%  | 0.246% |
| 275 | 12.254 | 12.201 | 12.290 | VV | 421    | 14049  | 0.60%  | 0.071% |
| 276 | 12.311 | 12.290 | 12.329 | VV | 425    | 7416   | 0.32%  | 0.037% |
| 277 | 12.344 | 12.329 | 12.366 | VV | 524    | 8925   | 0.38%  | 0.045% |
| 278 | 12.375 | 12.366 | 12.437 | VV | 467    | 9044   | 0.38%  | 0.045% |
| 279 | 12.459 | 12.437 | 12.478 | PV | 377    | 5569   | 0.24%  | 0.028% |
| 280 | 12.511 | 12.478 | 12.557 | VV | 27546  | 316904 | 13.46% | 1.594% |
| 281 | 12.575 | 12.557 | 12.592 | VV | 1318   | 20712  | 0.88%  | 0.104% |
| 282 | 12.604 | 12.592 | 12.627 | VV | 901    | 14586  | 0.62%  | 0.073% |
| 283 | 12.642 | 12.627 | 12.680 | VV | 621    | 16241  | 0.69%  | 0.082% |
| 284 | 12.708 | 12.680 | 12.766 | VV | 580    | 20747  | 0.88%  | 0.104% |
| 285 | 12.815 | 12.766 | 12.829 | VV | 637    | 15693  | 0.67%  | 0.079% |
| 286 | 12.841 | 12.829 | 12.869 | VV | 711    | 11640  | 0.49%  | 0.059% |
| 287 | 12.895 | 12.869 | 12.929 | VV | 730    | 15145  | 0.64%  | 0.076% |
| 288 | 12.959 | 12.929 | 13.067 | VV | 46735  | 588193 | 24.99% | 2.958% |
| 289 | 13.078 | 13.067 | 13.086 | VV | 190    | 1621   | 0.07%  | 0.008% |
| 290 | 13.112 | 13.086 | 13.129 | VV | 756    | 5001   | 0.21%  | 0.025% |
| 291 | 13.152 | 13.129 | 13.192 | VV | 387    | 8288   | 0.35%  | 0.042% |
| 292 | 13.206 | 13.192 | 13.233 | VV | 158    | 2871   | 0.12%  | 0.014% |
| 293 | 13.309 | 13.233 | 13.435 | VV | 2575   | 78695  | 3.34%  | 0.396% |
| 294 | 13.443 | 13.435 | 13.450 | VV | 145    | 1092   | 0.05%  | 0.005% |
| 295 | 13.461 | 13.450 | 13.486 | VV | 192    | 2239   | 0.10%  | 0.011% |
| 296 | 13.516 | 13.486 | 13.614 | PV | 3295   | 65364  | 2.78%  | 0.329% |
| 297 | 13.634 | 13.614 | 13.671 | VV | 358    | 7761   | 0.33%  | 0.039% |
| 298 | 13.687 | 13.671 | 13.701 | VV | 235    | 3364   | 0.14%  | 0.017% |
| 299 | 13.721 | 13.701 | 13.764 | VV | 815    | 19035  | 0.81%  | 0.096% |



|     |        |        |        |    |        |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
|     |        |        |        |    | rteres |         |         |         |
| 300 | 13.790 | 13.764 | 13.834 | VV | 746    | 15077   | 0.64%   | 0.076%  |
| 301 | 13.911 | 13.834 | 13.949 | VV | 384    | 15434   | 0.66%   | 0.078%  |
| 302 | 13.960 | 13.949 | 13.987 | VV | 227    | 4290    | 0.18%   | 0.022%  |
| 303 | 14.050 | 13.987 | 14.081 | VV | 3505   | 54478   | 2.31%   | 0.274%  |
| 304 | 14.096 | 14.081 | 14.109 | VV | 618    | 8343    | 0.35%   | 0.042%  |
| 305 | 14.121 | 14.109 | 14.169 | VV | 685    | 13985   | 0.59%   | 0.070%  |
| 306 | 14.207 | 14.169 | 14.231 | VV | 912    | 13437   | 0.57%   | 0.068%  |
| 307 | 14.244 | 14.231 | 14.256 | VV | 93     | 1155    | 0.05%   | 0.006%  |
| 308 | 14.268 | 14.256 | 14.279 | VV | 66     | 625     | 0.03%   | 0.003%  |
| 309 | 14.317 | 14.279 | 14.364 | PV | 186    | 5448    | 0.23%   | 0.027%  |
| 310 | 14.382 | 14.364 | 14.404 | VV | 85     | 1211    | 0.05%   | 0.006%  |
| 311 | 14.459 | 14.404 | 14.472 | PV | 446    | 7450    | 0.32%   | 0.037%  |
| 312 | 14.503 | 14.472 | 14.574 | VV | 2707   | 63075   | 2.68%   | 0.317%  |
| 313 | 14.602 | 14.574 | 14.634 | VV | 261    | 5668    | 0.24%   | 0.029%  |
| 314 | 14.660 | 14.634 | 14.678 | VV | 1218   | 16044   | 0.68%   | 0.081%  |
| 315 | 14.693 | 14.678 | 14.716 | VV | 818    | 13246   | 0.56%   | 0.067%  |
| 316 | 14.764 | 14.716 | 14.796 | VV | 918    | 30788   | 1.31%   | 0.155%  |
| 317 | 14.813 | 14.796 | 14.842 | VV | 595    | 9237    | 0.39%   | 0.046%  |
| 318 | 14.897 | 14.842 | 14.959 | VV | 842    | 24942   | 1.06%   | 0.125%  |
| 319 | 15.000 | 14.959 | 15.139 | VV | 171209 | 2354084 | 100.00% | 11.838% |
| 320 | 15.166 | 15.139 | 15.191 | VV | 1982   | 31609   | 1.34%   | 0.159%  |
| 321 | 15.203 | 15.191 | 15.221 | VV | 1124   | 13848   | 0.59%   | 0.070%  |
| 322 | 15.245 | 15.221 | 15.314 | VV | 6850   | 99345   | 4.22%   | 0.500%  |
| 323 | 15.357 | 15.314 | 15.379 | PV | 585    | 8395    | 0.36%   | 0.042%  |
| 324 | 15.397 | 15.379 | 15.446 | VV | 533    | 12232   | 0.52%   | 0.062%  |
| 325 | 15.472 | 15.446 | 15.501 | VV | 839    | 11180   | 0.47%   | 0.056%  |
| 326 | 15.537 | 15.501 | 15.552 | VV | 137    | 2720    | 0.12%   | 0.014%  |
| 327 | 15.588 | 15.552 | 15.661 | VV | 55724  | 1055441 | 44.83%  | 5.308%  |
| 328 | 15.681 | 15.661 | 15.704 | VV | 2543   | 41864   | 1.78%   | 0.211%  |
| 329 | 15.725 | 15.704 | 15.762 | VV | 2314   | 43769   | 1.86%   | 0.220%  |
| 330 | 15.790 | 15.762 | 15.817 | VV | 969    | 18299   | 0.78%   | 0.092%  |
| 331 | 15.856 | 15.817 | 15.887 | VV | 825    | 16738   | 0.71%   | 0.084%  |
| 332 | 15.894 | 15.887 | 15.926 | VV | 301    | 3973    | 0.17%   | 0.020%  |
| 333 | 16.027 | 15.926 | 16.059 | VV | 580    | 21719   | 0.92%   | 0.109%  |
| 334 | 16.079 | 16.059 | 16.091 | VV | 378    | 6562    | 0.28%   | 0.033%  |
| 335 | 16.116 | 16.091 | 16.171 | VV | 1854   | 41751   | 1.77%   | 0.210%  |
| 336 | 16.193 | 16.171 | 16.204 | VV | 315    | 5092    | 0.22%   | 0.026%  |
| 337 | 16.228 | 16.204 | 16.272 | VV | 1652   | 29189   | 1.24%   | 0.147%  |
| 338 | 16.291 | 16.272 | 16.336 | VV | 1119   | 17240   | 0.73%   | 0.087%  |
| 339 | 16.363 | 16.336 | 16.385 | VV | 161    | 3174    | 0.13%   | 0.016%  |
| 340 | 16.437 | 16.385 | 16.476 | PV | 320    | 10706   | 0.45%   | 0.054%  |
| 341 | 16.525 | 16.476 | 16.536 | VV | 538    | 11384   | 0.48%   | 0.057%  |
| 342 | 16.541 | 16.536 | 16.549 | VV | 2310   | 5937    | 0.25%   | 0.030%  |
| 343 | 16.610 | 16.549 | 16.662 | VV | 9549   | 197849  | 8.40%   | 0.995%  |
| 344 | 16.711 | 16.662 | 16.740 | VV | 3815   | 78692   | 3.34%   | 0.396%  |
| 345 | 16.792 | 16.740 | 16.835 | VV | 1736   | 39492   | 1.68%   | 0.199%  |
| 346 | 16.855 | 16.835 | 16.886 | VV | 444    | 8765    | 0.37%   | 0.044%  |
| 347 | 16.907 | 16.886 | 16.931 | VV | 547    | 8704    | 0.37%   | 0.044%  |
| 348 | 16.998 | 16.931 | 17.024 | VV | 939    | 31284   | 1.33%   | 0.157%  |
| 349 | 17.030 | 17.024 | 17.046 | VV | 695    | 8311    | 0.35%   | 0.042%  |
| 350 | 17.093 | 17.046 | 17.128 | VV | 1320   | 43808   | 1.86%   | 0.220%  |
| 351 | 17.179 | 17.128 | 17.199 | VV | 2383   | 47606   | 2.02%   | 0.239%  |

| rteres |        |        |        |    |       |        |        |        |
|--------|--------|--------|--------|----|-------|--------|--------|--------|
| 352    | 17.226 | 17.199 | 17.288 | VV | 10338 | 164758 | 7.00%  | 0.829% |
| 353    | 17.307 | 17.288 | 17.330 | PV | 304   | 4328   | 0.18%  | 0.022% |
| 354    | 17.419 | 17.330 | 17.440 | VV | 405   | 12399  | 0.53%  | 0.062% |
| 355    | 17.512 | 17.440 | 17.529 | VV | 1466  | 32220  | 1.37%  | 0.162% |
| 356    | 17.556 | 17.529 | 17.601 | VV | 5763  | 130479 | 5.54%  | 0.656% |
| 357    | 17.630 | 17.601 | 17.672 | VV | 7060  | 119945 | 5.10%  | 0.603% |
| 358    | 17.690 | 17.672 | 17.701 | VV | 916   | 11762  | 0.50%  | 0.059% |
| 359    | 17.713 | 17.701 | 17.732 | VV | 772   | 11465  | 0.49%  | 0.058% |
| 360    | 17.739 | 17.732 | 17.802 | VV | 409   | 9982   | 0.42%  | 0.050% |
| 361    | 17.810 | 17.802 | 17.821 | VV | 163   | 1257   | 0.05%  | 0.006% |
| 362    | 17.867 | 17.821 | 17.882 | PV | 637   | 13610  | 0.58%  | 0.068% |
| 363    | 17.911 | 17.882 | 17.923 | VV | 615   | 12935  | 0.55%  | 0.065% |
| 364    | 17.958 | 17.923 | 17.981 | VV | 1004  | 26312  | 1.12%  | 0.132% |
| 365    | 18.024 | 17.981 | 18.042 | VV | 2336  | 55877  | 2.37%  | 0.281% |
| 366    | 18.068 | 18.042 | 18.099 | VV | 3348  | 56115  | 2.38%  | 0.282% |
| 367    | 18.160 | 18.099 | 18.226 | VV | 2209  | 51662  | 2.19%  | 0.260% |
| 368    | 18.291 | 18.226 | 18.326 | PV | 1673  | 39644  | 1.68%  | 0.199% |
| 369    | 18.389 | 18.326 | 18.397 | VV | 1372  | 31572  | 1.34%  | 0.159% |
| 370    | 18.431 | 18.397 | 18.476 | VV | 38969 | 774548 | 32.90% | 3.895% |
| 371    | 18.495 | 18.476 | 18.534 | VV | 10123 | 175381 | 7.45%  | 0.882% |
| 372    | 18.555 | 18.534 | 18.564 | VV | 1002  | 14200  | 0.60%  | 0.071% |
| 373    | 18.615 | 18.564 | 18.671 | VV | 7061  | 142064 | 6.03%  | 0.714% |
| 374    | 18.698 | 18.671 | 18.734 | VV | 1097  | 24712  | 1.05%  | 0.124% |
| 375    | 18.795 | 18.734 | 18.831 | VV | 3596  | 78274  | 3.33%  | 0.394% |
| 376    | 18.899 | 18.831 | 18.952 | VV | 7412  | 199558 | 8.48%  | 1.004% |
| 377    | 19.016 | 18.952 | 19.084 | VV | 3645  | 165862 | 7.05%  | 0.834% |
| 378    | 19.106 | 19.084 | 19.126 | VV | 1174  | 21126  | 0.90%  | 0.106% |
| 379    | 19.134 | 19.126 | 19.142 | VV | 639   | 5633   | 0.24%  | 0.028% |
| 380    | 19.173 | 19.142 | 19.197 | VV | 3628  | 60935  | 2.59%  | 0.306% |
| 381    | 19.261 | 19.197 | 19.289 | VV | 27353 | 563970 | 23.96% | 2.836% |
| 382    | 19.304 | 19.289 | 19.354 | VV | 12657 | 306248 | 13.01% | 1.540% |
| 383    | 19.424 | 19.354 | 19.449 | VV | 6645  | 214676 | 9.12%  | 1.080% |
| 384    | 19.469 | 19.449 | 19.481 | VV | 3334  | 59548  | 2.53%  | 0.299% |
| 385    | 19.496 | 19.481 | 19.510 | VV | 3967  | 63025  | 2.68%  | 0.317% |
| 386    | 19.543 | 19.510 | 19.576 | VV | 12006 | 278477 | 11.83% | 1.400% |
| 387    | 19.595 | 19.576 | 19.617 | VV | 4933  | 94062  | 4.00%  | 0.473% |
| 388    | 19.650 | 19.617 | 19.672 | VV | 4261  | 121538 | 5.16%  | 0.611% |
| 389    | 19.689 | 19.672 | 19.709 | VV | 5842  | 110097 | 4.68%  | 0.554% |
| 390    | 19.724 | 19.709 | 19.734 | VV | 5337  | 76270  | 3.24%  | 0.384% |
| 391    | 19.766 | 19.734 | 19.779 | VV | 6738  | 163355 | 6.94%  | 0.821% |
| 392    | 19.789 | 19.779 | 19.820 | VV | 6487  | 129842 | 5.52%  | 0.653% |
| 393    | 19.850 | 19.820 | 19.882 | VV | 4545  | 147439 | 6.26%  | 0.741% |
| 394    | 19.902 | 19.882 | 19.924 | VV | 3635  | 85694  | 3.64%  | 0.431% |
| 395    | 19.971 | 19.924 | 20.007 | VV | 4789  | 189686 | 8.06%  | 0.954% |
| 396    | 20.044 | 20.007 | 20.074 | VV | 9725  | 276680 | 11.75% | 1.391% |
| 397    | 20.091 | 20.074 | 20.126 | VV | 7305  | 172731 | 7.34%  | 0.869% |
| 398    | 20.165 | 20.126 | 20.224 | VV | 5156  | 239211 | 10.16% | 1.203% |
| 399    | 20.262 | 20.224 | 20.284 | VV | 5090  | 160851 | 6.83%  | 0.809% |
| 400    | 20.306 | 20.284 | 20.349 | VV | 5022  | 177234 | 7.53%  | 0.891% |
| 401    | 20.434 | 20.349 | 20.502 | VV | 6672  | 492527 | 20.92% | 2.477% |
| 402    | 20.538 | 20.502 | 20.567 | VV | 6357  | 226378 | 9.62%  | 1.138% |
| 403    | 20.587 | 20.567 | 20.612 | VV | 7031  | 171651 | 7.29%  | 0.863% |
| 404    | 20.621 | 20.612 | 20.627 | VV | 6123  | 54876  | 2.33%  | 0.276% |

|                         |        |        |        |    | rteres   |        |        |        |
|-------------------------|--------|--------|--------|----|----------|--------|--------|--------|
| 405                     | 20.657 | 20.627 | 20.672 | VV | 7022     | 173556 | 7.37%  | 0.873% |
| 406                     | 20.707 | 20.672 | 20.717 | VV | 6994     | 181324 | 7.70%  | 0.912% |
| 407                     | 20.810 | 20.717 | 20.866 | VV | 23111    | 987257 | 41.94% | 4.965% |
| 408                     | 20.889 | 20.866 | 20.929 | VV | 8928     | 305730 | 12.99% | 1.537% |
| 409                     | 20.972 | 20.929 | 20.991 | VV | 7744     | 268457 | 11.40% | 1.350% |
| 410                     | 21.025 | 20.991 | 21.071 | VV | 7759     | 348701 | 14.81% | 1.754% |
| 411                     | 21.080 | 21.071 | 21.127 | VV | 6822     | 217898 | 9.26%  | 1.096% |
| 412                     | 21.168 | 21.127 | 21.239 | VV | 6804     | 409752 | 17.41% | 2.061% |
| 413                     | 21.249 | 21.239 | 21.262 | VV | 5293     | 73514  | 3.12%  | 0.370% |
| 414                     | 21.286 | 21.262 | 21.301 | VV | 5330     | 119232 | 5.06%  | 0.600% |
| 415                     | 21.307 | 21.301 | 21.352 | VV | 5328     | 152663 | 6.49%  | 0.768% |
| 416                     | 21.363 | 21.352 | 21.373 | VV | 4845     | 59950  | 2.55%  | 0.301% |
| 417                     | 21.384 | 21.373 | 21.451 | VV | 4898     | 214394 | 9.11%  | 1.078% |
| 418                     | 21.471 | 21.451 | 21.536 | VV | 4379     | 205625 | 8.73%  | 1.034% |
| 419                     | 21.611 | 21.536 | 21.712 | VV | 4022     | 368990 | 15.67% | 1.856% |
| 420                     | 21.725 | 21.712 | 21.802 | VV | 2904     | 131389 | 5.58%  | 0.661% |
| 421                     | 21.836 | 21.802 | 21.877 | VV | 2099     | 82824  | 3.52%  | 0.417% |
| 422                     | 21.923 | 21.877 | 21.984 | VV | 1847     | 90369  | 3.84%  | 0.454% |
| 423                     | 21.992 | 21.984 | 22.002 | VV | 980      | 9262   | 0.39%  | 0.047% |
| 424                     | 22.035 | 22.002 | 22.042 | VV | 829      | 17828  | 0.76%  | 0.090% |
| 425                     | 22.079 | 22.042 | 22.162 | VV | 922      | 41981  | 1.78%  | 0.211% |
| 426                     | 22.170 | 22.162 | 22.192 | VV | 307      | 2350   | 0.10%  | 0.012% |
| Sum of corrected areas: |        |        |        |    | 19885113 |        |        |        |

FG042425.M Wed Apr 30 02:09:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015769.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 16:19  
Operator : YP\AJ  
Sample : Q1901-05  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB02

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 14.999 | 1416637  | 12.032 ug/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

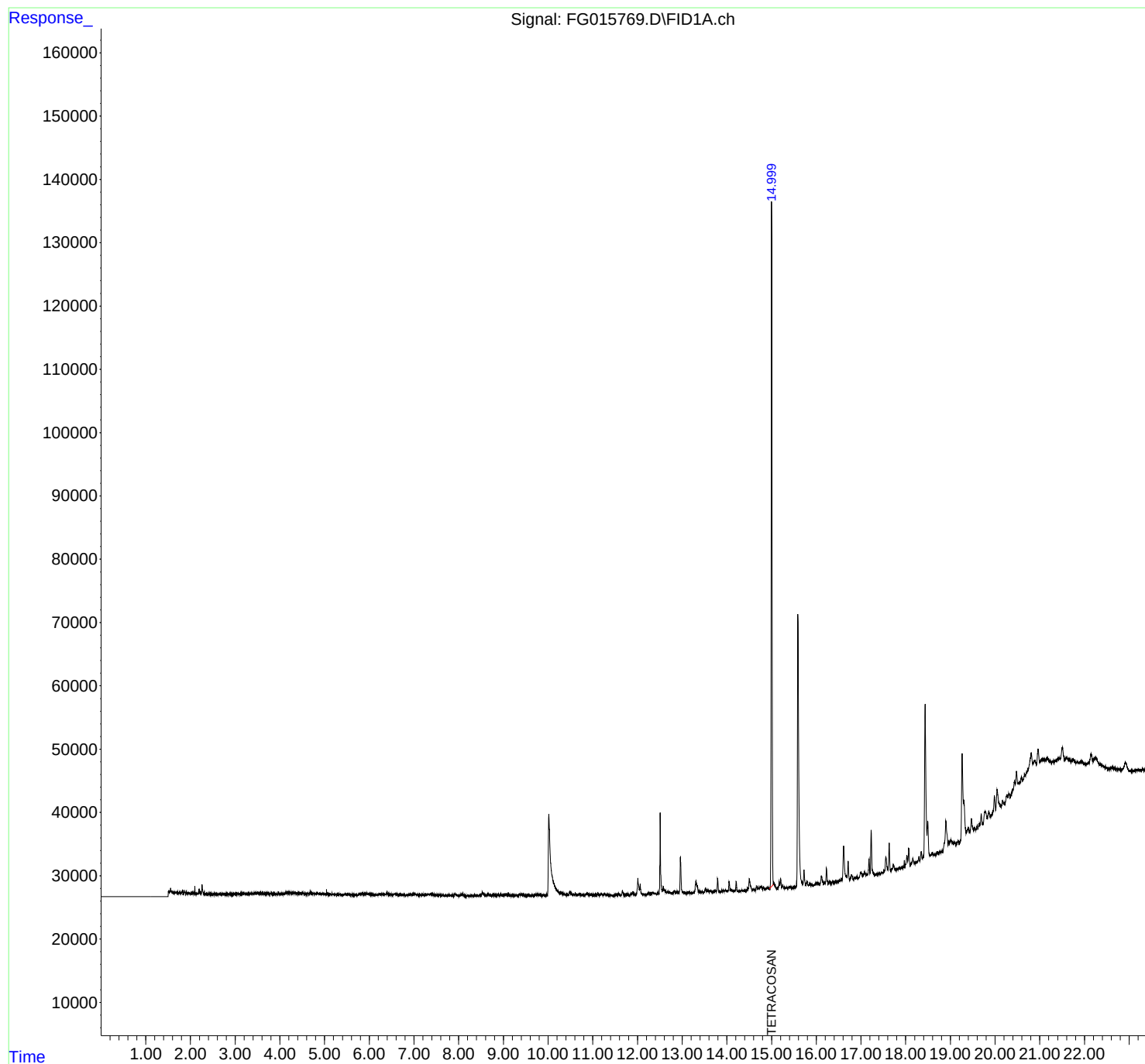
(m)=manual int.

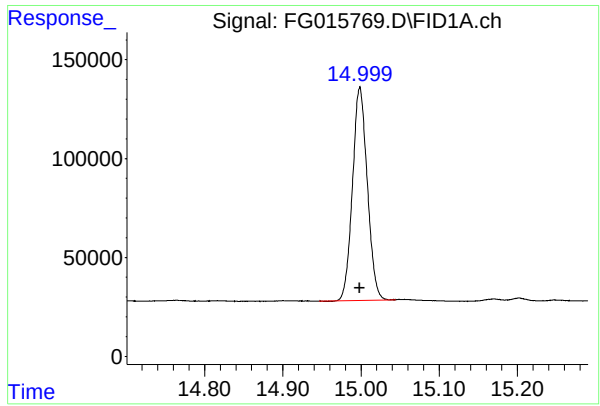
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015769.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 16:19  
Operator : YP\AJ  
Sample : Q1901-05  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB02

Integration File: autoint1.e  
Quant Time: Apr 30 01:19:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

Sample Results: **FG015769.D**

R.T.: 14.999 min  
Delta R.T.: 0.000 min  
Response: 1416637  
Conc: 12.03 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
B-170-SB02

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015769.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 16:19  
 Sample : Q1901-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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         | 1.914       | 1.900        | 1.925      | BV       | 87             | 723          | 0.05%          | 0.006%        |
| 2         | 1.947       | 1.925        | 1.952      | PV       | 144            | 1125         | 0.08%          | 0.009%        |
| 3         | 1.958       | 1.952        | 1.984      | PV       | 171            | 1774         | 0.12%          | 0.015%        |
| 4         | 1.987       | 1.984        | 2.013      | VV       | 127            | 1392         | 0.10%          | 0.012%        |
| 5         | 2.020       | 2.013        | 2.025      | VV       | 93             | 335          | 0.02%          | 0.003%        |
| 6         | 2.046       | 2.025        | 2.077      | VV       | 172            | 3412         | 0.24%          | 0.029%        |
| 7         | 2.085       | 2.077        | 2.094      | VV       | 123            | 860          | 0.06%          | 0.007%        |
| 8         | 2.095       | 2.094        | 2.120      | VV       | 1107           | 2081         | 0.14%          | 0.018%        |
| 9         | 2.125       | 2.120        | 2.137      | VV       | 181            | 939          | 0.07%          | 0.008%        |
| 10        | 2.142       | 2.137        | 2.152      | VV       | 174            | 643          | 0.04%          | 0.005%        |
| 11        | 2.156       | 2.152        | 2.161      | VV       | 70             | 224          | 0.02%          | 0.002%        |
| 12        | 2.189       | 2.161        | 2.224      | PV       | 732            | 11265        | 0.78%          | 0.095%        |
| 13        | 2.226       | 2.224        | 2.243      | VV       | 424            | 1963         | 0.14%          | 0.017%        |
| 14        | 2.259       | 2.243        | 2.287      | VV       | 1457           | 18126        | 1.26%          | 0.153%        |
| 15        | 2.300       | 2.287        | 2.321      | VV       | 325            | 4186         | 0.29%          | 0.035%        |
| 16        | 2.326       | 2.321        | 2.338      | VV       | 138            | 865          | 0.06%          | 0.007%        |
| 17        | 2.343       | 2.338        | 2.350      | VV       | 108            | 455          | 0.03%          | 0.004%        |
| 18        | 2.357       | 2.350        | 2.384      | VV       | 113            | 1620         | 0.11%          | 0.014%        |
| 19        | 2.389       | 2.384        | 2.397      | VV       | 98             | 453          | 0.03%          | 0.004%        |
| 20        | 2.412       | 2.397        | 2.421      | PV       | 115            | 1086         | 0.08%          | 0.009%        |
| 21        | 2.434       | 2.421        | 2.444      | VV       | 177            | 1335         | 0.09%          | 0.011%        |
| 22        | 2.452       | 2.444        | 2.466      | VV       | 173            | 1218         | 0.08%          | 0.010%        |
| 23        | 2.468       | 2.466        | 2.473      | VV       | 140            | 287          | 0.02%          | 0.002%        |
| 24        | 2.488       | 2.473        | 2.494      | VV       | 156            | 1025         | 0.07%          | 0.009%        |
| 25        | 2.497       | 2.494        | 2.504      | VV       | 145            | 611          | 0.04%          | 0.005%        |
| 26        | 2.512       | 2.504        | 2.517      | VV       | 152            | 750          | 0.05%          | 0.006%        |
| 27        | 2.525       | 2.517        | 2.565      | VV       | 181            | 2912         | 0.20%          | 0.025%        |
| 28        | 2.582       | 2.565        | 2.593      | PV       | 152            | 1333         | 0.09%          | 0.011%        |
| 29        | 2.602       | 2.593        | 2.608      | VV       | 145            | 881          | 0.06%          | 0.007%        |
| 30        | 2.611       | 2.608        | 2.634      | VV       | 130            | 1533         | 0.11%          | 0.013%        |
| 31        | 2.643       | 2.634        | 2.657      | VV       | 148            | 1256         | 0.09%          | 0.011%        |
| 32        | 2.661       | 2.657        | 2.692      | VV       | 166            | 1772         | 0.12%          | 0.015%        |
| 33        | 2.715       | 2.692        | 2.720      | VV       | 162            | 1311         | 0.09%          | 0.011%        |
| 34        | 2.730       | 2.720        | 2.748      | VV       | 153            | 1425         | 0.10%          | 0.012%        |
| 35        | 2.753       | 2.748        | 2.761      | VV       | 148            | 733          | 0.05%          | 0.006%        |
| 36        | 2.767       | 2.761        | 2.784      | VV       | 131            | 1380         | 0.10%          | 0.012%        |

|    |       |       |       |    | rt  | ret  | area  | %area  |
|----|-------|-------|-------|----|-----|------|-------|--------|
| 37 | 2.787 | 2.784 | 2.796 | VV | 151 | 631  | 0.04% | 0.005% |
| 38 | 2.799 | 2.796 | 2.812 | VV | 185 | 847  | 0.06% | 0.007% |
| 39 | 2.820 | 2.812 | 2.827 | VV | 135 | 954  | 0.07% | 0.008% |
| 40 | 2.833 | 2.827 | 2.839 | VV | 139 | 717  | 0.05% | 0.006% |
| 41 | 2.853 | 2.839 | 2.862 | VV | 135 | 1225 | 0.08% | 0.010% |
| 42 | 2.879 | 2.862 | 2.884 | VV | 153 | 1032 | 0.07% | 0.009% |
| 43 | 2.891 | 2.884 | 2.905 | VV | 129 | 1000 | 0.07% | 0.008% |
| 44 | 2.919 | 2.905 | 2.942 | VV | 163 | 2058 | 0.14% | 0.017% |
| 45 | 2.946 | 2.942 | 2.959 | VV | 92  | 792  | 0.05% | 0.007% |
| 46 | 2.967 | 2.959 | 2.973 | VV | 149 | 957  | 0.07% | 0.008% |
| 47 | 2.975 | 2.973 | 2.988 | VV | 156 | 938  | 0.07% | 0.008% |
| 48 | 2.993 | 2.988 | 3.013 | VV | 155 | 1225 | 0.08% | 0.010% |
| 49 | 3.017 | 3.013 | 3.020 | VV | 116 | 435  | 0.03% | 0.004% |
| 50 | 3.033 | 3.020 | 3.044 | VV | 234 | 2028 | 0.14% | 0.017% |
| 51 | 3.047 | 3.044 | 3.051 | VV | 160 | 579  | 0.04% | 0.005% |
| 52 | 3.059 | 3.051 | 3.080 | VV | 179 | 2599 | 0.18% | 0.022% |
| 53 | 3.085 | 3.080 | 3.091 | VV | 167 | 946  | 0.07% | 0.008% |
| 54 | 3.099 | 3.091 | 3.114 | VV | 177 | 1933 | 0.13% | 0.016% |
| 55 | 3.117 | 3.114 | 3.124 | VV | 163 | 797  | 0.06% | 0.007% |
| 56 | 3.126 | 3.124 | 3.131 | VV | 227 | 639  | 0.04% | 0.005% |
| 57 | 3.140 | 3.131 | 3.147 | VV | 235 | 1453 | 0.10% | 0.012% |
| 58 | 3.154 | 3.147 | 3.170 | VV | 136 | 1909 | 0.13% | 0.016% |
| 59 | 3.188 | 3.170 | 3.206 | VV | 197 | 3515 | 0.24% | 0.030% |
| 60 | 3.207 | 3.206 | 3.212 | VV | 185 | 538  | 0.04% | 0.005% |
| 61 | 3.218 | 3.212 | 3.230 | VV | 174 | 1456 | 0.10% | 0.012% |
| 62 | 3.234 | 3.230 | 3.244 | VV | 170 | 1178 | 0.08% | 0.010% |
| 63 | 3.252 | 3.244 | 3.280 | VV | 213 | 3264 | 0.23% | 0.027% |
| 64 | 3.288 | 3.280 | 3.313 | VV | 168 | 2594 | 0.18% | 0.022% |
| 65 | 3.314 | 3.313 | 3.321 | VV | 199 | 649  | 0.05% | 0.005% |
| 66 | 3.330 | 3.321 | 3.340 | VV | 266 | 1831 | 0.13% | 0.015% |
| 67 | 3.351 | 3.340 | 3.357 | VV | 243 | 1663 | 0.12% | 0.014% |
| 68 | 3.362 | 3.357 | 3.371 | VV | 156 | 1110 | 0.08% | 0.009% |
| 69 | 3.377 | 3.371 | 3.391 | VV | 168 | 1649 | 0.11% | 0.014% |
| 70 | 3.399 | 3.391 | 3.413 | VV | 194 | 1781 | 0.12% | 0.015% |
| 71 | 3.424 | 3.413 | 3.435 | VV | 192 | 1940 | 0.13% | 0.016% |
| 72 | 3.447 | 3.435 | 3.453 | VV | 171 | 1511 | 0.10% | 0.013% |
| 73 | 3.469 | 3.453 | 3.475 | VV | 232 | 2267 | 0.16% | 0.019% |
| 74 | 3.482 | 3.475 | 3.495 | VV | 220 | 1925 | 0.13% | 0.016% |
| 75 | 3.504 | 3.495 | 3.517 | VV | 249 | 2164 | 0.15% | 0.018% |
| 76 | 3.523 | 3.517 | 3.528 | VV | 183 | 939  | 0.07% | 0.008% |
| 77 | 3.551 | 3.528 | 3.583 | VV | 241 | 6157 | 0.43% | 0.052% |
| 78 | 3.588 | 3.583 | 3.596 | VV | 253 | 1296 | 0.09% | 0.011% |
| 79 | 3.602 | 3.596 | 3.614 | VV | 208 | 1839 | 0.13% | 0.015% |
| 80 | 3.618 | 3.614 | 3.623 | VV | 201 | 807  | 0.06% | 0.007% |
| 81 | 3.627 | 3.623 | 3.667 | VV | 234 | 4170 | 0.29% | 0.035% |
| 82 | 3.668 | 3.667 | 3.683 | VV | 206 | 1407 | 0.10% | 0.012% |
| 83 | 3.687 | 3.683 | 3.705 | VV | 166 | 1577 | 0.11% | 0.013% |
| 84 | 3.715 | 3.705 | 3.741 | VV | 187 | 2498 | 0.17% | 0.021% |
| 85 | 3.765 | 3.741 | 3.776 | VV | 162 | 2105 | 0.15% | 0.018% |
| 86 | 3.780 | 3.776 | 3.787 | PV | 67  | 336  | 0.02% | 0.003% |
| 87 | 3.791 | 3.787 | 3.798 | VV | 112 | 737  | 0.05% | 0.006% |
| 88 | 3.808 | 3.798 | 3.831 | VV | 133 | 1743 | 0.12% | 0.015% |
| 89 | 3.835 | 3.831 | 3.842 | VV | 75  | 260  | 0.02% | 0.002% |



|     |       |       |       |    |     |       |       |        |
|-----|-------|-------|-------|----|-----|-------|-------|--------|
| 90  | 3.869 | 3.842 | 3.877 | PV | 395 | 1282  | 0.09% | 0.011% |
| 91  | 3.881 | 3.877 | 3.906 | VB | 135 | 1028  | 0.07% | 0.009% |
| 92  | 3.923 | 3.910 | 3.927 | BV | 90  | 595   | 0.04% | 0.005% |
| 93  | 3.932 | 3.927 | 3.940 | PV | 95  | 463   | 0.03% | 0.004% |
| 94  | 3.964 | 3.940 | 3.979 | VV | 425 | 2464  | 0.17% | 0.021% |
| 95  | 3.981 | 3.979 | 4.004 | VV | 137 | 1445  | 0.10% | 0.012% |
| 96  | 4.008 | 4.004 | 4.020 | VV | 122 | 915   | 0.06% | 0.008% |
| 97  | 4.024 | 4.020 | 4.034 | VV | 176 | 992   | 0.07% | 0.008% |
| 98  | 4.042 | 4.034 | 4.053 | VV | 178 | 1044  | 0.07% | 0.009% |
| 99  | 4.056 | 4.053 | 4.071 | VV | 148 | 1056  | 0.07% | 0.009% |
| 100 | 4.073 | 4.071 | 4.089 | VV | 110 | 767   | 0.05% | 0.006% |
| 101 | 4.121 | 4.089 | 4.140 | VV | 322 | 5872  | 0.41% | 0.049% |
| 102 | 4.152 | 4.140 | 4.164 | VV | 379 | 4380  | 0.30% | 0.037% |
| 103 | 4.178 | 4.164 | 4.213 | VV | 369 | 8666  | 0.60% | 0.073% |
| 104 | 4.222 | 4.213 | 4.226 | VV | 369 | 2153  | 0.15% | 0.018% |
| 105 | 4.237 | 4.226 | 4.245 | VV | 348 | 3141  | 0.22% | 0.026% |
| 106 | 4.257 | 4.245 | 4.267 | VV | 354 | 3809  | 0.26% | 0.032% |
| 107 | 4.274 | 4.267 | 4.308 | VV | 324 | 6501  | 0.45% | 0.055% |
| 108 | 4.338 | 4.308 | 4.374 | VV | 361 | 10108 | 0.70% | 0.085% |
| 109 | 4.377 | 4.374 | 4.383 | VV | 214 | 1141  | 0.08% | 0.010% |
| 110 | 4.392 | 4.383 | 4.405 | VV | 315 | 2907  | 0.20% | 0.024% |
| 111 | 4.409 | 4.405 | 4.443 | VV | 270 | 4384  | 0.30% | 0.037% |
| 112 | 4.446 | 4.443 | 4.462 | VV | 278 | 2406  | 0.17% | 0.020% |
| 113 | 4.465 | 4.462 | 4.493 | VV | 202 | 3489  | 0.24% | 0.029% |
| 114 | 4.506 | 4.493 | 4.510 | VV | 353 | 2872  | 0.20% | 0.024% |
| 115 | 4.514 | 4.510 | 4.530 | VV | 338 | 3004  | 0.21% | 0.025% |
| 116 | 4.533 | 4.530 | 4.542 | VV | 224 | 1424  | 0.10% | 0.012% |
| 117 | 4.549 | 4.542 | 4.566 | VV | 230 | 2804  | 0.19% | 0.024% |
| 118 | 4.574 | 4.566 | 4.593 | VV | 260 | 2652  | 0.18% | 0.022% |
| 119 | 4.597 | 4.593 | 4.604 | VV | 169 | 928   | 0.06% | 0.008% |
| 120 | 4.608 | 4.604 | 4.612 | VV | 176 | 647   | 0.04% | 0.005% |
| 121 | 4.625 | 4.612 | 4.656 | VV | 260 | 5062  | 0.35% | 0.043% |
| 122 | 4.679 | 4.656 | 4.710 | VV | 451 | 9351  | 0.65% | 0.079% |
| 123 | 4.713 | 4.710 | 4.719 | VV | 233 | 1060  | 0.07% | 0.009% |
| 124 | 4.724 | 4.719 | 4.731 | VV | 241 | 1522  | 0.11% | 0.013% |
| 125 | 4.741 | 4.731 | 4.759 | VV | 226 | 3282  | 0.23% | 0.028% |
| 126 | 4.768 | 4.759 | 4.792 | VV | 301 | 4286  | 0.30% | 0.036% |
| 127 | 4.798 | 4.792 | 4.805 | VV | 202 | 1371  | 0.09% | 0.012% |
| 128 | 4.813 | 4.805 | 4.828 | VV | 210 | 2609  | 0.18% | 0.022% |
| 129 | 4.840 | 4.828 | 4.847 | VV | 237 | 2356  | 0.16% | 0.020% |
| 130 | 4.851 | 4.847 | 4.872 | VV | 226 | 2866  | 0.20% | 0.024% |
| 131 | 4.874 | 4.872 | 4.893 | VV | 202 | 2008  | 0.14% | 0.017% |
| 132 | 4.907 | 4.893 | 4.912 | VV | 233 | 1867  | 0.13% | 0.016% |
| 133 | 4.917 | 4.912 | 4.934 | VV | 203 | 2379  | 0.16% | 0.020% |
| 134 | 4.939 | 4.934 | 4.961 | VV | 221 | 3073  | 0.21% | 0.026% |
| 135 | 4.965 | 4.961 | 4.972 | VV | 183 | 1201  | 0.08% | 0.010% |
| 136 | 4.974 | 4.972 | 4.993 | VV | 206 | 2100  | 0.15% | 0.018% |
| 137 | 4.996 | 4.993 | 5.006 | VV | 163 | 1342  | 0.09% | 0.011% |
| 138 | 5.010 | 5.006 | 5.031 | VV | 183 | 2524  | 0.17% | 0.021% |
| 139 | 5.042 | 5.031 | 5.053 | VV | 739 | 2731  | 0.19% | 0.023% |
| 140 | 5.059 | 5.053 | 5.065 | VV | 214 | 966   | 0.07% | 0.008% |
| 141 | 5.071 | 5.065 | 5.075 | VV | 170 | 660   | 0.05% | 0.006% |

|     |       |       |       |    | rteres |       |       |        |
|-----|-------|-------|-------|----|--------|-------|-------|--------|
| 142 | 5.085 | 5.075 | 5.102 | VV | 182    | 2118  | 0.15% | 0.018% |
| 143 | 5.110 | 5.102 | 5.118 | VV | 195    | 1369  | 0.09% | 0.012% |
| 144 | 5.129 | 5.118 | 5.151 | VV | 157    | 2333  | 0.16% | 0.020% |
| 145 | 5.167 | 5.151 | 5.185 | VV | 250    | 3320  | 0.23% | 0.028% |
| 146 | 5.188 | 5.185 | 5.197 | VV | 188    | 890   | 0.06% | 0.007% |
| 147 | 5.200 | 5.197 | 5.212 | VV | 165    | 957   | 0.07% | 0.008% |
| 148 | 5.219 | 5.212 | 5.234 | VV | 178    | 1507  | 0.10% | 0.013% |
| 149 | 5.241 | 5.234 | 5.262 | VV | 133    | 1451  | 0.10% | 0.012% |
| 150 | 5.266 | 5.262 | 5.282 | VV | 96     | 853   | 0.06% | 0.007% |
| 151 | 5.295 | 5.282 | 5.319 | VV | 135    | 1598  | 0.11% | 0.013% |
| 152 | 5.322 | 5.319 | 5.349 | VV | 161    | 1350  | 0.09% | 0.011% |
| 153 | 5.353 | 5.349 | 5.375 | VV | 128    | 1127  | 0.08% | 0.009% |
| 154 | 5.406 | 5.375 | 5.419 | VV | 143    | 2156  | 0.15% | 0.018% |
| 155 | 5.423 | 5.419 | 5.445 | VV | 112    | 1340  | 0.09% | 0.011% |
| 156 | 5.451 | 5.445 | 5.467 | VV | 167    | 1326  | 0.09% | 0.011% |
| 157 | 5.478 | 5.467 | 5.491 | VV | 181    | 2048  | 0.14% | 0.017% |
| 158 | 5.495 | 5.491 | 5.504 | VV | 166    | 1264  | 0.09% | 0.011% |
| 159 | 5.510 | 5.504 | 5.529 | VV | 208    | 2099  | 0.15% | 0.018% |
| 160 | 5.531 | 5.529 | 5.548 | VV | 162    | 1465  | 0.10% | 0.012% |
| 161 | 5.552 | 5.548 | 5.565 | VV | 182    | 1242  | 0.09% | 0.010% |
| 162 | 5.581 | 5.565 | 5.597 | VV | 160    | 2066  | 0.14% | 0.017% |
| 163 | 5.605 | 5.597 | 5.634 | VV | 114    | 1569  | 0.11% | 0.013% |
| 164 | 5.645 | 5.634 | 5.654 | VV | 89     | 870   | 0.06% | 0.007% |
| 165 | 5.658 | 5.654 | 5.662 | VV | 142    | 402   | 0.03% | 0.003% |
| 166 | 5.670 | 5.662 | 5.690 | VV | 133    | 1485  | 0.10% | 0.013% |
| 167 | 5.694 | 5.690 | 5.698 | VV | 80     | 353   | 0.02% | 0.003% |
| 168 | 5.703 | 5.698 | 5.709 | VV | 117    | 530   | 0.04% | 0.004% |
| 169 | 5.713 | 5.709 | 5.721 | VV | 96     | 338   | 0.02% | 0.003% |
| 170 | 5.727 | 5.721 | 5.733 | VV | 103    | 328   | 0.02% | 0.003% |
| 171 | 5.740 | 5.733 | 5.745 | PV | 80     | 415   | 0.03% | 0.003% |
| 172 | 5.751 | 5.745 | 5.762 | VV | 105    | 777   | 0.05% | 0.007% |
| 173 | 5.768 | 5.762 | 5.772 | VV | 147    | 736   | 0.05% | 0.006% |
| 174 | 5.782 | 5.772 | 5.787 | VV | 392    | 1541  | 0.11% | 0.013% |
| 175 | 5.793 | 5.787 | 5.802 | VV | 251    | 1698  | 0.12% | 0.014% |
| 176 | 5.819 | 5.802 | 5.830 | VV | 246    | 3660  | 0.25% | 0.031% |
| 177 | 5.840 | 5.830 | 5.844 | VV | 302    | 2032  | 0.14% | 0.017% |
| 178 | 5.849 | 5.844 | 5.856 | VV | 290    | 1773  | 0.12% | 0.015% |
| 179 | 5.864 | 5.856 | 5.874 | VV | 232    | 2328  | 0.16% | 0.020% |
| 180 | 5.925 | 5.874 | 5.945 | VV | 340    | 10763 | 0.75% | 0.091% |
| 181 | 5.952 | 5.945 | 5.991 | VV | 262    | 5495  | 0.38% | 0.046% |
| 182 | 6.003 | 5.991 | 6.029 | VV | 232    | 4315  | 0.30% | 0.036% |
| 183 | 6.032 | 6.029 | 6.079 | VV | 162    | 3827  | 0.27% | 0.032% |
| 184 | 6.085 | 6.079 | 6.106 | VV | 166    | 2074  | 0.14% | 0.017% |
| 185 | 6.114 | 6.106 | 6.126 | VV | 175    | 1683  | 0.12% | 0.014% |
| 186 | 6.132 | 6.126 | 6.178 | VV | 138    | 3090  | 0.21% | 0.026% |
| 187 | 6.186 | 6.178 | 6.206 | VV | 180    | 1860  | 0.13% | 0.016% |
| 188 | 6.221 | 6.206 | 6.239 | VV | 290    | 4157  | 0.29% | 0.035% |
| 189 | 6.251 | 6.239 | 6.260 | VV | 192    | 2130  | 0.15% | 0.018% |
| 190 | 6.267 | 6.260 | 6.302 | VV | 266    | 4894  | 0.34% | 0.041% |
| 191 | 6.334 | 6.302 | 6.351 | VV | 228    | 5537  | 0.38% | 0.047% |
| 192 | 6.398 | 6.351 | 6.444 | VV | 689    | 16478 | 1.14% | 0.139% |
| 193 | 6.451 | 6.444 | 6.483 | VV | 254    | 4348  | 0.30% | 0.037% |
| 194 | 6.489 | 6.483 | 6.534 | VV | 184    | 4367  | 0.30% | 0.037% |

|     |       |       |       |    |     |       |       |        |
|-----|-------|-------|-------|----|-----|-------|-------|--------|
| 195 | 6.570 | 6.534 | 6.624 | VV | 299 | 10441 | 0.72% | 0.088% |
| 196 | 6.629 | 6.624 | 6.674 | VV | 231 | 5179  | 0.36% | 0.044% |
| 197 | 6.688 | 6.674 | 6.733 | VV | 268 | 5887  | 0.41% | 0.050% |
| 198 | 6.757 | 6.733 | 6.865 | VV | 189 | 9465  | 0.66% | 0.080% |
| 199 | 6.876 | 6.865 | 6.889 | VV | 178 | 1921  | 0.13% | 0.016% |
| 200 | 6.914 | 6.889 | 6.922 | VV | 279 | 3573  | 0.25% | 0.030% |
| 201 | 6.934 | 6.922 | 6.953 | VV | 247 | 3310  | 0.23% | 0.028% |
| 202 | 6.972 | 6.953 | 7.009 | VV | 296 | 7516  | 0.52% | 0.063% |
| 203 | 7.018 | 7.009 | 7.064 | VV | 272 | 6371  | 0.44% | 0.054% |
| 204 | 7.071 | 7.064 | 7.124 | VV | 153 | 4283  | 0.30% | 0.036% |
| 205 | 7.143 | 7.124 | 7.194 | VV | 146 | 4985  | 0.35% | 0.042% |
| 206 | 7.201 | 7.194 | 7.242 | VV | 218 | 4521  | 0.31% | 0.038% |
| 207 | 7.272 | 7.242 | 7.281 | VV | 219 | 4379  | 0.30% | 0.037% |
| 208 | 7.306 | 7.281 | 7.368 | VV | 243 | 10751 | 0.75% | 0.090% |
| 209 | 7.405 | 7.368 | 7.452 | VV | 299 | 10517 | 0.73% | 0.089% |
| 210 | 7.466 | 7.452 | 7.501 | VV | 144 | 3900  | 0.27% | 0.033% |
| 211 | 7.508 | 7.501 | 7.531 | VV | 115 | 1901  | 0.13% | 0.016% |
| 212 | 7.537 | 7.531 | 7.561 | VV | 130 | 1671  | 0.12% | 0.014% |
| 213 | 7.582 | 7.561 | 7.606 | VV | 194 | 3009  | 0.21% | 0.025% |
| 214 | 7.613 | 7.606 | 7.624 | VV | 70  | 831   | 0.06% | 0.007% |
| 215 | 7.642 | 7.624 | 7.699 | VV | 186 | 4453  | 0.31% | 0.037% |
| 216 | 7.706 | 7.699 | 7.716 | VV | 79  | 605   | 0.04% | 0.005% |
| 217 | 7.723 | 7.716 | 7.735 | VV | 114 | 717   | 0.05% | 0.006% |
| 218 | 7.763 | 7.735 | 7.774 | VV | 126 | 1563  | 0.11% | 0.013% |
| 219 | 7.790 | 7.774 | 7.821 | VV | 130 | 2353  | 0.16% | 0.020% |
| 220 | 7.827 | 7.821 | 7.851 | VV | 80  | 991   | 0.07% | 0.008% |
| 221 | 7.860 | 7.851 | 7.881 | VV | 72  | 1241  | 0.09% | 0.010% |
| 222 | 7.919 | 7.881 | 7.936 | VV | 406 | 6274  | 0.43% | 0.053% |
| 223 | 7.949 | 7.936 | 7.972 | VV | 217 | 3355  | 0.23% | 0.028% |
| 224 | 7.980 | 7.972 | 8.004 | VV | 148 | 1589  | 0.11% | 0.013% |
| 225 | 8.009 | 8.004 | 8.022 | VV | 96  | 742   | 0.05% | 0.006% |
| 226 | 8.062 | 8.022 | 8.081 | VV | 304 | 5868  | 0.41% | 0.049% |
| 227 | 8.091 | 8.081 | 8.151 | VV | 411 | 6447  | 0.45% | 0.054% |
| 228 | 8.164 | 8.151 | 8.187 | PV | 123 | 1258  | 0.09% | 0.011% |
| 229 | 8.216 | 8.187 | 8.232 | VV | 106 | 1804  | 0.13% | 0.015% |
| 230 | 8.242 | 8.232 | 8.253 | VV | 97  | 921   | 0.06% | 0.008% |
| 231 | 8.282 | 8.253 | 8.299 | VV | 128 | 2596  | 0.18% | 0.022% |
| 232 | 8.309 | 8.299 | 8.318 | VV | 121 | 936   | 0.06% | 0.008% |
| 233 | 8.341 | 8.318 | 8.375 | VV | 153 | 3199  | 0.22% | 0.027% |
| 234 | 8.387 | 8.375 | 8.397 | VV | 91  | 951   | 0.07% | 0.008% |
| 235 | 8.413 | 8.397 | 8.447 | VV | 150 | 2884  | 0.20% | 0.024% |
| 236 | 8.489 | 8.447 | 8.504 | VV | 205 | 4583  | 0.32% | 0.039% |
| 237 | 8.528 | 8.504 | 8.609 | VV | 513 | 17279 | 1.20% | 0.145% |
| 238 | 8.658 | 8.609 | 8.708 | VV | 375 | 11970 | 0.83% | 0.101% |
| 239 | 8.714 | 8.708 | 8.737 | VV | 132 | 1953  | 0.14% | 0.016% |
| 240 | 8.759 | 8.737 | 8.774 | VV | 152 | 3028  | 0.21% | 0.025% |
| 241 | 8.788 | 8.774 | 8.811 | VV | 155 | 2820  | 0.20% | 0.024% |
| 242 | 8.817 | 8.811 | 8.834 | VV | 138 | 1332  | 0.09% | 0.011% |
| 243 | 8.879 | 8.834 | 8.917 | VV | 389 | 8150  | 0.56% | 0.069% |
| 244 | 8.951 | 8.917 | 9.002 | VV | 221 | 7255  | 0.50% | 0.061% |
| 245 | 9.025 | 9.002 | 9.044 | VV | 209 | 4744  | 0.33% | 0.040% |
| 246 | 9.061 | 9.044 | 9.097 | VV | 319 | 6476  | 0.45% | 0.055% |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 247 | 9.106  | 9.097  | 9.151  | VV | 441    | 3316   | 0.23%  | 0.028% |
| 248 | 9.178  | 9.151  | 9.207  | VV | 156    | 3331   | 0.23%  | 0.028% |
| 249 | 9.216  | 9.207  | 9.236  | VV | 126    | 1755   | 0.12%  | 0.015% |
| 250 | 9.255  | 9.236  | 9.263  | VV | 158    | 1994   | 0.14%  | 0.017% |
| 251 | 9.271  | 9.263  | 9.307  | VV | 142    | 2653   | 0.18%  | 0.022% |
| 252 | 9.315  | 9.307  | 9.337  | VV | 99     | 1287   | 0.09%  | 0.011% |
| 253 | 9.354  | 9.337  | 9.379  | VV | 338    | 5756   | 0.40%  | 0.048% |
| 254 | 9.396  | 9.379  | 9.418  | VV | 346    | 5602   | 0.39%  | 0.047% |
| 255 | 9.437  | 9.418  | 9.479  | VV | 194    | 4669   | 0.32%  | 0.039% |
| 256 | 9.486  | 9.479  | 9.511  | VV | 119    | 1318   | 0.09%  | 0.011% |
| 257 | 9.542  | 9.511  | 9.571  | VV | 198    | 4623   | 0.32%  | 0.039% |
| 258 | 9.581  | 9.571  | 9.604  | VV | 119    | 1387   | 0.10%  | 0.012% |
| 259 | 9.620  | 9.604  | 9.640  | VV | 67     | 846    | 0.06%  | 0.007% |
| 260 | 9.658  | 9.640  | 9.672  | VV | 127    | 1128   | 0.08%  | 0.009% |
| 261 | 9.683  | 9.672  | 9.707  | VV | 163    | 1861   | 0.13%  | 0.016% |
| 262 | 9.736  | 9.707  | 9.756  | VV | 290    | 6091   | 0.42%  | 0.051% |
| 263 | 9.770  | 9.756  | 9.798  | VV | 268    | 4870   | 0.34%  | 0.041% |
| 264 | 9.806  | 9.798  | 9.835  | VV | 175    | 3093   | 0.21%  | 0.026% |
| 265 | 9.863  | 9.835  | 9.870  | VV | 177    | 2365   | 0.16%  | 0.020% |
| 266 | 9.889  | 9.870  | 9.937  | VV | 191    | 4488   | 0.31%  | 0.038% |
| 267 | 9.965  | 9.937  | 9.982  | PV | 350    | 3983   | 0.28%  | 0.034% |
| 268 | 10.019 | 9.982  | 10.436 | VV | 12809  | 559539 | 38.78% | 4.710% |
| 269 | 10.482 | 10.436 | 10.585 | VV | 649    | 27055  | 1.88%  | 0.228% |
| 270 | 10.598 | 10.585 | 10.639 | VV | 236    | 6478   | 0.45%  | 0.055% |
| 271 | 10.652 | 10.639 | 10.679 | VV | 215    | 4380   | 0.30%  | 0.037% |
| 272 | 10.697 | 10.679 | 10.755 | VV | 317    | 7766   | 0.54%  | 0.065% |
| 273 | 10.769 | 10.755 | 10.779 | VV | 155    | 1891   | 0.13%  | 0.016% |
| 274 | 10.791 | 10.779 | 10.827 | VV | 175    | 3551   | 0.25%  | 0.030% |
| 275 | 10.852 | 10.827 | 10.862 | VV | 319    | 4827   | 0.33%  | 0.041% |
| 276 | 10.884 | 10.862 | 10.924 | VV | 355    | 9369   | 0.65%  | 0.079% |
| 277 | 10.946 | 10.924 | 10.967 | VV | 257    | 4622   | 0.32%  | 0.039% |
| 278 | 10.993 | 10.967 | 11.022 | VV | 217    | 5076   | 0.35%  | 0.043% |
| 279 | 11.029 | 11.022 | 11.039 | VV | 143    | 1098   | 0.08%  | 0.009% |
| 280 | 11.065 | 11.039 | 11.084 | VV | 128    | 2590   | 0.18%  | 0.022% |
| 281 | 11.111 | 11.084 | 11.138 | VV | 235    | 5678   | 0.39%  | 0.048% |
| 282 | 11.150 | 11.138 | 11.158 | VV | 141    | 1520   | 0.11%  | 0.013% |
| 283 | 11.191 | 11.158 | 11.235 | VV | 375    | 11204  | 0.78%  | 0.094% |
| 284 | 11.254 | 11.235 | 11.305 | VV | 340    | 8725   | 0.60%  | 0.073% |
| 285 | 11.314 | 11.305 | 11.381 | VV | 156    | 5555   | 0.38%  | 0.047% |
| 286 | 11.391 | 11.381 | 11.402 | VV | 115    | 1282   | 0.09%  | 0.011% |
| 287 | 11.409 | 11.402 | 11.441 | VV | 111    | 1218   | 0.08%  | 0.010% |
| 288 | 11.520 | 11.441 | 11.546 | PV | 157    | 4667   | 0.32%  | 0.039% |
| 289 | 11.579 | 11.546 | 11.618 | VV | 237    | 6303   | 0.44%  | 0.053% |
| 290 | 11.662 | 11.618 | 11.712 | VV | 772    | 14555  | 1.01%  | 0.123% |
| 291 | 11.740 | 11.712 | 11.758 | VV | 288    | 3980   | 0.28%  | 0.033% |
| 292 | 11.777 | 11.758 | 11.802 | VV | 223    | 3426   | 0.24%  | 0.029% |
| 293 | 11.809 | 11.802 | 11.834 | VV | 54     | 669    | 0.05%  | 0.006% |
| 294 | 11.867 | 11.834 | 11.882 | PV | 320    | 6199   | 0.43%  | 0.052% |
| 295 | 11.897 | 11.882 | 11.951 | VV | 626    | 11554  | 0.80%  | 0.097% |
| 296 | 12.008 | 11.951 | 12.044 | VV | 2628   | 56894  | 3.94%  | 0.479% |
| 297 | 12.062 | 12.044 | 12.209 | VV | 1784   | 33755  | 2.34%  | 0.284% |
| 298 | 12.251 | 12.209 | 12.277 | VV | 262    | 6887   | 0.48%  | 0.058% |
| 299 | 12.304 | 12.277 | 12.318 | VV | 230    | 4185   | 0.29%  | 0.035% |

|     |        |        |        |    |        |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 300 | 12.344 | 12.318 | 12.370 | VV | 399    | 8037    | 0.56%   | 0.068%  |
| 301 | 12.380 | 12.370 | 12.391 | VV | 225    | 2332    | 0.16%   | 0.020%  |
| 302 | 12.403 | 12.391 | 12.435 | VV | 227    | 3409    | 0.24%   | 0.029%  |
| 303 | 12.456 | 12.435 | 12.476 | PV | 440    | 5055    | 0.35%   | 0.043%  |
| 304 | 12.509 | 12.476 | 12.554 | VV | 12918  | 152462  | 10.57%  | 1.283%  |
| 305 | 12.575 | 12.554 | 12.592 | VV | 1270   | 18815   | 1.30%   | 0.158%  |
| 306 | 12.603 | 12.592 | 12.631 | VV | 775    | 12784   | 0.89%   | 0.108%  |
| 307 | 12.633 | 12.631 | 12.687 | VV | 492    | 11335   | 0.79%   | 0.095%  |
| 308 | 12.699 | 12.687 | 12.781 | VV | 386    | 12459   | 0.86%   | 0.105%  |
| 309 | 12.818 | 12.781 | 12.874 | VV | 510    | 14456   | 1.00%   | 0.122%  |
| 310 | 12.892 | 12.874 | 12.917 | VV | 368    | 6511    | 0.45%   | 0.055%  |
| 311 | 12.960 | 12.917 | 13.082 | VV | 5740   | 97804   | 6.78%   | 0.823%  |
| 312 | 13.148 | 13.082 | 13.194 | VV | 228    | 8623    | 0.60%   | 0.073%  |
| 313 | 13.205 | 13.194 | 13.240 | PV | 134    | 2053    | 0.14%   | 0.017%  |
| 314 | 13.306 | 13.240 | 13.384 | VV | 1899   | 61058   | 4.23%   | 0.514%  |
| 315 | 13.397 | 13.384 | 13.446 | VV | 249    | 7211    | 0.50%   | 0.061%  |
| 316 | 13.453 | 13.446 | 13.485 | VV | 174    | 2831    | 0.20%   | 0.024%  |
| 317 | 13.517 | 13.485 | 13.547 | VV | 635    | 13276   | 0.92%   | 0.112%  |
| 318 | 13.566 | 13.547 | 13.612 | VV | 369    | 10102   | 0.70%   | 0.085%  |
| 319 | 13.635 | 13.612 | 13.682 | VV | 266    | 8033    | 0.56%   | 0.068%  |
| 320 | 13.689 | 13.682 | 13.701 | VV | 144    | 1345    | 0.09%   | 0.011%  |
| 321 | 13.727 | 13.701 | 13.759 | VV | 280    | 6772    | 0.47%   | 0.057%  |
| 322 | 13.792 | 13.759 | 13.851 | VV | 2104   | 32293   | 2.24%   | 0.272%  |
| 323 | 13.915 | 13.851 | 13.939 | VV | 381    | 10533   | 0.73%   | 0.089%  |
| 324 | 13.963 | 13.939 | 13.997 | VV | 393    | 8233    | 0.57%   | 0.069%  |
| 325 | 14.050 | 13.997 | 14.077 | VV | 1593   | 26221   | 1.82%   | 0.221%  |
| 326 | 14.094 | 14.077 | 14.137 | VV | 417    | 8594    | 0.60%   | 0.072%  |
| 327 | 14.144 | 14.137 | 14.182 | VV | 185    | 3505    | 0.24%   | 0.030%  |
| 328 | 14.207 | 14.182 | 14.266 | VV | 1616   | 23423   | 1.62%   | 0.197%  |
| 329 | 14.338 | 14.266 | 14.349 | PV | 192    | 4627    | 0.32%   | 0.039%  |
| 330 | 14.364 | 14.349 | 14.377 | VV | 144    | 1845    | 0.13%   | 0.016%  |
| 331 | 14.388 | 14.377 | 14.413 | VV | 121    | 1527    | 0.11%   | 0.013%  |
| 332 | 14.458 | 14.413 | 14.471 | VV | 350    | 5551    | 0.38%   | 0.047%  |
| 333 | 14.501 | 14.471 | 14.578 | VV | 1891   | 49275   | 3.42%   | 0.415%  |
| 334 | 14.601 | 14.578 | 14.635 | VV | 154    | 3701    | 0.26%   | 0.031%  |
| 335 | 14.661 | 14.635 | 14.681 | VV | 754    | 10478   | 0.73%   | 0.088%  |
| 336 | 14.700 | 14.681 | 14.722 | VV | 421    | 7988    | 0.55%   | 0.067%  |
| 337 | 14.764 | 14.722 | 14.797 | VV | 662    | 17832   | 1.24%   | 0.150%  |
| 338 | 14.817 | 14.797 | 14.844 | VV | 394    | 7615    | 0.53%   | 0.064%  |
| 339 | 14.869 | 14.844 | 14.879 | VV | 191    | 2891    | 0.20%   | 0.024%  |
| 340 | 14.901 | 14.879 | 14.957 | VV | 391    | 10496   | 0.73%   | 0.088%  |
| 341 | 14.999 | 14.957 | 15.044 | VV | 108459 | 1442783 | 100.00% | 12.144% |
| 342 | 15.054 | 15.044 | 15.136 | VV | 955    | 22983   | 1.59%   | 0.193%  |
| 343 | 15.170 | 15.136 | 15.184 | VV | 1136   | 16343   | 1.13%   | 0.138%  |
| 344 | 15.202 | 15.184 | 15.234 | VV | 1627   | 23033   | 1.60%   | 0.194%  |
| 345 | 15.249 | 15.234 | 15.314 | VV | 581    | 10767   | 0.75%   | 0.091%  |
| 346 | 15.324 | 15.314 | 15.369 | VV | 136    | 2665    | 0.18%   | 0.022%  |
| 347 | 15.399 | 15.369 | 15.444 | VV | 307    | 5738    | 0.40%   | 0.048%  |
| 348 | 15.454 | 15.444 | 15.470 | VV | 130    | 1152    | 0.08%   | 0.010%  |
| 349 | 15.489 | 15.470 | 15.498 | VV | 134    | 1170    | 0.08%   | 0.010%  |
| 350 | 15.534 | 15.498 | 15.548 | PV | 185    | 3385    | 0.23%   | 0.028%  |
| 351 | 15.587 | 15.548 | 15.701 | VV | 43056  | 861979  | 59.74%  | 7.255%  |

|     |        |        |        |    | rteres |        |        |        |
|-----|--------|--------|--------|----|--------|--------|--------|--------|
| 352 | 15.724 | 15.701 | 15.764 | VV | 2683   | 45080  | 3.12%  | 0.379% |
| 353 | 15.791 | 15.764 | 15.827 | VV | 892    | 17001  | 1.18%  | 0.143% |
| 354 | 15.856 | 15.827 | 15.927 | VV | 412    | 12384  | 0.86%  | 0.104% |
| 355 | 16.016 | 15.927 | 16.061 | VV | 391    | 15138  | 1.05%  | 0.127% |
| 356 | 16.114 | 16.061 | 16.174 | VV | 1377   | 35104  | 2.43%  | 0.295% |
| 357 | 16.189 | 16.174 | 16.198 | VV | 194    | 2601   | 0.18%  | 0.022% |
| 358 | 16.227 | 16.198 | 16.271 | VV | 2421   | 37282  | 2.58%  | 0.314% |
| 359 | 16.291 | 16.271 | 16.316 | VV | 265    | 4158   | 0.29%  | 0.035% |
| 360 | 16.366 | 16.316 | 16.394 | PV | 295    | 4882   | 0.34%  | 0.041% |
| 361 | 16.437 | 16.394 | 16.450 | VV | 194    | 4170   | 0.29%  | 0.035% |
| 362 | 16.461 | 16.450 | 16.485 | VV | 146    | 1706   | 0.12%  | 0.014% |
| 363 | 16.610 | 16.485 | 16.687 | VV | 5556   | 142301 | 9.86%  | 1.198% |
| 364 | 16.711 | 16.687 | 16.741 | VV | 2991   | 42508  | 2.95%  | 0.358% |
| 365 | 16.791 | 16.741 | 16.831 | VV | 731    | 17019  | 1.18%  | 0.143% |
| 366 | 16.863 | 16.831 | 16.884 | VV | 257    | 4953   | 0.34%  | 0.042% |
| 367 | 16.909 | 16.884 | 16.949 | VV | 505    | 7571   | 0.52%  | 0.064% |
| 368 | 16.994 | 16.949 | 17.042 | PV | 904    | 28843  | 2.00%  | 0.243% |
| 369 | 17.074 | 17.042 | 17.119 | VV | 752    | 23535  | 1.63%  | 0.198% |
| 370 | 17.179 | 17.119 | 17.200 | VV | 2747   | 48236  | 3.34%  | 0.406% |
| 371 | 17.227 | 17.200 | 17.326 | VV | 7082   | 120550 | 8.36%  | 1.015% |
| 372 | 17.334 | 17.326 | 17.353 | VV | 143    | 1249   | 0.09%  | 0.011% |
| 373 | 17.418 | 17.353 | 17.439 | PV | 146    | 4011   | 0.28%  | 0.034% |
| 374 | 17.474 | 17.439 | 17.490 | PV | 174    | 3468   | 0.24%  | 0.029% |
| 375 | 17.513 | 17.490 | 17.524 | VV | 310    | 4635   | 0.32%  | 0.039% |
| 376 | 17.554 | 17.524 | 17.601 | VV | 2422   | 55499  | 3.85%  | 0.467% |
| 377 | 17.630 | 17.601 | 17.664 | VV | 4485   | 64562  | 4.47%  | 0.543% |
| 378 | 17.727 | 17.664 | 17.797 | VV | 886    | 23632  | 1.64%  | 0.199% |
| 379 | 17.856 | 17.797 | 17.879 | PV | 147    | 2832   | 0.20%  | 0.024% |
| 380 | 17.901 | 17.879 | 17.925 | VV | 109    | 1803   | 0.12%  | 0.015% |
| 381 | 18.025 | 17.925 | 18.046 | PV | 1690   | 36637  | 2.54%  | 0.308% |
| 382 | 18.068 | 18.046 | 18.097 | VV | 2782   | 41714  | 2.89%  | 0.351% |
| 383 | 18.158 | 18.097 | 18.224 | VV | 987    | 23788  | 1.65%  | 0.200% |
| 384 | 18.295 | 18.224 | 18.317 | PV | 813    | 15928  | 1.10%  | 0.134% |
| 385 | 18.345 | 18.317 | 18.372 | VV | 1457   | 24948  | 1.73%  | 0.210% |
| 386 | 18.387 | 18.372 | 18.399 | VV | 673    | 7930   | 0.55%  | 0.067% |
| 387 | 18.433 | 18.399 | 18.475 | VV | 24461  | 492805 | 34.16% | 4.148% |
| 388 | 18.493 | 18.475 | 18.564 | VV | 5860   | 110426 | 7.65%  | 0.929% |
| 389 | 18.593 | 18.564 | 18.620 | VV | 603    | 11797  | 0.82%  | 0.099% |
| 390 | 18.635 | 18.620 | 18.656 | VV | 140    | 1987   | 0.14%  | 0.017% |
| 391 | 18.706 | 18.656 | 18.734 | PV | 388    | 4063   | 0.28%  | 0.034% |
| 392 | 18.757 | 18.734 | 18.772 | VV | 120    | 2179   | 0.15%  | 0.018% |
| 393 | 18.898 | 18.772 | 18.949 | VV | 4543   | 136557 | 9.46%  | 1.149% |
| 394 | 18.966 | 18.949 | 18.977 | VV | 1065   | 14865  | 1.03%  | 0.125% |
| 395 | 19.009 | 18.977 | 19.080 | VV | 1192   | 50361  | 3.49%  | 0.424% |
| 396 | 19.092 | 19.080 | 19.124 | VV | 585    | 10183  | 0.71%  | 0.086% |
| 397 | 19.171 | 19.124 | 19.204 | VV | 385    | 9913   | 0.69%  | 0.083% |
| 398 | 19.261 | 19.204 | 19.294 | PV | 13934  | 299507 | 20.76% | 2.521% |
| 399 | 19.302 | 19.294 | 19.351 | VV | 6361   | 123611 | 8.57%  | 1.040% |
| 400 | 19.400 | 19.351 | 19.421 | VV | 1628   | 54726  | 3.79%  | 0.461% |
| 401 | 19.470 | 19.421 | 19.521 | VV | 2770   | 85220  | 5.91%  | 0.717% |
| 402 | 19.541 | 19.521 | 19.571 | VV | 997    | 24420  | 1.69%  | 0.206% |
| 403 | 19.596 | 19.571 | 19.614 | VV | 999    | 19227  | 1.33%  | 0.162% |
| 404 | 19.643 | 19.614 | 19.661 | VV | 1242   | 25635  | 1.78%  | 0.216% |

|                         |        |        |        |    | rterres  |        |        |        |
|-------------------------|--------|--------|--------|----|----------|--------|--------|--------|
| 405                     | 19.689 | 19.661 | 19.729 | VV | 2598     | 57730  | 4.00%  | 0.486% |
| 406                     | 19.781 | 19.729 | 19.824 | VV | 2592     | 106388 | 7.37%  | 0.895% |
| 407                     | 19.858 | 19.824 | 19.902 | VV | 2123     | 77531  | 5.37%  | 0.653% |
| 408                     | 19.985 | 19.902 | 20.012 | VV | 4096     | 144609 | 10.02% | 1.217% |
| 409                     | 20.046 | 20.012 | 20.131 | VV | 4828     | 210323 | 14.58% | 1.770% |
| 410                     | 20.165 | 20.131 | 20.205 | VV | 2681     | 95090  | 6.59%  | 0.800% |
| 411                     | 20.264 | 20.205 | 20.284 | VV | 3162     | 116804 | 8.10%  | 0.983% |
| 412                     | 20.305 | 20.284 | 20.342 | VV | 3146     | 98033  | 6.79%  | 0.825% |
| 413                     | 20.433 | 20.342 | 20.451 | VV | 4618     | 221844 | 15.38% | 1.867% |
| 414                     | 20.478 | 20.451 | 20.507 | VV | 5907     | 160812 | 11.15% | 1.354% |
| 415                     | 20.537 | 20.507 | 20.550 | VV | 3942     | 99743  | 6.91%  | 0.840% |
| 416                     | 20.589 | 20.550 | 20.624 | VV | 4596     | 179217 | 12.42% | 1.508% |
| 417                     | 20.660 | 20.624 | 20.679 | VV | 4574     | 141374 | 9.80%  | 1.190% |
| 418                     | 20.811 | 20.679 | 20.844 | VV | 7359     | 556548 | 38.57% | 4.684% |
| 419                     | 20.891 | 20.844 | 20.924 | VV | 5838     | 269375 | 18.67% | 2.267% |
| 420                     | 20.961 | 20.924 | 21.000 | VV | 7246     | 279398 | 19.37% | 2.352% |
| 421                     | 21.047 | 21.000 | 21.056 | VV | 5456     | 175866 | 12.19% | 1.480% |
| 422                     | 21.078 | 21.056 | 21.095 | VV | 5270     | 119813 | 8.30%  | 1.008% |
| 423                     | 21.106 | 21.095 | 21.134 | VV | 5070     | 115445 | 8.00%  | 0.972% |
| 424                     | 21.171 | 21.134 | 21.262 | VV | 5132     | 349031 | 24.19% | 2.938% |
| 425                     | 21.291 | 21.262 | 21.299 | VV | 3994     | 87965  | 6.10%  | 0.740% |
| 426                     | 21.309 | 21.299 | 21.319 | VV | 3906     | 45995  | 3.19%  | 0.387% |
| 427                     | 21.329 | 21.319 | 21.337 | VV | 3783     | 41524  | 2.88%  | 0.350% |
| 428                     | 21.428 | 21.337 | 21.444 | VV | 3866     | 242781 | 16.83% | 2.043% |
| 429                     | 21.506 | 21.444 | 21.564 | VV | 5175     | 291625 | 20.21% | 2.455% |
| 430                     | 21.605 | 21.564 | 21.653 | VV | 3271     | 160568 | 11.13% | 1.351% |
| 431                     | 21.663 | 21.653 | 21.686 | VV | 2574     | 47864  | 3.32%  | 0.403% |
| 432                     | 21.688 | 21.686 | 21.697 | VV | 2372     | 16125  | 1.12%  | 0.136% |
| 433                     | 21.741 | 21.697 | 21.829 | VV | 2408     | 155260 | 10.76% | 1.307% |
| 434                     | 21.840 | 21.829 | 21.898 | VV | 1566     | 54791  | 3.80%  | 0.461% |
| 435                     | 21.911 | 21.898 | 21.922 | VV | 1281     | 16622  | 1.15%  | 0.140% |
| 436                     | 21.933 | 21.922 | 22.027 | VV | 1176     | 48396  | 3.35%  | 0.407% |
| 437                     | 22.042 | 22.027 | 22.054 | VV | 301      | 4274   | 0.30%  | 0.036% |
| 438                     | 22.147 | 22.054 | 22.192 | VV | 1445     | 48302  | 3.35%  | 0.407% |
| Sum of corrected areas: |        |        |        |    | 11880830 |        |        |        |

FG042425.M Wed Apr 30 02:10:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015773.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 19:15  
Operator : YP\AJ  
Sample : PB167783BL  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB167783BL

Integration File: autoint1.e  
Quant Time: Apr 30 01:20:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units   |
|-------------------------------|--------|----------|--------------|
| -----                         |        |          |              |
| System Monitoring Compounds   |        |          |              |
| 9) S TETRACOSANE-d50 (SURR... | 15.002 | 1807045  | 15.348 ug/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

(m)=manual int.

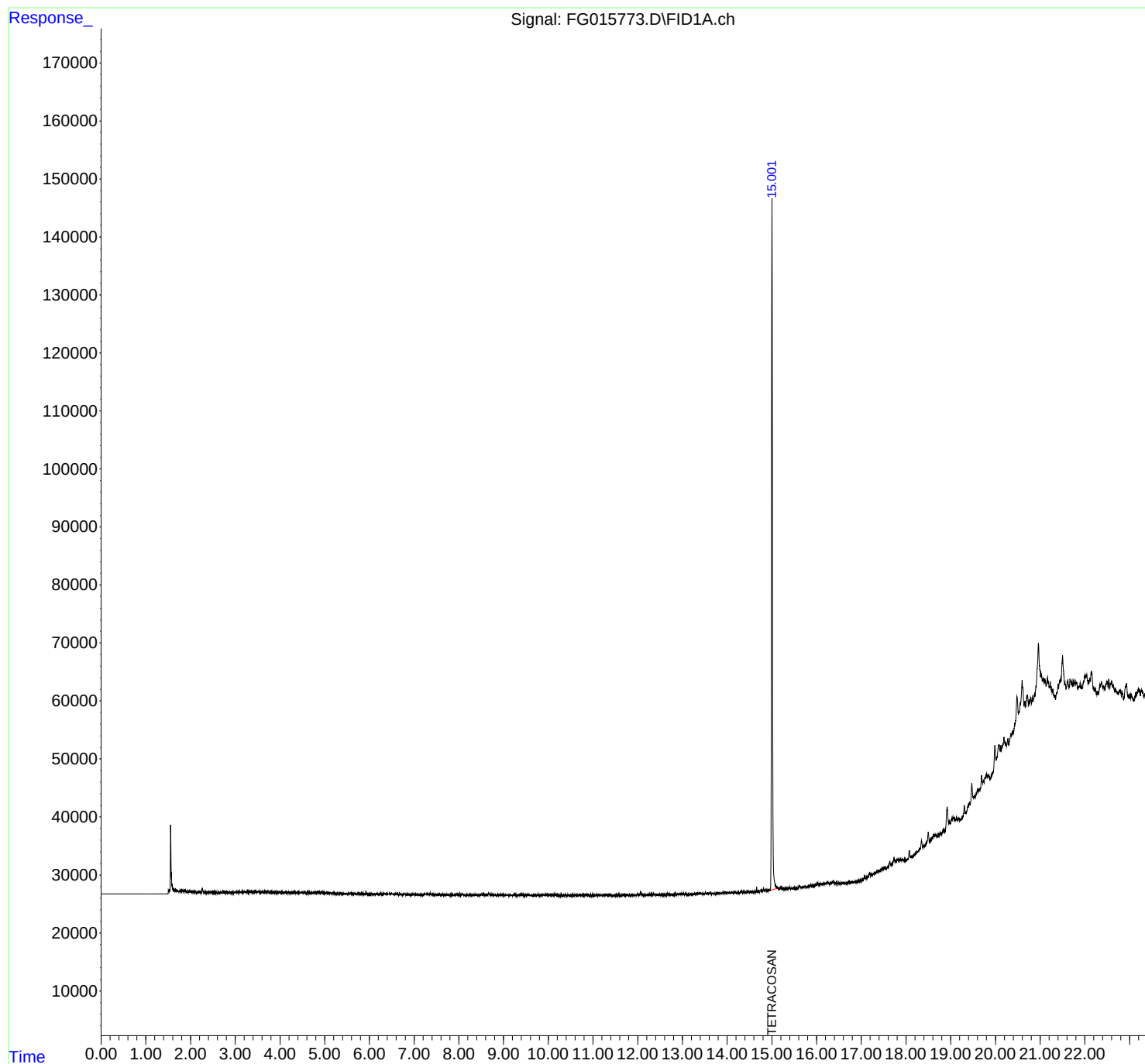


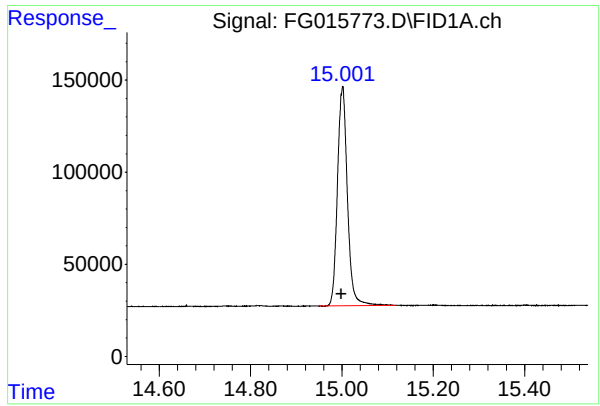
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015773.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 19:15  
Operator : YP\AJ  
Sample : PB167783BL  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB167783BL

Integration File: autoint1.e  
Quant Time: Apr 30 01:20:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

Sample Results: **FG015773.D**

R.T.: 15.002 min  
Delta R.T.: 0.003 min  
Response: 1807045  
Conc: 15.35 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
PB167783BL

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015773.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 19:15  
Sample : PB167783BL  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Title :

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                       | 15.002      | 14.950       | 15.118     | BB       | 119217         | 1807045      | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                | 1807045      |                |               |

FG042425.M Wed Apr 30 02:05:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015774.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 19:44  
 Operator : YP\AJ  
 Sample : PB167783BS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

**Instrument :**

FID\_G

**ClientSampleId :**

PB167783BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e  
 Quant Time: Apr 30 01:21:15 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Quant Title :  
 QLast Update : Thu Apr 24 12:54:09 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units    |
|-------------------------------|--------|----------|---------------|
| -----                         |        |          |               |
| System Monitoring Compounds   |        |          |               |
| 9) S TETRACOSANE-d50 (SURR... | 15.001 | 2013184  | 17.099 ug/ml  |
| Target Compounds              |        |          |               |
| 1) N-OCTANE                   | 1.977  | 1394866  | 12.377 ug/ml  |
| 2) N-DECANE                   | 4.502  | 1772371  | 15.919 ug/ml  |
| 3) N-DODECANE                 | 6.684  | 1965183  | 17.148 ug/ml  |
| 4) N-TETRADECANE              | 8.520  | 2061508  | 17.013 ug/ml  |
| 5) N-HEXADECANE               | 10.134 | 2190067  | 17.445 ug/ml  |
| 6) N-OCTADECANE               | 11.582 | 2317222  | 17.682 ug/ml  |
| 7) N-EICOSANE                 | 12.896 | 2297470  | 16.946 ug/ml  |
| 8) N-DOCOSANE                 | 14.098 | 2285842  | 17.235 ug/ml  |
| 10) N-TETRACOSANE             | 15.204 | 2292947  | 17.255 ug/ml  |
| 11) N-HEXACOSANE              | 16.229 | 2256090  | 17.012 ug/ml  |
| 12) N-OCTACOSANE              | 17.181 | 2223261  | 16.864 ug/ml  |
| 13) N-TRIACONTANE             | 18.071 | 2143837  | 16.080 ug/ml  |
| 14) N-DOTRIACONTANE           | 18.905 | 1815943  | 13.775 ug/mlm |
| 15) N-TETRATRIACONTANE        | 19.690 | 1121884  | 9.277 ug/ml   |
| 16) N-HEXATRIACONTANE         | 20.430 | 681475   | 6.356 ug/ml   |
| 17) N-OCTATRIACONTANE         | 21.171 | 568438   | 5.901 ug/ml   |
| 18) N-TETRACONTANE            | 22.091 | 531910   | 5.973 ug/ml   |
| -----                         |        |          |               |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015774.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 19:44  
Operator : YP\AJ  
Sample : PB167783BS  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167783BS

## Manual Integrations

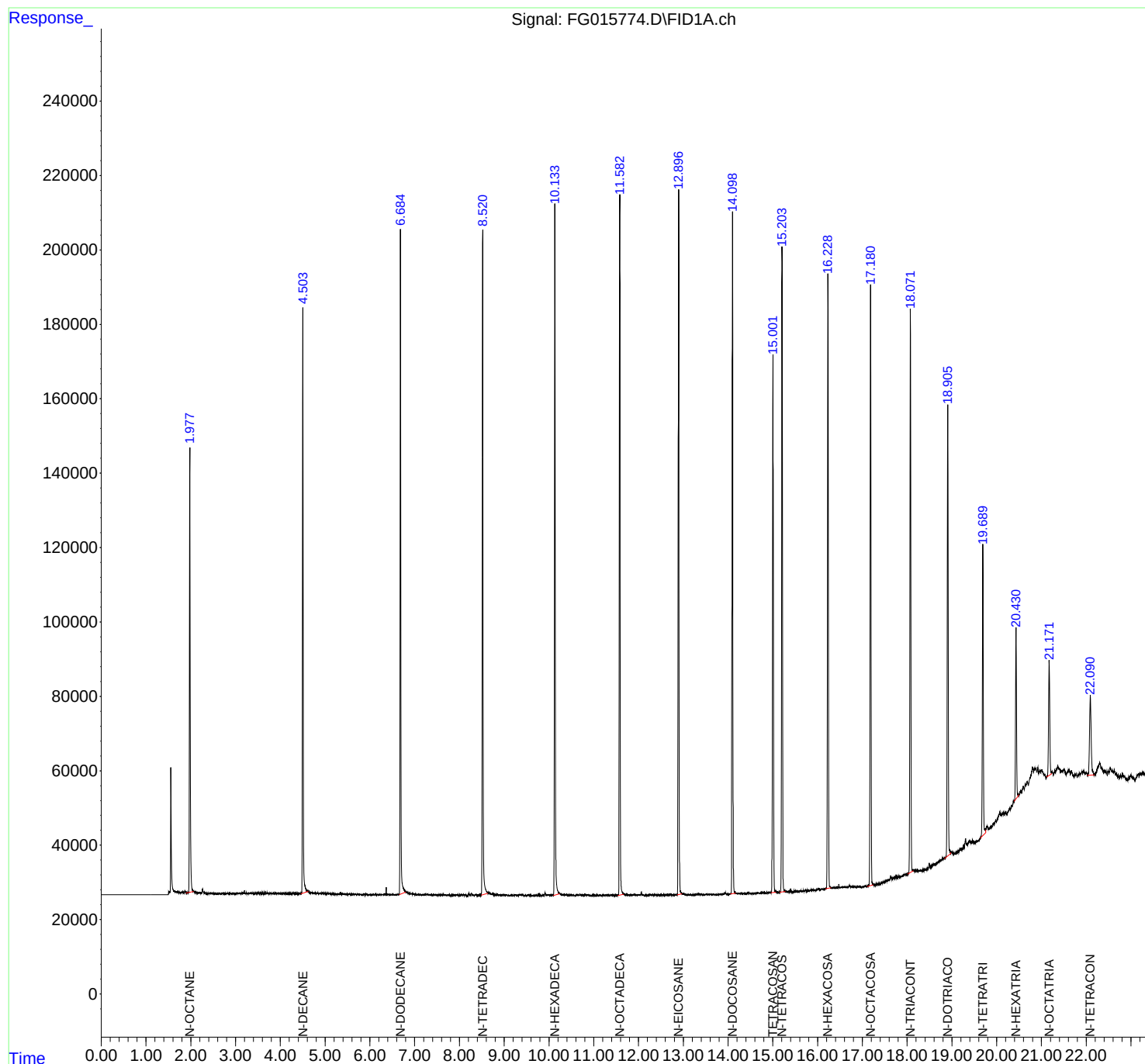
APPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e  
Quant Time: Apr 30 01:21:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
Qlast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um



rteres

Instrument :

FID\_G

ClientSampleId :

PB167783BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04292  
 Data File : FG015774.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 19:44  
 Sample : PB167783BS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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                       | 1.977       | 1.898        | 2.063      | BB       | 119159         | 1394866      | 60.20%         | 4.372%        |
| 2                       | 4.502       | 4.463        | 4.618      | BB       | 157404         | 1772371      | 76.49%         | 5.555%        |
| 3                       | 6.684       | 6.653        | 6.803      | BB       | 178896         | 1965183      | 84.81%         | 6.159%        |
| 4                       | 8.520       | 8.484        | 8.640      | BB       | 178798         | 2061508      | 88.96%         | 6.461%        |
| 5                       | 10.134      | 10.101       | 10.238     | BB       | 185394         | 2190067      | 94.51%         | 6.864%        |
| 6                       | 11.582      | 11.545       | 11.674     | BB       | 187704         | 2317222      | 100.00%        | 7.263%        |
| 7                       | 12.896      | 12.857       | 12.974     | BB       | 189296         | 2297470      | 99.15%         | 7.201%        |
| 8                       | 14.098      | 14.048       | 14.166     | BB       | 182656         | 2285842      | 98.65%         | 7.164%        |
| 9                       | 15.001      | 14.953       | 15.071     | BV       | 144320         | 2013184      | 86.88%         | 6.310%        |
| 10                      | 15.204      | 15.154       | 15.279     | BB       | 172894         | 2292947      | 98.95%         | 7.187%        |
| 11                      | 16.229      | 16.178       | 16.295     | BB       | 162940         | 2256090      | 97.36%         | 7.071%        |
| 12                      | 17.181      | 17.107       | 17.247     | BB       | 159435         | 2223261      | 95.95%         | 6.968%        |
| 13                      | 18.071      | 18.008       | 18.141     | BB       | 150395         | 2143837      | 92.52%         | 6.719%        |
| 14                      | 18.905      | 18.518       | 18.973     | PB       | 120664         | 1788636      | 77.19%         | 5.606%        |
| 15                      | 19.690      | 19.640       | 19.755     | BV       | 78275          | 1121884      | 48.42%         | 3.516%        |
| 16                      | 20.430      | 20.390       | 20.490     | BB       | 45831          | 681475       | 29.41%         | 2.136%        |
| 17                      | 21.171      | 21.120       | 21.220     | BV       | 30733          | 568438       | 24.53%         | 1.782%        |
| 18                      | 22.091      | 22.024       | 22.180     | PV       | 21443          | 531910       | 22.95%         | 1.667%        |
| Sum of corrected areas: |             |              |            |          |                | 31906190     |                |               |

FG042425.M Wed Apr 30 02:06:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015776.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 20:43  
 Operator : YP\AJ  
 Sample : Q1877-01MS  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

AU-6-042425MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e  
 Quant Time: Apr 30 01:22:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Quant Title :  
 QLast Update : Thu Apr 24 12:54:09 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units    |
|-------------------------------|--------|----------|---------------|
| -----                         |        |          |               |
| System Monitoring Compounds   |        |          |               |
| 9) S TETRACOSANE-d50 (SURR... | 15.005 | 1681540  | 14.282 ug/ml  |
| Target Compounds              |        |          |               |
| 1) N-OCTANE                   | 1.976  | 1358905  | 12.058 ug/ml  |
| 2) N-DECANE                   | 4.504  | 2159422  | 19.396 ug/ml  |
| 3) N-DODECANE                 | 6.688  | 5192621  | 45.310 ug/ml  |
| 4) N-TETRADECANE              | 8.527  | 7021700  | 57.948 ug/mlm |
| 5) N-HEXADECANE               | 10.141 | 8216759  | 65.450 ug/mlm |
| 6) N-OCTADECANE               | 11.591 | 7270832  | 55.480 ug/mlm |
| 7) N-EICOSANE                 | 12.904 | 5660794  | 41.754 ug/mlm |
| 8) N-DOCOSANE                 | 14.104 | 3904649  | 29.440 ug/mlm |
| 10) N-TETRACOSANE             | 15.211 | 2969454  | 22.346 ug/ml  |
| 11) N-HEXACOSANE              | 16.234 | 2563021  | 19.326 ug/ml  |
| 12) N-OCTACOSANE              | 17.187 | 2479545  | 18.808 ug/ml  |
| 13) N-TRIACONTANE             | 18.077 | 2516947  | 18.879 ug/ml  |
| 14) N-DOTRIACONTANE           | 18.913 | 2244921  | 17.029 ug/ml  |
| 15) N-TETRATRIACONTANE        | 19.699 | 1461208  | 12.082 ug/ml  |
| 16) N-HEXATRIACONTANE         | 20.441 | 1107009  | 10.325 ug/ml  |
| 17) N-OCTATRIACONTANE         | 21.191 | 828703   | 8.603 ug/ml   |
| 18) N-TETRACONTANE            | 22.110 | 1017729  | 11.429 ug/ml  |
| -----                         |        |          |               |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015776.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 20:43  
Operator : YP\AJ  
Sample : Q1877-01MS  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

AU-6-042425MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e

Quant Time: Apr 30 01:22:04 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M

Quant Title :

QLast Update : Thu Apr 24 12:54:09 2025

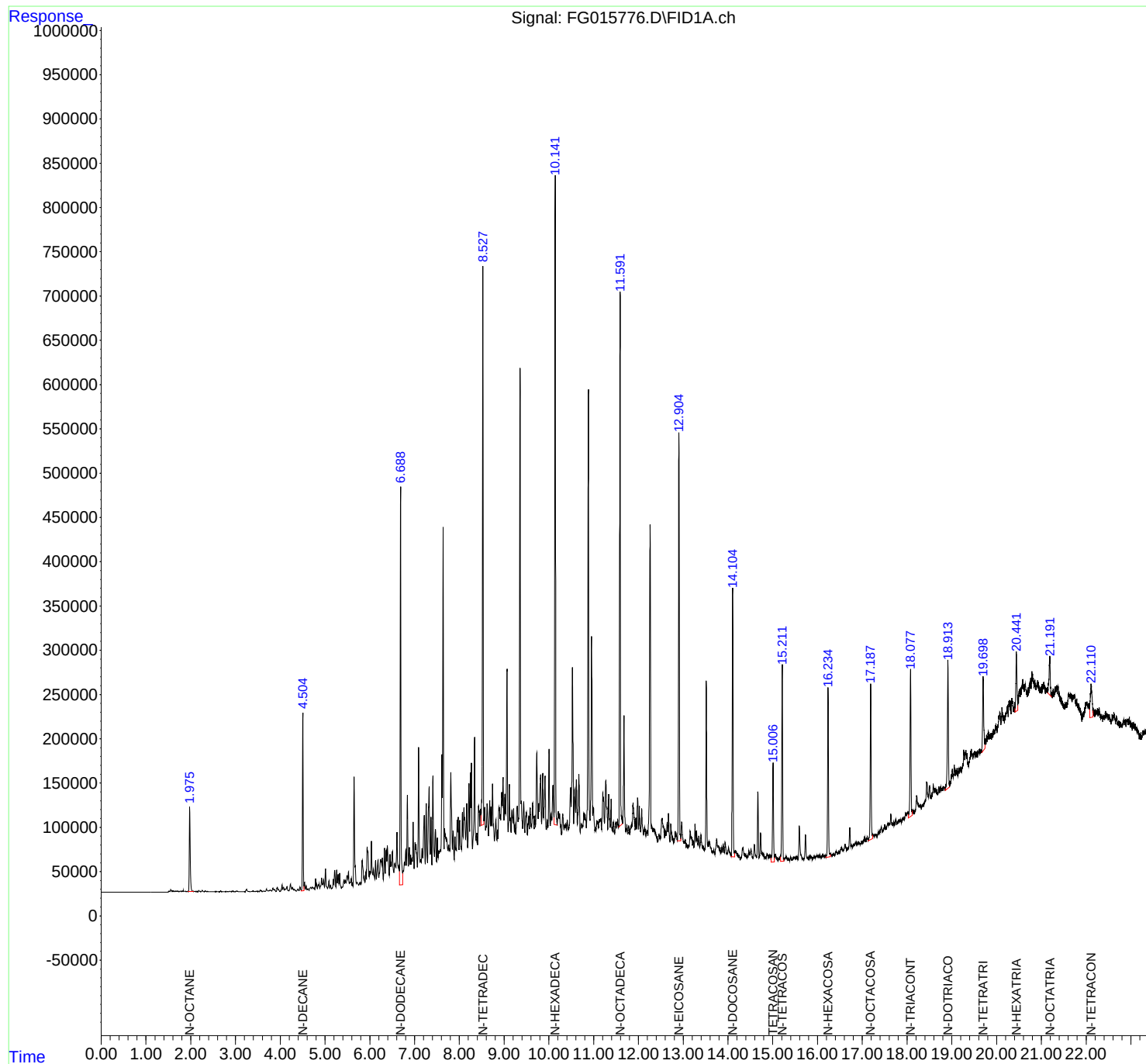
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1uL

Signal Phase : Rxi-1ms

Signal Info : 20mx0.18mmx0.18um





Instrument :

FID\_G

ClientSampleId :

AU-6-042425MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04292

Data File : FG015776.D

Signal(s) : FID1A.ch

Acq On : 29 Apr 2025 20:43

Sample : Q1877-01MS

Misc :

ALS Vial : 29 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M

Title :

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         | 1.920       | 1.900        | 1.941      | BV       | 230            | 3565         | 0.03%          | 0.001%        |
| 2         | 1.976       | 1.941        | 2.098      | VV       | 95528          | 1383472      | 12.93%         | 0.300%        |
| 3         | 2.099       | 2.098        | 2.108      | VV       | 243            | 1037         | 0.01%          | 0.000%        |
| 4         | 2.111       | 2.108        | 2.133      | VV       | 199            | 1678         | 0.02%          | 0.000%        |
| 5         | 2.137       | 2.133        | 2.150      | VV       | 157            | 1209         | 0.01%          | 0.000%        |
| 6         | 2.154       | 2.150        | 2.167      | VV       | 181            | 1310         | 0.01%          | 0.000%        |
| 7         | 2.180       | 2.167        | 2.240      | VV       | 1301           | 19794        | 0.18%          | 0.004%        |
| 8         | 2.258       | 2.240        | 2.296      | VV       | 1796           | 23269        | 0.22%          | 0.005%        |
| 9         | 2.326       | 2.296        | 2.377      | VV       | 752            | 16340        | 0.15%          | 0.004%        |
| 10        | 2.382       | 2.377        | 2.405      | VV       | 235            | 2477         | 0.02%          | 0.001%        |
| 11        | 2.422       | 2.405        | 2.431      | VV       | 161            | 1581         | 0.01%          | 0.000%        |
| 12        | 2.434       | 2.431        | 2.456      | VV       | 106            | 622          | 0.01%          | 0.000%        |
| 13        | 2.461       | 2.456        | 2.493      | VV       | 100            | 963          | 0.01%          | 0.000%        |
| 14        | 2.504       | 2.493        | 2.514      | VV       | 103            | 589          | 0.01%          | 0.000%        |
| 15        | 2.554       | 2.514        | 2.597      | PV       | 402            | 9176         | 0.09%          | 0.002%        |
| 16        | 2.600       | 2.597        | 2.617      | VV       | 165            | 1440         | 0.01%          | 0.000%        |
| 17        | 2.622       | 2.617        | 2.642      | VV       | 59             | 741          | 0.01%          | 0.000%        |
| 18        | 2.674       | 2.642        | 2.724      | PV       | 734            | 15884        | 0.15%          | 0.003%        |
| 19        | 2.745       | 2.724        | 2.758      | VV       | 261            | 2782         | 0.03%          | 0.001%        |
| 20        | 2.792       | 2.758        | 2.811      | VV       | 432            | 7984         | 0.07%          | 0.002%        |
| 21        | 2.821       | 2.811        | 2.834      | VV       | 155            | 1113         | 0.01%          | 0.000%        |
| 22        | 2.876       | 2.834        | 2.901      | VV       | 647            | 11928        | 0.11%          | 0.003%        |
| 23        | 2.938       | 2.901        | 2.981      | VV       | 1020           | 19970        | 0.19%          | 0.004%        |
| 24        | 3.021       | 2.981        | 3.041      | VV       | 1016           | 19560        | 0.18%          | 0.004%        |
| 25        | 3.045       | 3.041        | 3.071      | VV       | 496            | 5917         | 0.06%          | 0.001%        |
| 26        | 3.079       | 3.071        | 3.090      | VV       | 204            | 1564         | 0.01%          | 0.000%        |
| 27        | 3.094       | 3.090        | 3.098      | VV       | 174            | 716          | 0.01%          | 0.000%        |
| 28        | 3.112       | 3.098        | 3.132      | VV       | 261            | 3187         | 0.03%          | 0.001%        |
| 29        | 3.135       | 3.132        | 3.140      | VV       | 128            | 394          | 0.00%          | 0.000%        |
| 30        | 3.164       | 3.140        | 3.177      | VV       | 187            | 3125         | 0.03%          | 0.001%        |
| 31        | 3.199       | 3.177        | 3.214      | VV       | 361            | 4952         | 0.05%          | 0.001%        |
| 32        | 3.244       | 3.214        | 3.283      | VV       | 2710           | 51615        | 0.48%          | 0.011%        |
| 33        | 3.286       | 3.283        | 3.323      | VV       | 410            | 5738         | 0.05%          | 0.001%        |
| 34        | 3.327       | 3.323        | 3.331      | VV       | 73             | 234          | 0.00%          | 0.000%        |
| 35        | 3.363       | 3.331        | 3.368      | PV       | 439            | 5264         | 0.05%          | 0.001%        |
| 36        | 3.383       | 3.368        | 3.400      | VV       | 786            | 10946        | 0.10%          | 0.002%        |

|                                          |       |       |       |       |        |         |        |        |  |
|------------------------------------------|-------|-------|-------|-------|--------|---------|--------|--------|--|
| Instrument : FID_G                       |       |       |       |       |        |         |        |        |  |
| ClientSampleId : AU-6-042425MS           |       |       |       |       |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |       |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |       |       |       |       |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |       |       |       |       |        |         |        |        |  |
|                                          |       |       |       | rters |        |         |        |        |  |
| 37                                       | 3.415 | 3.400 | 3.439 | VV    | 594    | 8086    | 0.08%  | 0.002% |  |
| 38                                       | 3.452 | 3.439 | 3.472 | VV    | 422    | 5808    |        |        |  |
| 39                                       | 3.488 | 3.472 | 3.507 | VV    | 463    | 6161    |        |        |  |
| 40                                       | 3.526 | 3.507 | 3.537 | VV    | 506    | 5300    |        |        |  |
| 41                                       | 3.557 | 3.537 | 3.600 | VV    | 2000   | 31558   |        |        |  |
| 42                                       | 3.615 | 3.600 | 3.625 | VV    | 609    | 6237    |        |        |  |
| 43                                       | 3.637 | 3.625 | 3.657 | VV    | 719    | 9630    | 0.09%  | 0.002% |  |
| 44                                       | 3.661 | 3.657 | 3.671 | VV    | 293    | 2210    | 0.02%  | 0.000% |  |
| 45                                       | 3.692 | 3.671 | 3.732 | VV    | 2826   | 50827   | 0.48%  | 0.011% |  |
| 46                                       | 3.775 | 3.732 | 3.808 | VV    | 1866   | 48981   | 0.46%  | 0.011% |  |
| 47                                       | 3.834 | 3.808 | 3.850 | VV    | 4048   | 57731   | 0.54%  | 0.013% |  |
| 48                                       | 3.858 | 3.850 | 3.867 | VV    | 2261   | 21434   | 0.20%  | 0.005% |  |
| 49                                       | 3.877 | 3.867 | 3.910 | VV    | 2377   | 30311   | 0.28%  | 0.007% |  |
| 50                                       | 3.933 | 3.910 | 3.956 | VV    | 4899   | 76246   | 0.71%  | 0.017% |  |
| 51                                       | 3.962 | 3.956 | 3.995 | VV    | 2299   | 28110   | 0.26%  | 0.006% |  |
| 52                                       | 4.040 | 3.995 | 4.058 | PV    | 7508   | 106873  | 1.00%  | 0.023% |  |
| 53                                       | 4.074 | 4.058 | 4.093 | VV    | 4852   | 67251   | 0.63%  | 0.015% |  |
| 54                                       | 4.114 | 4.093 | 4.128 | VV    | 2593   | 47127   | 0.44%  | 0.010% |  |
| 55                                       | 4.151 | 4.128 | 4.172 | VV    | 5640   | 87966   | 0.82%  | 0.019% |  |
| 56                                       | 4.182 | 4.172 | 4.197 | VV    | 1022   | 12981   | 0.12%  | 0.003% |  |
| 57                                       | 4.227 | 4.197 | 4.256 | VV    | 8133   | 153406  | 1.43%  | 0.033% |  |
| 58                                       | 4.273 | 4.256 | 4.301 | VV    | 4624   | 82659   | 0.77%  | 0.018% |  |
| 59                                       | 4.312 | 4.301 | 4.330 | VV    | 2253   | 30604   | 0.29%  | 0.007% |  |
| 60                                       | 4.337 | 4.330 | 4.359 | VV    | 1279   | 12729   | 0.12%  | 0.003% |  |
| 61                                       | 4.394 | 4.359 | 4.423 | PV    | 2591   | 45102   | 0.42%  | 0.010% |  |
| 62                                       | 4.442 | 4.423 | 4.468 | VV    | 4482   | 62092   | 0.58%  | 0.013% |  |
| 63                                       | 4.504 | 4.468 | 4.530 | VV    | 201378 | 2160102 | 20.19% | 0.469% |  |
| 64                                       | 4.542 | 4.530 | 4.561 | VV    | 9545   | 112971  | 1.06%  | 0.025% |  |
| 65                                       | 4.579 | 4.561 | 4.600 | VV    | 5502   | 71150   | 0.66%  | 0.015% |  |
| 66                                       | 4.614 | 4.600 | 4.643 | VV    | 1947   | 29775   | 0.28%  | 0.006% |  |
| 67                                       | 4.679 | 4.643 | 4.699 | VV    | 3576   | 78286   | 0.73%  | 0.017% |  |
| 68                                       | 4.715 | 4.699 | 4.745 | VV    | 3749   | 74428   | 0.70%  | 0.016% |  |
| 69                                       | 4.757 | 4.745 | 4.771 | VV    | 2754   | 28733   | 0.27%  | 0.006% |  |
| 70                                       | 4.790 | 4.771 | 4.803 | VV    | 13140  | 136735  | 1.28%  | 0.030% |  |
| 71                                       | 4.811 | 4.803 | 4.828 | VV    | 6730   | 67154   | 0.63%  | 0.015% |  |
| 72                                       | 4.847 | 4.828 | 4.857 | VV    | 5827   | 75328   | 0.70%  | 0.016% |  |
| 73                                       | 4.868 | 4.857 | 4.884 | VV    | 6789   | 75673   | 0.71%  | 0.016% |  |
| 74                                       | 4.924 | 4.884 | 4.952 | VV    | 13380  | 260056  | 2.43%  | 0.056% |  |
| 75                                       | 4.968 | 4.952 | 4.989 | VV    | 11360  | 161895  | 1.51%  | 0.035% |  |
| 76                                       | 5.011 | 4.989 | 5.056 | VV    | 23433  | 344973  | 3.22%  | 0.075% |  |
| 77                                       | 5.087 | 5.056 | 5.106 | VV    | 9519   | 126676  | 1.18%  | 0.027% |  |
| 78                                       | 5.121 | 5.106 | 5.146 | VV    | 4409   | 55339   | 0.52%  | 0.012% |  |
| 79                                       | 5.185 | 5.146 | 5.198 | VV    | 11154  | 131107  | 1.23%  | 0.028% |  |
| 80                                       | 5.216 | 5.198 | 5.243 | VV    | 21142  | 330529  | 3.09%  | 0.072% |  |
| 81                                       | 5.261 | 5.243 | 5.277 | VV    | 21336  | 243380  | 2.27%  | 0.053% |  |
| 82                                       | 5.294 | 5.277 | 5.312 | VV    | 16083  | 220304  | 2.06%  | 0.048% |  |
| 83                                       | 5.328 | 5.312 | 5.365 | VV    | 17369  | 227640  | 2.13%  | 0.049% |  |
| 84                                       | 5.379 | 5.365 | 5.385 | VV    | 1571   | 11522   | 0.11%  | 0.003% |  |
| 85                                       | 5.425 | 5.385 | 5.438 | VV    | 9661   | 168076  | 1.57%  | 0.036% |  |
| 86                                       | 5.452 | 5.438 | 5.470 | VV    | 8884   | 134663  | 1.26%  | 0.029% |  |
| 87                                       | 5.493 | 5.470 | 5.512 | VV    | 14242  | 280049  | 2.62%  | 0.061% |  |
| 88                                       | 5.524 | 5.512 | 5.541 | VV    | 18461  | 217881  | 2.04%  | 0.047% |  |
| 89                                       | 5.549 | 5.541 | 5.561 | VV    | 6366   | 71463   | 0.67%  | 0.016% |  |

|                                          |       |       |       |    |        |         |        |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|--------|--------|--|
| Instrument : FID_G                       |       |       |       |    |        |         |        |        |  |
| ClientSampleId : AU-6-042425MS           |       |       |       |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |       |       |       |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |       |       |       |    |        |         |        |        |  |
| 90                                       | 5.587 | 5.561 | 5.603 | VV | 10783  | 172668  | 1.61%  | 0.037% |  |
| 91                                       | 5.614 | 5.603 | 5.626 | VV | 5434   | 53940   |        |        |  |
| 92                                       | 5.650 | 5.626 | 5.700 | VV | 125217 | 1831376 | 17.22% | 0.037% |  |
| 93                                       | 5.718 | 5.700 | 5.753 | VV | 5485   | 143081  | 1.61%  | 0.037% |  |
| 94                                       | 5.777 | 5.753 | 5.789 | VV | 5366   | 84654   | 6.11%  | 0.037% |  |
| 95                                       | 5.801 | 5.789 | 5.809 | VV | 5523   | 54268   | 6.11%  | 0.037% |  |
| 96                                       | 5.830 | 5.809 | 5.866 | VV | 30458  | 653918  | 6.11%  | 0.142% |  |
| 97                                       | 5.874 | 5.866 | 5.892 | VV | 12255  | 143608  | 1.34%  | 0.031% |  |
| 98                                       | 5.913 | 5.892 | 5.924 | VV | 17459  | 210969  | 1.97%  | 0.046% |  |
| 99                                       | 5.941 | 5.924 | 5.951 | VV | 45154  | 516450  | 4.83%  | 0.112% |  |
| 100                                      | 5.956 | 5.951 | 5.987 | VV | 40109  | 581319  | 5.43%  | 0.126% |  |
| 101                                      | 5.997 | 5.987 | 6.007 | VV | 17960  | 183948  | 1.72%  | 0.040% |  |
| 102                                      | 6.037 | 6.007 | 6.069 | VV | 51541  | 915104  | 8.55%  | 0.199% |  |
| 103                                      | 6.082 | 6.069 | 6.112 | VV | 19602  | 361701  | 3.38%  | 0.078% |  |
| 104                                      | 6.129 | 6.112 | 6.147 | VV | 29203  | 377134  | 3.52%  | 0.082% |  |
| 105                                      | 6.182 | 6.147 | 6.202 | VV | 29371  | 612489  | 5.72%  | 0.133% |  |
| 106                                      | 6.244 | 6.202 | 6.271 | VV | 30009  | 915489  | 8.56%  | 0.199% |  |
| 107                                      | 6.282 | 6.271 | 6.301 | VV | 31977  | 394129  | 3.68%  | 0.086% |  |
| 108                                      | 6.328 | 6.301 | 6.346 | VV | 42461  | 633985  | 5.93%  | 0.138% |  |
| 109                                      | 6.367 | 6.346 | 6.380 | VV | 40183  | 633144  | 5.92%  | 0.137% |  |
| 110                                      | 6.394 | 6.380 | 6.436 | VV | 45231  | 975313  | 9.12%  | 0.212% |  |
| 111                                      | 6.452 | 6.436 | 6.466 | VV | 35438  | 446324  | 4.17%  | 0.097% |  |
| 112                                      | 6.476 | 6.466 | 6.485 | VV | 24975  | 262196  | 2.45%  | 0.057% |  |
| 113                                      | 6.506 | 6.485 | 6.539 | VV | 38351  | 847783  | 7.92%  | 0.184% |  |
| 114                                      | 6.558 | 6.539 | 6.582 | VV | 24623  | 540806  | 5.05%  | 0.117% |  |
| 115                                      | 6.608 | 6.582 | 6.641 | VV | 59850  | 1162134 | 10.86% | 0.252% |  |
| 116                                      | 6.652 | 6.641 | 6.663 | VV | 21400  | 259255  | 2.42%  | 0.056% |  |
| 117                                      | 6.688 | 6.663 | 6.734 | VV | 450099 | 5192899 | 48.53% | 1.127% |  |
| 118                                      | 6.748 | 6.734 | 6.753 | VV | 15458  | 166400  | 1.56%  | 0.036% |  |
| 119                                      | 6.773 | 6.753 | 6.787 | VV | 25841  | 425586  | 3.98%  | 0.092% |  |
| 120                                      | 6.804 | 6.787 | 6.820 | VV | 39030  | 620493  | 5.80%  | 0.135% |  |
| 121                                      | 6.840 | 6.820 | 6.864 | VV | 100950 | 1414699 | 13.22% | 0.307% |  |
| 122                                      | 6.885 | 6.864 | 6.902 | VV | 41633  | 731389  | 6.84%  | 0.159% |  |
| 123                                      | 6.914 | 6.902 | 6.926 | VV | 32917  | 399688  | 3.74%  | 0.087% |  |
| 124                                      | 6.942 | 6.926 | 6.952 | VV | 29546  | 429455  | 4.01%  | 0.093% |  |
| 125                                      | 6.969 | 6.952 | 6.991 | VV | 70080  | 954199  | 8.92%  | 0.207% |  |
| 126                                      | 7.013 | 6.991 | 7.023 | VV | 46846  | 647737  | 6.05%  | 0.141% |  |
| 127                                      | 7.032 | 7.023 | 7.063 | VV | 44528  | 847394  | 7.92%  | 0.184% |  |
| 128                                      | 7.091 | 7.063 | 7.123 | VV | 153252 | 2292808 | 21.43% | 0.498% |  |
| 129                                      | 7.136 | 7.123 | 7.149 | VV | 27073  | 387273  | 3.62%  | 0.084% |  |
| 130                                      | 7.168 | 7.149 | 7.184 | VV | 39853  | 677221  | 6.33%  | 0.147% |  |
| 131                                      | 7.218 | 7.184 | 7.238 | VV | 77154  | 1670023 | 15.61% | 0.362% |  |
| 132                                      | 7.261 | 7.238 | 7.291 | VV | 90258  | 1551098 | 14.50% | 0.337% |  |
| 133                                      | 7.326 | 7.291 | 7.352 | VV | 108824 | 2449884 | 22.90% | 0.532% |  |
| 134                                      | 7.368 | 7.352 | 7.387 | VV | 74452  | 982082  | 9.18%  | 0.213% |  |
| 135                                      | 7.410 | 7.387 | 7.446 | VV | 120552 | 2077553 | 19.42% | 0.451% |  |
| 136                                      | 7.469 | 7.446 | 7.492 | VV | 60255  | 1182862 | 11.05% | 0.257% |  |
| 137                                      | 7.510 | 7.492 | 7.526 | VV | 50758  | 775720  | 7.25%  | 0.168% |  |
| 138                                      | 7.539 | 7.526 | 7.549 | VV | 35951  | 451030  | 4.22%  | 0.098% |  |
| 139                                      | 7.563 | 7.549 | 7.570 | VV | 35276  | 428203  | 4.00%  | 0.093% |  |
| 140                                      | 7.579 | 7.570 | 7.586 | VV | 37084  | 359245  | 3.36%  | 0.078% |  |
| 141                                      | 7.612 | 7.586 | 7.622 | VV | 144171 | 1840901 | 17.20% | 0.400% |  |

|                                          |       |       |       |    |        |         |        |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|--------|--------|--|
| Instrument : FID_G                       |       |       |       |    |        |         |        |        |  |
| ClientSampleId : AU-6-042425MS           |       |       |       |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |       |       |       |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |       |       |       |    |        |         |        |        |  |
| rteres                                   |       |       |       |    |        |         |        |        |  |
| 142                                      | 7.639 | 7.622 | 7.660 | VV | 400742 | 4594433 | 42.94% | 0.997% |  |
| 143                                      | 7.672 | 7.660 | 7.683 | VV | 60511  | 748722  |        |        |  |
| 144                                      | 7.689 | 7.683 | 7.700 | VV | 53181  | 513181  |        |        |  |
| 145                                      | 7.705 | 7.700 | 7.717 | VV | 50808  | 496992  |        |        |  |
| 146                                      | 7.723 | 7.717 | 7.747 | VV | 47577  | 739103  |        |        |  |
| 147                                      | 7.761 | 7.747 | 7.777 | VV | 41495  | 691938  |        |        |  |
| 148                                      | 7.781 | 7.777 | 7.788 | VV | 36274  | 231194  | 2.16%  | 0.050% |  |
| 149                                      | 7.811 | 7.788 | 7.846 | VV | 123451 | 2603382 | 24.33% | 0.565% |  |
| 150                                      | 7.863 | 7.846 | 7.887 | VV | 57230  | 1044958 | 9.77%  | 0.227% |  |
| 151                                      | 7.905 | 7.887 | 7.919 | VV | 50131  | 750202  | 7.01%  | 0.163% |  |
| 152                                      | 7.926 | 7.919 | 7.936 | VV | 37148  | 377556  | 3.53%  | 0.082% |  |
| 153                                      | 7.952 | 7.936 | 7.963 | VV | 69496  | 888027  | 8.30%  | 0.193% |  |
| 154                                      | 7.976 | 7.963 | 7.993 | VV | 72190  | 1067861 | 9.98%  | 0.232% |  |
| 155                                      | 8.008 | 7.993 | 8.049 | VV | 68750  | 1571034 | 14.68% | 0.341% |  |
| 156                                      | 8.069 | 8.049 | 8.085 | VV | 77765  | 1258362 | 11.76% | 0.273% |  |
| 157                                      | 8.103 | 8.085 | 8.116 | VV | 82678  | 1258785 | 11.76% | 0.273% |  |
| 158                                      | 8.123 | 8.116 | 8.141 | VV | 71658  | 942279  | 8.81%  | 0.204% |  |
| 159                                      | 8.167 | 8.141 | 8.187 | VV | 87341  | 1652245 | 15.44% | 0.359% |  |
| 160                                      | 8.215 | 8.187 | 8.231 | VV | 109558 | 1884991 | 17.62% | 0.409% |  |
| 161                                      | 8.248 | 8.231 | 8.259 | VV | 121861 | 1551541 | 14.50% | 0.337% |  |
| 162                                      | 8.271 | 8.259 | 8.297 | VV | 132544 | 1819889 | 17.01% | 0.395% |  |
| 163                                      | 8.342 | 8.297 | 8.375 | VV | 161561 | 3485465 | 32.57% | 0.756% |  |
| 164                                      | 8.391 | 8.375 | 8.410 | VV | 52993  | 1015180 | 9.49%  | 0.220% |  |
| 165                                      | 8.429 | 8.410 | 8.457 | VV | 83936  | 1940709 | 18.14% | 0.421% |  |
| 166                                      | 8.473 | 8.457 | 8.484 | VV | 79264  | 1173912 | 10.97% | 0.255% |  |
| 167                                      | 8.527 | 8.484 | 8.549 | VV | 692371 | 9448492 | 88.31% | 2.051% |  |
| 168                                      | 8.569 | 8.549 | 8.587 | VV | 81673  | 1620652 | 15.15% | 0.352% |  |
| 169                                      | 8.622 | 8.587 | 8.652 | VV | 84987  | 2567050 | 23.99% | 0.557% |  |
| 170                                      | 8.680 | 8.652 | 8.696 | VV | 88983  | 1868732 | 17.47% | 0.406% |  |
| 171                                      | 8.709 | 8.696 | 8.725 | VV | 81408  | 1221153 | 11.41% | 0.265% |  |
| 172                                      | 8.743 | 8.725 | 8.787 | VV | 107692 | 2589692 | 24.20% | 0.562% |  |
| 173                                      | 8.816 | 8.787 | 8.839 | VV | 66770  | 1714208 | 16.02% | 0.372% |  |
| 174                                      | 8.852 | 8.839 | 8.864 | VV | 55610  | 756400  | 7.07%  | 0.164% |  |
| 175                                      | 8.884 | 8.864 | 8.890 | VV | 79593  | 1029223 | 9.62%  | 0.223% |  |
| 176                                      | 8.897 | 8.890 | 8.910 | VV | 80560  | 920810  | 8.61%  | 0.200% |  |
| 177                                      | 8.917 | 8.910 | 8.926 | VV | 72651  | 676956  | 6.33%  | 0.147% |  |
| 178                                      | 8.948 | 8.926 | 8.962 | VV | 97357  | 1817439 | 16.99% | 0.394% |  |
| 179                                      | 8.978 | 8.962 | 8.997 | VV | 113847 | 1977936 | 18.49% | 0.429% |  |
| 180                                      | 9.019 | 8.997 | 9.032 | VV | 95248  | 1686205 | 15.76% | 0.366% |  |
| 181                                      | 9.066 | 9.032 | 9.090 | VV | 236102 | 4273396 | 39.94% | 0.927% |  |
| 182                                      | 9.118 | 9.090 | 9.135 | VV | 105976 | 2017463 | 18.86% | 0.438% |  |
| 183                                      | 9.142 | 9.135 | 9.156 | VV | 67861  | 784318  | 7.33%  | 0.170% |  |
| 184                                      | 9.173 | 9.156 | 9.199 | VV | 75427  | 1735316 | 16.22% | 0.377% |  |
| 185                                      | 9.214 | 9.199 | 9.231 | VV | 78080  | 1291823 | 12.07% | 0.280% |  |
| 186                                      | 9.247 | 9.231 | 9.262 | VV | 60188  | 1013949 | 9.48%  | 0.220% |  |
| 187                                      | 9.293 | 9.262 | 9.312 | VV | 80721  | 2085491 | 19.49% | 0.453% |  |
| 188                                      | 9.356 | 9.312 | 9.378 | VV | 573744 | 8162675 | 76.29% | 1.772% |  |
| 189                                      | 9.382 | 9.378 | 9.417 | VV | 86372  | 1668336 | 15.59% | 0.362% |  |
| 190                                      | 9.440 | 9.417 | 9.463 | VV | 85289  | 1910375 | 17.85% | 0.415% |  |
| 191                                      | 9.499 | 9.463 | 9.520 | VV | 72265  | 2135517 | 19.96% | 0.463% |  |
| 192                                      | 9.552 | 9.520 | 9.566 | VV | 68741  | 1639683 | 15.32% | 0.356% |  |
| 193                                      | 9.583 | 9.566 | 9.606 | VV | 77738  | 1562512 | 14.60% | 0.339% |  |
| 194                                      | 9.637 | 9.606 | 9.671 | VV | 83202  | 2584329 | 24.15% | 0.561% |  |

|     |        |        |        |    |        |          |         |                                   |                                                                                                                     |
|-----|--------|--------|--------|----|--------|----------|---------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|
|     |        |        |        |    |        |          |         | Instrument :<br>FID_G             |                                                                                                                     |
|     |        |        |        |    |        |          |         | ClientSampleId :<br>AU-6-042425MS |                                                                                                                     |
| 195 | 9.686  | 9.671  | 9.700  | VV | 68466  | 1055465  | 9.86%   | 0.229%                            | Manual IntegrationsAPPROVED<br><br>Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |
| 196 | 9.730  | 9.700  | 9.763  | VV | 139496 | 3474697  | 32.00%  | 0.229%                            |                                                                                                                     |
| 197 | 9.775  | 9.763  | 9.786  | VV | 80854  | 1043748  | 9.86%   | 0.229%                            |                                                                                                                     |
| 198 | 9.817  | 9.786  | 9.839  | VV | 113467 | 2897560  | 27.00%  | 0.229%                            |                                                                                                                     |
| 199 | 9.863  | 9.839  | 9.882  | VV | 116080 | 2163082  | 20.00%  | 0.229%                            |                                                                                                                     |
| 200 | 9.915  | 9.882  | 9.947  | VV | 112605 | 3053637  | 28.00%  | 0.229%                            |                                                                                                                     |
| 201 | 9.962  | 9.947  | 9.979  | VV | 63011  | 1113054  | 10.40%  | 0.242%                            |                                                                                                                     |
| 202 | 10.004 | 9.979  | 10.033 | VV | 142927 | 2803589  | 26.20%  | 0.608%                            |                                                                                                                     |
| 203 | 10.047 | 10.033 | 10.068 | VV | 70080  | 1356254  | 12.68%  | 0.294%                            |                                                                                                                     |
| 204 | 10.092 | 10.068 | 10.115 | VV | 101647 | 2357926  | 22.04%  | 0.512%                            |                                                                                                                     |
| 205 | 10.142 | 10.115 | 10.188 | VV | 788072 | 10699817 | 100.00% | 2.322%                            |                                                                                                                     |
| 206 | 10.216 | 10.188 | 10.231 | VV | 71730  | 1717679  | 16.05%  | 0.373%                            |                                                                                                                     |
| 207 | 10.240 | 10.231 | 10.283 | VV | 68880  | 1812840  | 16.94%  | 0.393%                            |                                                                                                                     |
| 208 | 10.312 | 10.283 | 10.338 | VV | 69080  | 1900544  | 17.76%  | 0.412%                            |                                                                                                                     |
| 209 | 10.347 | 10.338 | 10.361 | VV | 55248  | 729354   | 6.82%   | 0.158%                            |                                                                                                                     |
| 210 | 10.375 | 10.361 | 10.394 | VV | 56746  | 1094014  | 10.22%  | 0.237%                            |                                                                                                                     |
| 211 | 10.410 | 10.394 | 10.433 | VV | 61258  | 1292142  | 12.08%  | 0.280%                            |                                                                                                                     |
| 212 | 10.485 | 10.433 | 10.500 | VV | 97841  | 2837832  | 26.52%  | 0.616%                            |                                                                                                                     |
| 213 | 10.528 | 10.500 | 10.556 | VV | 233225 | 4503893  | 42.09%  | 0.977%                            |                                                                                                                     |
| 214 | 10.580 | 10.556 | 10.599 | VV | 95910  | 2025631  | 18.93%  | 0.440%                            |                                                                                                                     |
| 215 | 10.617 | 10.599 | 10.637 | VV | 106779 | 1875032  | 17.52%  | 0.407%                            |                                                                                                                     |
| 216 | 10.673 | 10.637 | 10.701 | VV | 112007 | 2830710  | 26.46%  | 0.614%                            |                                                                                                                     |
| 217 | 10.719 | 10.701 | 10.734 | VV | 56597  | 1059253  | 9.90%   | 0.230%                            |                                                                                                                     |
| 218 | 10.744 | 10.734 | 10.753 | VV | 54122  | 614506   | 5.74%   | 0.133%                            |                                                                                                                     |
| 219 | 10.780 | 10.753 | 10.799 | VV | 68604  | 1673954  | 15.64%  | 0.363%                            |                                                                                                                     |
| 220 | 10.809 | 10.799 | 10.839 | VV | 66109  | 1448586  | 13.54%  | 0.314%                            |                                                                                                                     |
| 221 | 10.883 | 10.839 | 10.919 | VV | 546517 | 8555144  | 79.96%  | 1.857%                            |                                                                                                                     |
| 222 | 10.954 | 10.919 | 10.980 | VV | 265580 | 5085776  | 47.53%  | 1.104%                            |                                                                                                                     |
| 223 | 10.997 | 10.980 | 11.030 | VV | 74120  | 1882281  | 17.59%  | 0.409%                            |                                                                                                                     |
| 224 | 11.042 | 11.030 | 11.050 | VV | 49122  | 587058   | 5.49%   | 0.127%                            |                                                                                                                     |
| 225 | 11.071 | 11.050 | 11.083 | VV | 57707  | 1051656  | 9.83%   | 0.228%                            |                                                                                                                     |
| 226 | 11.091 | 11.083 | 11.109 | VV | 58004  | 870965   | 8.14%   | 0.189%                            |                                                                                                                     |
| 227 | 11.126 | 11.109 | 11.131 | VV | 59906  | 735295   | 6.87%   | 0.160%                            |                                                                                                                     |
| 228 | 11.138 | 11.131 | 11.144 | VV | 59928  | 471252   | 4.40%   | 0.102%                            |                                                                                                                     |
| 229 | 11.160 | 11.144 | 11.178 | VV | 60206  | 1147541  | 10.72%  | 0.249%                            |                                                                                                                     |
| 230 | 11.205 | 11.178 | 11.240 | VV | 90208  | 2739670  | 25.60%  | 0.595%                            |                                                                                                                     |
| 231 | 11.273 | 11.240 | 11.314 | VV | 102431 | 3359441  | 31.40%  | 0.729%                            |                                                                                                                     |
| 232 | 11.336 | 11.314 | 11.371 | VV | 87677  | 2182014  | 20.39%  | 0.474%                            |                                                                                                                     |
| 233 | 11.388 | 11.371 | 11.425 | VV | 81741  | 1919761  | 17.94%  | 0.417%                            |                                                                                                                     |
| 234 | 11.440 | 11.425 | 11.468 | VV | 56295  | 1292535  | 12.08%  | 0.281%                            |                                                                                                                     |
| 235 | 11.495 | 11.468 | 11.513 | VV | 54896  | 1367217  | 12.78%  | 0.297%                            |                                                                                                                     |
| 236 | 11.536 | 11.513 | 11.556 | VV | 58512  | 1404849  | 13.13%  | 0.305%                            |                                                                                                                     |
| 237 | 11.591 | 11.556 | 11.647 | VV | 652637 | 10100188 | 94.40%  | 2.192%                            |                                                                                                                     |
| 238 | 11.678 | 11.647 | 11.715 | VV | 175300 | 3805841  | 35.57%  | 0.826%                            |                                                                                                                     |
| 239 | 11.741 | 11.715 | 11.765 | VV | 51895  | 1392288  | 13.01%  | 0.302%                            |                                                                                                                     |
| 240 | 11.782 | 11.765 | 11.803 | VV | 50934  | 1082202  | 10.11%  | 0.235%                            |                                                                                                                     |
| 241 | 11.832 | 11.803 | 11.836 | VV | 50179  | 907290   | 8.48%   | 0.197%                            |                                                                                                                     |
| 242 | 11.881 | 11.836 | 11.925 | VV | 76369  | 3156474  | 29.50%  | 0.685%                            |                                                                                                                     |
| 243 | 11.944 | 11.925 | 11.959 | VV | 59133  | 1076204  | 10.06%  | 0.234%                            |                                                                                                                     |
| 244 | 11.981 | 11.959 | 12.003 | VV | 81312  | 1690461  | 15.80%  | 0.367%                            |                                                                                                                     |
| 245 | 12.020 | 12.003 | 12.048 | VV | 72227  | 1519392  | 14.20%  | 0.330%                            |                                                                                                                     |
| 246 | 12.073 | 12.048 | 12.117 | VV | 69124  | 2089604  | 19.53%  | 0.453%                            |                                                                                                                     |

|                                          |        |        |        |    |        |         |        |        |  |
|------------------------------------------|--------|--------|--------|----|--------|---------|--------|--------|--|
| Instrument : FID_G                       |        |        |        |    |        |         |        |        |  |
| ClientSampleId : AU-6-042425MS           |        |        |        |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |        |        |        |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |        |        |        |    |        |         |        |        |  |
|                                          |        |        |        |    | rtures |         |        |        |  |
| 247                                      | 12.139 | 12.117 | 12.173 | VV | 48150  | 1446864 | 13.52% | 0.314% |  |
| 248                                      | 12.194 | 12.173 | 12.210 | VV | 44219  | 933365  |        |        |  |
| 249                                      | 12.261 | 12.210 | 12.290 | VV | 388752 | 6460155 | 60.81% | 0.314% |  |
| 250                                      | 12.299 | 12.290 | 12.315 | VV | 49063  | 699944  | 6.06%  | 0.314% |  |
| 251                                      | 12.332 | 12.315 | 12.353 | VV | 46424  | 1022050 | 9.91%  | 0.260% |  |
| 252                                      | 12.362 | 12.353 | 12.378 | VV | 44667  | 634756  | 5.91%  | 0.260% |  |
| 253                                      | 12.383 | 12.378 | 12.433 | VV | 40843  | 1196829 | 11.19% | 0.260% |  |
| 254                                      | 12.458 | 12.433 | 12.474 | VV | 39203  | 866998  | 8.10%  | 0.188% |  |
| 255                                      | 12.488 | 12.474 | 12.497 | VV | 36721  | 484520  | 4.53%  | 0.105% |  |
| 256                                      | 12.530 | 12.497 | 12.557 | VV | 57089  | 1809646 | 16.91% | 0.393% |  |
| 257                                      | 12.562 | 12.557 | 12.583 | VV | 48038  | 675016  | 6.31%  | 0.146% |  |
| 258                                      | 12.599 | 12.583 | 12.616 | VV | 42686  | 771411  | 7.21%  | 0.167% |  |
| 259                                      | 12.641 | 12.616 | 12.655 | VV | 52314  | 1045622 | 9.77%  | 0.227% |  |
| 260                                      | 12.671 | 12.655 | 12.706 | VV | 62267  | 1368381 | 12.79% | 0.297% |  |
| 261                                      | 12.723 | 12.706 | 12.793 | VV | 49736  | 1921294 | 17.96% | 0.417% |  |
| 262                                      | 12.822 | 12.793 | 12.869 | VV | 41112  | 1607223 | 15.02% | 0.349% |  |
| 263                                      | 12.904 | 12.869 | 12.945 | VV | 491901 | 7040829 | 65.80% | 1.528% |  |
| 264                                      | 12.966 | 12.945 | 13.006 | VV | 50880  | 1400451 | 13.09% | 0.304% |  |
| 265                                      | 13.020 | 13.006 | 13.030 | VV | 29021  | 411655  | 3.85%  | 0.089% |  |
| 266                                      | 13.048 | 13.030 | 13.069 | VV | 31056  | 654269  | 6.11%  | 0.142% |  |
| 267                                      | 13.077 | 13.069 | 13.083 | VV | 25045  | 205554  | 1.92%  | 0.045% |  |
| 268                                      | 13.087 | 13.083 | 13.103 | VV | 24917  | 275018  | 2.57%  | 0.060% |  |
| 269                                      | 13.118 | 13.103 | 13.131 | VV | 24699  | 398388  | 3.72%  | 0.086% |  |
| 270                                      | 13.153 | 13.131 | 13.170 | VV | 40317  | 790452  | 7.39%  | 0.172% |  |
| 271                                      | 13.175 | 13.170 | 13.209 | VV | 34377  | 733165  | 6.85%  | 0.159% |  |
| 272                                      | 13.222 | 13.209 | 13.242 | VV | 29697  | 513468  | 4.80%  | 0.111% |  |
| 273                                      | 13.263 | 13.242 | 13.283 | VV | 48246  | 860233  | 8.04%  | 0.187% |  |
| 274                                      | 13.295 | 13.283 | 13.310 | VV | 40329  | 586396  | 5.48%  | 0.127% |  |
| 275                                      | 13.314 | 13.310 | 13.331 | VV | 30781  | 355045  | 3.32%  | 0.077% |  |
| 276                                      | 13.346 | 13.331 | 13.375 | VV | 34328  | 721792  | 6.75%  | 0.157% |  |
| 277                                      | 13.396 | 13.375 | 13.428 | VV | 35929  | 893814  | 8.35%  | 0.194% |  |
| 278                                      | 13.445 | 13.428 | 13.467 | VV | 23396  | 490827  | 4.59%  | 0.107% |  |
| 279                                      | 13.515 | 13.467 | 13.546 | VV | 207342 | 3169460 | 29.62% | 0.688% |  |
| 280                                      | 13.555 | 13.546 | 13.568 | VV | 25435  | 322802  | 3.02%  | 0.070% |  |
| 281                                      | 13.586 | 13.568 | 13.642 | VV | 26468  | 955172  | 8.93%  | 0.207% |  |
| 282                                      | 13.647 | 13.642 | 13.650 | VV | 15663  | 69159   | 0.65%  | 0.015% |  |
| 283                                      | 13.654 | 13.650 | 13.662 | VV | 16796  | 118333  | 1.11%  | 0.026% |  |
| 284                                      | 13.682 | 13.662 | 13.704 | VV | 18564  | 384713  | 3.60%  | 0.083% |  |
| 285                                      | 13.747 | 13.704 | 13.766 | VV | 29728  | 810400  | 7.57%  | 0.176% |  |
| 286                                      | 13.770 | 13.766 | 13.779 | VV | 21588  | 170674  | 1.60%  | 0.037% |  |
| 287                                      | 13.791 | 13.779 | 13.810 | VV | 21720  | 366835  | 3.43%  | 0.080% |  |
| 288                                      | 13.823 | 13.810 | 13.843 | VV | 20130  | 332521  | 3.11%  | 0.072% |  |
| 289                                      | 13.860 | 13.843 | 13.876 | VV | 20311  | 335805  | 3.14%  | 0.073% |  |
| 290                                      | 13.894 | 13.876 | 13.922 | VV | 23042  | 484844  | 4.53%  | 0.105% |  |
| 291                                      | 13.941 | 13.922 | 13.973 | VV | 24310  | 545452  | 5.10%  | 0.118% |  |
| 292                                      | 14.011 | 13.973 | 14.042 | VV | 19769  | 625885  | 5.85%  | 0.136% |  |
| 293                                      | 14.045 | 14.042 | 14.073 | VV | 13965  | 224650  | 2.10%  | 0.049% |  |
| 294                                      | 14.104 | 14.073 | 14.148 | VV | 310864 | 4288376 | 40.08% | 0.931% |  |
| 295                                      | 14.159 | 14.148 | 14.171 | VV | 15201  | 189346  | 1.77%  | 0.041% |  |
| 296                                      | 14.179 | 14.171 | 14.201 | VV | 14155  | 228164  | 2.13%  | 0.050% |  |
| 297                                      | 14.219 | 14.201 | 14.238 | VV | 12059  | 222083  | 2.08%  | 0.048% |  |
| 298                                      | 14.245 | 14.238 | 14.271 | VV | 9085   | 148909  | 1.39%  | 0.032% |  |
| 299                                      | 14.330 | 14.271 | 14.359 | VV | 18069  | 598234  | 5.59%  | 0.130% |  |



|     |        |        |        |    |        |         |                                          |        |   |
|-----|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|     |        |        |        |    |        |         | Instrument :<br>FID_G                    |        | A |
|     |        |        |        |    |        |         | ClientSampleId :<br>AU-6-042425MS        |        |   |
| 300 | 14.370 | 14.359 | 14.383 | VV | 11219  | 145245  | 1.36%                                    | 0.032% | B |
| 301 | 14.397 | 14.383 | 14.420 | VV | 10876  | 196453  | Manual IntegrationsAPPROVED              |        | C |
| 302 | 14.437 | 14.420 | 14.448 | VV | 8710   | 126622  | Reviewed By :Yogesh Patel 04/30/2025     |        | D |
| 303 | 14.465 | 14.448 | 14.483 | VV | 14518  | 242478  | Supervised By :mohammad ahmed 05/02/2025 |        | E |
| 304 | 14.515 | 14.483 | 14.552 | VV | 15901  | 447409  |                                          |        | F |
| 305 | 14.589 | 14.552 | 14.639 | VV | 20944  | 572370  |                                          |        | G |
| 306 | 14.667 | 14.639 | 14.701 | VV | 79934  | 1179176 | 11.02%                                   | 0.256% | H |
| 307 | 14.727 | 14.701 | 14.757 | VV | 33317  | 581541  | 5.44%                                    | 0.126% | I |
| 308 | 14.760 | 14.757 | 14.776 | VV | 11128  | 114648  | 1.07%                                    | 0.025% | J |
| 309 | 14.789 | 14.776 | 14.823 | VV | 9795   | 218803  | 2.04%                                    | 0.047% |   |
| 310 | 14.845 | 14.823 | 14.852 | VV | 5721   | 85771   | 0.80%                                    | 0.019% |   |
| 311 | 14.872 | 14.852 | 14.905 | VV | 9253   | 230166  | 2.15%                                    | 0.050% |   |
| 312 | 14.923 | 14.905 | 14.938 | VV | 7448   | 130298  | 1.22%                                    | 0.028% |   |
| 313 | 14.952 | 14.938 | 14.968 | VV | 7333   | 112966  | 1.06%                                    | 0.025% |   |
| 314 | 15.005 | 14.968 | 15.037 | VV | 110847 | 1680625 | 15.71%                                   | 0.365% |   |
| 315 | 15.057 | 15.037 | 15.087 | VV | 8584   | 173970  | 1.63%                                    | 0.038% |   |
| 316 | 15.094 | 15.087 | 15.118 | VV | 4429   | 57931   | 0.54%                                    | 0.013% |   |
| 317 | 15.132 | 15.118 | 15.142 | VV | 3607   | 40610   | 0.38%                                    | 0.009% |   |
| 318 | 15.173 | 15.142 | 15.177 | VV | 6249   | 96044   | 0.90%                                    | 0.021% |   |
| 319 | 15.211 | 15.177 | 15.245 | VV | 222395 | 2970275 | 27.76%                                   | 0.645% |   |
| 320 | 15.251 | 15.245 | 15.262 | VV | 2945   | 29594   | 0.28%                                    | 0.006% |   |
| 321 | 15.302 | 15.262 | 15.328 | VV | 5514   | 142319  | 1.33%                                    | 0.031% |   |
| 322 | 15.343 | 15.328 | 15.368 | VV | 2889   | 48459   | 0.45%                                    | 0.011% |   |
| 323 | 15.373 | 15.368 | 15.381 | VV | 1215   | 6312    | 0.06%                                    | 0.001% |   |
| 324 | 15.403 | 15.381 | 15.429 | PV | 3877   | 63355   | 0.59%                                    | 0.014% |   |
| 325 | 15.485 | 15.429 | 15.502 | VV | 3858   | 112858  | 1.05%                                    | 0.024% |   |
| 326 | 15.517 | 15.502 | 15.532 | VV | 3708   | 56878   | 0.53%                                    | 0.012% |   |
| 327 | 15.545 | 15.532 | 15.565 | VV | 4497   | 54477   | 0.51%                                    | 0.012% |   |
| 328 | 15.592 | 15.565 | 15.664 | VV | 38399  | 710566  | 6.64%                                    | 0.154% |   |
| 329 | 15.669 | 15.664 | 15.684 | VV | 2344   | 18819   | 0.18%                                    | 0.004% |   |
| 330 | 15.729 | 15.684 | 15.763 | VV | 28076  | 441969  | 4.13%                                    | 0.096% |   |
| 331 | 15.769 | 15.763 | 15.780 | VV | 2877   | 25757   | 0.24%                                    | 0.006% |   |
| 332 | 15.783 | 15.780 | 15.811 | VV | 2588   | 36865   | 0.34%                                    | 0.008% |   |
| 333 | 15.830 | 15.811 | 15.849 | VV | 3561   | 62234   | 0.58%                                    | 0.014% |   |
| 334 | 15.863 | 15.849 | 15.889 | VV | 3750   | 53381   | 0.50%                                    | 0.012% |   |
| 335 | 15.914 | 15.889 | 15.929 | PV | 2328   | 38030   | 0.36%                                    | 0.008% |   |
| 336 | 15.955 | 15.929 | 15.960 | VV | 2250   | 35897   | 0.34%                                    | 0.008% |   |
| 337 | 15.990 | 15.960 | 16.013 | VV | 4054   | 85427   | 0.80%                                    | 0.019% |   |
| 338 | 16.018 | 16.013 | 16.023 | VV | 2086   | 10126   | 0.09%                                    | 0.002% |   |
| 339 | 16.029 | 16.023 | 16.032 | VV | 2796   | 11938   | 0.11%                                    | 0.003% |   |
| 340 | 16.058 | 16.032 | 16.079 | VV | 3272   | 58323   | 0.55%                                    | 0.013% |   |
| 341 | 16.086 | 16.079 | 16.090 | VV | 1231   | 6322    | 0.06%                                    | 0.001% |   |
| 342 | 16.120 | 16.090 | 16.150 | VV | 3615   | 80303   | 0.75%                                    | 0.017% |   |
| 343 | 16.165 | 16.150 | 16.180 | VV | 2517   | 35109   | 0.33%                                    | 0.008% |   |
| 344 | 16.185 | 16.180 | 16.189 | VV | 1867   | 8472    | 0.08%                                    | 0.002% |   |
| 345 | 16.195 | 16.189 | 16.201 | VV | 2161   | 12793   | 0.12%                                    | 0.003% |   |
| 346 | 16.234 | 16.201 | 16.288 | VV | 190362 | 2550227 | 23.83%                                   | 0.553% |   |
| 347 | 16.297 | 16.288 | 16.317 | VV | 3548   | 36859   | 0.34%                                    | 0.008% |   |
| 348 | 16.336 | 16.317 | 16.341 | VV | 2063   | 20663   | 0.19%                                    | 0.004% |   |
| 349 | 16.348 | 16.341 | 16.352 | VV | 2265   | 12382   | 0.12%                                    | 0.003% |   |
| 350 | 16.367 | 16.352 | 16.385 | VV | 1895   | 27674   | 0.26%                                    | 0.006% |   |
| 351 | 16.416 | 16.385 | 16.448 | PV | 4906   | 111960  | 1.05%                                    | 0.024% |   |

|     |        |        |        |    |        |         |        |        |  |
|-----|--------|--------|--------|----|--------|---------|--------|--------|--|
|     |        |        |        |    | rters  |         |        |        |  |
| 352 | 16.452 | 16.448 | 16.460 | VV | 1348   | 8421    | 0.08%  | 0.002% |  |
| 353 | 16.478 | 16.460 | 16.492 | VV | 2929   | 38184   |        |        |  |
| 354 | 16.534 | 16.492 | 16.563 | VV | 6357   | 167874  |        |        |  |
| 355 | 16.567 | 16.563 | 16.575 | VV | 2603   | 16414   |        |        |  |
| 356 | 16.615 | 16.575 | 16.651 | VV | 8608   | 189600  |        |        |  |
| 357 | 16.669 | 16.651 | 16.675 | VV | 2319   | 22371   |        |        |  |
| 358 | 16.720 | 16.675 | 16.746 | VV | 24880  | 393291  | 3.68%  | 0.085% |  |
| 359 | 16.760 | 16.746 | 16.784 | VV | 3648   | 55779   | 0.52%  | 0.012% |  |
| 360 | 16.801 | 16.784 | 16.815 | VV | 3357   | 43924   | 0.41%  | 0.010% |  |
| 361 | 16.820 | 16.815 | 16.826 | VV | 3674   | 18044   | 0.17%  | 0.004% |  |
| 362 | 16.854 | 16.826 | 16.861 | VV | 4472   | 77132   | 0.72%  | 0.017% |  |
| 363 | 16.866 | 16.861 | 16.874 | VV | 3942   | 22416   | 0.21%  | 0.005% |  |
| 364 | 16.880 | 16.874 | 16.886 | VV | 2619   | 18621   | 0.17%  | 0.004% |  |
| 365 | 16.893 | 16.886 | 16.899 | VV | 2867   | 18637   | 0.17%  | 0.004% |  |
| 366 | 16.928 | 16.899 | 16.944 | VV | 3782   | 77137   | 0.72%  | 0.017% |  |
| 367 | 16.947 | 16.944 | 16.957 | VV | 1738   | 8626    | 0.08%  | 0.002% |  |
| 368 | 16.997 | 16.957 | 17.006 | PV | 2755   | 43285   | 0.40%  | 0.009% |  |
| 369 | 17.046 | 17.006 | 17.089 | VV | 6684   | 146812  | 1.37%  | 0.032% |  |
| 370 | 17.111 | 17.089 | 17.131 | VV | 4705   | 71495   | 0.67%  | 0.016% |  |
| 371 | 17.187 | 17.131 | 17.230 | VV | 174804 | 2487640 | 23.25% | 0.540% |  |
| 372 | 17.242 | 17.230 | 17.274 | VV | 4111   | 84092   | 0.79%  | 0.018% |  |
| 373 | 17.282 | 17.274 | 17.290 | VV | 3421   | 26920   | 0.25%  | 0.006% |  |
| 374 | 17.297 | 17.290 | 17.302 | VV | 2220   | 13206   | 0.12%  | 0.003% |  |
| 375 | 17.310 | 17.302 | 17.324 | VV | 2871   | 20157   | 0.19%  | 0.004% |  |
| 376 | 17.360 | 17.324 | 17.382 | PV | 4210   | 82866   | 0.77%  | 0.018% |  |
| 377 | 17.392 | 17.382 | 17.396 | VV | 3964   | 28550   | 0.27%  | 0.006% |  |
| 378 | 17.423 | 17.396 | 17.457 | VV | 8684   | 183312  | 1.71%  | 0.040% |  |
| 379 | 17.502 | 17.457 | 17.530 | VV | 9006   | 224775  | 2.10%  | 0.049% |  |
| 380 | 17.534 | 17.530 | 17.540 | VV | 3355   | 20243   | 0.19%  | 0.004% |  |
| 381 | 17.568 | 17.540 | 17.588 | VV | 8613   | 199339  | 1.86%  | 0.043% |  |
| 382 | 17.596 | 17.588 | 17.614 | VV | 7854   | 106680  | 1.00%  | 0.023% |  |
| 383 | 17.639 | 17.614 | 17.659 | VV | 17306  | 286811  | 2.68%  | 0.062% |  |
| 384 | 17.667 | 17.659 | 17.690 | VV | 6582   | 96093   | 0.90%  | 0.021% |  |
| 385 | 17.704 | 17.690 | 17.723 | VV | 7205   | 95297   | 0.89%  | 0.021% |  |
| 386 | 17.753 | 17.723 | 17.770 | VV | 8018   | 167050  | 1.56%  | 0.036% |  |
| 387 | 17.787 | 17.770 | 17.793 | VV | 4621   | 52968   | 0.50%  | 0.011% |  |
| 388 | 17.820 | 17.793 | 17.835 | VV | 6145   | 120392  | 1.13%  | 0.026% |  |
| 389 | 17.844 | 17.835 | 17.874 | VV | 5159   | 99429   | 0.93%  | 0.022% |  |
| 390 | 17.905 | 17.874 | 17.917 | VV | 7001   | 115049  | 1.08%  | 0.025% |  |
| 391 | 17.935 | 17.917 | 17.943 | VV | 6583   | 72438   | 0.68%  | 0.016% |  |
| 392 | 17.966 | 17.943 | 17.987 | VV | 10379  | 195577  | 1.83%  | 0.042% |  |
| 393 | 18.021 | 17.987 | 18.031 | VV | 10218  | 223426  | 2.09%  | 0.048% |  |
| 394 | 18.077 | 18.031 | 18.120 | VV | 168858 | 2693208 | 25.17% | 0.584% |  |
| 395 | 18.123 | 18.120 | 18.135 | VV | 9375   | 66940   | 0.63%  | 0.015% |  |
| 396 | 18.149 | 18.135 | 18.167 | VV | 8361   | 128740  | 1.20%  | 0.028% |  |
| 397 | 18.213 | 18.167 | 18.238 | VV | 22976  | 574765  | 5.37%  | 0.125% |  |
| 398 | 18.247 | 18.238 | 18.274 | VV | 13914  | 252822  | 2.36%  | 0.055% |  |
| 399 | 18.295 | 18.274 | 18.319 | VV | 10812  | 253616  | 2.37%  | 0.055% |  |
| 400 | 18.334 | 18.319 | 18.339 | VV | 9736   | 92884   | 0.87%  | 0.020% |  |
| 401 | 18.343 | 18.339 | 18.350 | VV | 10156  | 60290   | 0.56%  | 0.013% |  |
| 402 | 18.361 | 18.350 | 18.376 | VV | 10205  | 135577  | 1.27%  | 0.029% |  |
| 403 | 18.408 | 18.376 | 18.414 | VV | 14497  | 264128  | 2.47%  | 0.057% |  |
| 404 | 18.438 | 18.414 | 18.443 | VV | 32351  | 399500  | 3.73%  | 0.087% |  |

Instrument :

FID\_G

ClientSampleId :

AU-6-042425MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025



|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 405 | 18.446 | 18.443 | 18.477 | VV | 32048  | 453012  | 4.23%  | 0.098% |
| 406 | 18.498 | 18.477 | 18.524 | VV | 27234  | 572352  |        |        |
| 407 | 18.530 | 18.524 | 18.545 | VV | 14631  | 167325  |        |        |
| 408 | 18.556 | 18.545 | 18.563 | VV | 18151  | 169365  |        |        |
| 409 | 18.584 | 18.563 | 18.605 | VV | 27238  | 522852  |        |        |
| 410 | 18.622 | 18.605 | 18.637 | VV | 21115  | 353887  |        |        |
| 411 | 18.645 | 18.637 | 18.655 | VV | 19380  | 194854  | 1.82%  | 0.042% |
| 412 | 18.667 | 18.655 | 18.677 | VV | 18193  | 203546  | 1.90%  | 0.044% |
| 413 | 18.683 | 18.677 | 18.689 | VV | 14370  | 92693   | 0.87%  | 0.020% |
| 414 | 18.711 | 18.689 | 18.720 | VV | 20441  | 308620  | 2.88%  | 0.067% |
| 415 | 18.752 | 18.720 | 18.768 | VV | 19585  | 487052  | 4.55%  | 0.106% |
| 416 | 18.782 | 18.768 | 18.788 | VV | 16816  | 186103  | 1.74%  | 0.040% |
| 417 | 18.795 | 18.788 | 18.805 | VV | 17175  | 159472  | 1.49%  | 0.035% |
| 418 | 18.814 | 18.805 | 18.822 | VV | 17557  | 173809  | 1.62%  | 0.038% |
| 419 | 18.828 | 18.822 | 18.840 | VV | 17369  | 174705  | 1.63%  | 0.038% |
| 420 | 18.848 | 18.840 | 18.854 | VV | 16267  | 127525  | 1.19%  | 0.028% |
| 421 | 18.913 | 18.854 | 18.949 | VV | 158527 | 3027217 | 28.29% | 0.657% |
| 422 | 18.957 | 18.949 | 18.964 | VV | 20872  | 155348  | 1.45%  | 0.034% |
| 423 | 18.989 | 18.964 | 18.995 | VV | 27542  | 401536  | 3.75%  | 0.087% |
| 424 | 19.011 | 18.995 | 19.034 | VV | 33043  | 638004  | 5.96%  | 0.138% |
| 425 | 19.054 | 19.034 | 19.077 | VV | 36804  | 777920  | 7.27%  | 0.169% |
| 426 | 19.086 | 19.077 | 19.103 | VV | 29289  | 425924  | 3.98%  | 0.092% |
| 427 | 19.113 | 19.103 | 19.124 | VV | 31053  | 328782  | 3.07%  | 0.071% |
| 428 | 19.132 | 19.124 | 19.140 | VV | 24811  | 236471  | 2.21%  | 0.051% |
| 429 | 19.153 | 19.140 | 19.167 | VV | 30342  | 432053  | 4.04%  | 0.094% |
| 430 | 19.177 | 19.167 | 19.190 | VV | 29323  | 382951  | 3.58%  | 0.083% |
| 431 | 19.196 | 19.190 | 19.203 | VV | 30758  | 205984  | 1.93%  | 0.045% |
| 432 | 19.215 | 19.203 | 19.222 | VV | 28828  | 309187  | 2.89%  | 0.067% |
| 433 | 19.239 | 19.222 | 19.245 | VV | 30791  | 405896  | 3.79%  | 0.088% |
| 434 | 19.264 | 19.245 | 19.274 | VV | 47685  | 667697  | 6.24%  | 0.145% |
| 435 | 19.276 | 19.274 | 19.288 | VV | 44894  | 347779  | 3.25%  | 0.075% |
| 436 | 19.302 | 19.288 | 19.309 | VV | 43806  | 523772  | 4.90%  | 0.114% |
| 437 | 19.315 | 19.309 | 19.332 | VV | 46614  | 590078  | 5.51%  | 0.128% |
| 438 | 19.340 | 19.332 | 19.367 | VV | 41525  | 709102  | 6.63%  | 0.154% |
| 439 | 19.416 | 19.367 | 19.427 | VV | 42374  | 1208609 | 11.30% | 0.262% |
| 440 | 19.438 | 19.427 | 19.453 | VV | 43812  | 625278  | 5.84%  | 0.136% |
| 441 | 19.460 | 19.453 | 19.469 | VV | 39120  | 369043  | 3.45%  | 0.080% |
| 442 | 19.479 | 19.469 | 19.487 | VV | 37614  | 383380  | 3.58%  | 0.083% |
| 443 | 19.494 | 19.487 | 19.500 | VV | 39076  | 304530  | 2.85%  | 0.066% |
| 444 | 19.504 | 19.500 | 19.508 | VV | 40200  | 185261  | 1.73%  | 0.040% |
| 445 | 19.515 | 19.508 | 19.524 | VV | 40074  | 339215  | 3.17%  | 0.074% |
| 446 | 19.543 | 19.524 | 19.549 | VV | 38941  | 536319  | 5.01%  | 0.116% |
| 447 | 19.555 | 19.549 | 19.560 | VV | 36878  | 244177  | 2.28%  | 0.053% |
| 448 | 19.568 | 19.560 | 19.575 | VV | 39671  | 322312  | 3.01%  | 0.070% |
| 449 | 19.583 | 19.575 | 19.589 | VV | 36543  | 273823  | 2.56%  | 0.059% |
| 450 | 19.605 | 19.589 | 19.614 | VV | 39165  | 559067  | 5.23%  | 0.121% |
| 451 | 19.624 | 19.614 | 19.641 | VV | 39781  | 616408  | 5.76%  | 0.134% |
| 452 | 19.655 | 19.641 | 19.665 | VV | 38730  | 510947  | 4.78%  | 0.111% |
| 453 | 19.699 | 19.665 | 19.742 | VV | 119620 | 3147646 | 29.42% | 0.683% |
| 454 | 19.749 | 19.742 | 19.756 | VV | 46861  | 368253  | 3.44%  | 0.080% |
| 455 | 19.775 | 19.756 | 19.790 | VV | 52251  | 943728  | 8.82%  | 0.205% |
| 456 | 19.817 | 19.790 | 19.825 | VV | 54555  | 1056327 | 9.87%  | 0.229% |

Instrument :

FID\_G

ClientSampleId :

AU-6-042425MS

4.23% 0.098%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 457    | 19.830 | 19.825 | 19.849 | VV | 53210  | 683401  | 6.39%  | 0.148% |  |
| 458    | 19.855 | 19.849 | 19.870 | VV | 51023  | 614942  |        |        |  |
| 459    | 19.876 | 19.870 | 19.888 | VV | 51568  | 506519  |        |        |  |
| 460    | 19.894 | 19.888 | 19.899 | VV | 47819  | 305428  |        |        |  |
| 461    | 19.904 | 19.899 | 19.911 | VV | 50538  | 355370  |        |        |  |
| 462    | 19.932 | 19.911 | 19.937 | VV | 53927  | 779970  |        |        |  |
| 463    | 19.942 | 19.937 | 19.947 | VV | 52185  | 294334  | 2.75%  | 0.064% |  |
| 464    | 19.954 | 19.947 | 19.964 | VV | 51684  | 510074  | 4.77%  | 0.111% |  |
| 465    | 19.971 | 19.964 | 19.975 | VV | 56879  | 369713  | 3.46%  | 0.080% |  |
| 466    | 19.985 | 19.975 | 19.992 | VV | 57711  | 561145  | 5.24%  | 0.122% |  |
| 467    | 20.002 | 19.992 | 20.012 | VV | 54718  | 616410  | 5.76%  | 0.134% |  |
| 468    | 20.048 | 20.012 | 20.060 | VV | 66931  | 1659017 | 15.51% | 0.360% |  |
| 469    | 20.071 | 20.060 | 20.086 | VV | 70327  | 1056094 | 9.87%  | 0.229% |  |
| 470    | 20.091 | 20.086 | 20.096 | VV | 65445  | 388384  | 3.63%  | 0.084% |  |
| 471    | 20.121 | 20.096 | 20.127 | VV | 74095  | 1188723 | 11.11% | 0.258% |  |
| 472    | 20.131 | 20.127 | 20.141 | VV | 68014  | 514760  | 4.81%  | 0.112% |  |
| 473    | 20.146 | 20.141 | 20.174 | VV | 63263  | 1201870 | 11.23% | 0.261% |  |
| 474    | 20.180 | 20.174 | 20.182 | VV | 60649  | 295991  | 2.77%  | 0.064% |  |
| 475    | 20.187 | 20.182 | 20.193 | VV | 62829  | 410019  | 3.83%  | 0.089% |  |
| 476    | 20.199 | 20.193 | 20.203 | VV | 65999  | 377750  | 3.53%  | 0.082% |  |
| 477    | 20.234 | 20.203 | 20.238 | VV | 72320  | 1377203 | 12.87% | 0.299% |  |
| 478    | 20.245 | 20.238 | 20.260 | VV | 73551  | 899846  | 8.41%  | 0.195% |  |
| 479    | 20.276 | 20.260 | 20.285 | VV | 76915  | 1080712 | 10.10% | 0.235% |  |
| 480    | 20.290 | 20.285 | 20.302 | VV | 77285  | 746756  | 6.98%  | 0.162% |  |
| 481    | 20.315 | 20.302 | 20.322 | VV | 76810  | 811881  | 7.59%  | 0.176% |  |
| 482    | 20.337 | 20.322 | 20.354 | VV | 78600  | 1429143 | 13.36% | 0.310% |  |
| 483    | 20.359 | 20.354 | 20.370 | VV | 75103  | 697179  | 6.52%  | 0.151% |  |
| 484    | 20.399 | 20.370 | 20.405 | VV | 71535  | 1375154 | 12.85% | 0.298% |  |
| 485    | 20.411 | 20.405 | 20.415 | VV | 69533  | 374194  | 3.50%  | 0.081% |  |
| 486    | 20.441 | 20.415 | 20.472 | VV | 128206 | 3221359 | 30.11% | 0.699% |  |
| 487    | 20.486 | 20.472 | 20.491 | VV | 77830  | 845779  | 7.90%  | 0.184% |  |
| 488    | 20.511 | 20.491 | 20.520 | VV | 84395  | 1412541 | 13.20% | 0.307% |  |
| 489    | 20.525 | 20.520 | 20.531 | VV | 85234  | 504846  | 4.72%  | 0.110% |  |
| 490    | 20.544 | 20.531 | 20.550 | VV | 84882  | 958384  | 8.96%  | 0.208% |  |
| 491    | 20.582 | 20.550 | 20.597 | VV | 93831  | 2456795 | 22.96% | 0.533% |  |
| 492    | 20.600 | 20.597 | 20.606 | VV | 84753  | 433992  | 4.06%  | 0.094% |  |
| 493    | 20.611 | 20.606 | 20.625 | VV | 87112  | 985363  | 9.21%  | 0.214% |  |
| 494    | 20.641 | 20.625 | 20.691 | VV | 87829  | 3128252 | 29.24% | 0.679% |  |
| 495    | 20.704 | 20.691 | 20.722 | VV | 81305  | 1454323 | 13.59% | 0.316% |  |
| 496    | 20.743 | 20.722 | 20.750 | VV | 86895  | 1365526 | 12.76% | 0.296% |  |
| 497    | 20.759 | 20.750 | 20.773 | VV | 89716  | 1166042 | 10.90% | 0.253% |  |
| 498    | 20.787 | 20.773 | 20.792 | VV | 97223  | 1001734 | 9.36%  | 0.217% |  |
| 499    | 20.804 | 20.792 | 20.815 | VV | 93501  | 1255812 | 11.74% | 0.273% |  |
| 500    | 20.820 | 20.815 | 20.835 | VV | 89319  | 1029548 | 9.62%  | 0.223% |  |
| 501    | 20.856 | 20.835 | 20.875 | VV | 86383  | 1900180 | 17.76% | 0.412% |  |
| 502    | 20.880 | 20.875 | 20.889 | VV | 79384  | 652397  | 6.10%  | 0.142% |  |
| 503    | 20.901 | 20.889 | 20.912 | VV | 80990  | 1105186 | 10.33% | 0.240% |  |
| 504    | 20.916 | 20.912 | 20.948 | VV | 82634  | 1663400 | 15.55% | 0.361% |  |
| 505    | 20.959 | 20.948 | 20.981 | VV | 75794  | 1440297 | 13.46% | 0.313% |  |
| 506    | 20.985 | 20.981 | 21.013 | VV | 74573  | 1366588 | 12.77% | 0.297% |  |
| 507    | 21.018 | 21.013 | 21.022 | VV | 76694  | 426128  | 3.98%  | 0.092% |  |
| 508    | 21.044 | 21.022 | 21.052 | VV | 76644  | 1335859 | 12.48% | 0.290% |  |
| 509    | 21.059 | 21.052 | 21.094 | VV | 78578  | 1772579 | 16.57% | 0.385% |  |

Instrument :

FID\_G

ClientSampleId :

AU-6-042425MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

|                         |        |        |        |     |           |         |        |                                   |                                                                                                                     |
|-------------------------|--------|--------|--------|-----|-----------|---------|--------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                         |        |        |        |     |           |         |        | Instrument :<br>FID_G             |                                                                                                                     |
|                         |        |        |        |     |           |         |        | ClientSampleId :<br>AU-6-042425MS |                                                                                                                     |
| 510                     | 21.117 | 21.094 | 21.127 | VV  | 69929     | 1368049 | 12.79% | 0.297%                            | Manual IntegrationsAPPROVED<br><br>Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |
| 511                     | 21.132 | 21.127 | 21.137 | VV  | 70794     | 413957  |        |                                   |                                                                                                                     |
| 512                     | 21.191 | 21.137 | 21.220 | VV  | 103887    | 3891590 | 30.77% | 0.297%                            |                                                                                                                     |
| 513                     | 21.225 | 21.220 | 21.244 | VV  | 62365     | 853434  | 7.18%  | 0.167%                            |                                                                                                                     |
| 514                     | 21.267 | 21.244 | 21.274 | VV  | 65242     | 1114626 | 10.66% | 0.155%                            |                                                                                                                     |
| 515                     | 21.279 | 21.274 | 21.289 | VV  | 61592     | 513291  | 4.39%  | 0.102%                            |                                                                                                                     |
| 516                     | 21.299 | 21.289 | 21.303 | VV  | 64957     | 538713  | 5.03%  | 0.117%                            |                                                                                                                     |
| 517                     | 21.345 | 21.303 | 21.355 | VV  | 67236     | 1986275 | 18.56% | 0.431%                            |                                                                                                                     |
| 518                     | 21.364 | 21.355 | 21.368 | VV  | 63380     | 469190  | 4.39%  | 0.102%                            |                                                                                                                     |
| 519                     | 21.375 | 21.368 | 21.389 | VV  | 66097     | 767811  | 7.18%  | 0.167%                            |                                                                                                                     |
| 520                     | 21.393 | 21.389 | 21.410 | VV  | 60321     | 712937  | 6.66%  | 0.155%                            |                                                                                                                     |
| 521                     | 21.415 | 21.410 | 21.420 | VV  | 52117     | 304107  | 2.84%  | 0.066%                            |                                                                                                                     |
| 522                     | 21.428 | 21.420 | 21.440 | VV  | 53529     | 568904  | 5.32%  | 0.123%                            |                                                                                                                     |
| 523                     | 21.448 | 21.440 | 21.466 | VV  | 50666     | 724594  | 6.77%  | 0.157%                            |                                                                                                                     |
| 524                     | 21.472 | 21.466 | 21.497 | VV  | 46696     | 782410  | 7.31%  | 0.170%                            |                                                                                                                     |
| 525                     | 21.502 | 21.497 | 21.521 | VV  | 42347     | 579177  | 5.41%  | 0.126%                            |                                                                                                                     |
| 526                     | 21.532 | 21.521 | 21.560 | VV  | 43823     | 942353  | 8.81%  | 0.205%                            |                                                                                                                     |
| 527                     | 21.564 | 21.560 | 21.569 | VV  | 43083     | 213707  | 2.00%  | 0.046%                            |                                                                                                                     |
| 528                     | 21.609 | 21.569 | 21.631 | VV  | 51229     | 1688862 | 15.78% | 0.367%                            |                                                                                                                     |
| 529                     | 21.641 | 21.631 | 21.655 | VV  | 49622     | 688631  | 6.44%  | 0.149%                            |                                                                                                                     |
| 530                     | 21.659 | 21.655 | 21.670 | VV  | 50511     | 434356  | 4.06%  | 0.094%                            |                                                                                                                     |
| 531                     | 21.676 | 21.670 | 21.688 | VV  | 49114     | 503968  | 4.71%  | 0.109%                            |                                                                                                                     |
| 532                     | 21.699 | 21.688 | 21.706 | VV  | 47137     | 461974  | 4.32%  | 0.100%                            |                                                                                                                     |
| 533                     | 21.735 | 21.706 | 21.782 | VV  | 47329     | 1928093 | 18.02% | 0.418%                            |                                                                                                                     |
| 534                     | 21.791 | 21.782 | 21.824 | VV  | 40761     | 826755  | 7.73%  | 0.179%                            |                                                                                                                     |
| 535                     | 21.832 | 21.824 | 21.852 | VV  | 34843     | 524904  | 4.91%  | 0.114%                            |                                                                                                                     |
| 536                     | 21.862 | 21.852 | 21.924 | VV  | 28933     | 922914  | 8.63%  | 0.200%                            |                                                                                                                     |
| 537                     | 21.982 | 21.924 | 21.990 | VV  | 32117     | 888832  | 8.31%  | 0.193%                            |                                                                                                                     |
| 538                     | 22.020 | 21.990 | 22.079 | VV  | 31107     | 1438690 | 13.45% | 0.312%                            |                                                                                                                     |
| 539                     | 22.110 | 22.079 | 22.150 | VV  | 49901     | 1521404 | 14.22% | 0.330%                            |                                                                                                                     |
| 540                     | 22.158 | 22.150 | 22.177 | VV  | 21373     | 276888  | 2.59%  | 0.060%                            |                                                                                                                     |
| 541                     | 22.183 | 22.177 | 22.194 | VV  | 17245     | 150247  | 1.40%  | 0.033%                            |                                                                                                                     |
| 542                     | 22.202 | 22.194 | 22.219 | VV  | 17378     | 220340  | 2.06%  | 0.048%                            |                                                                                                                     |
| 543                     | 22.229 | 22.219 | 22.245 | VV  | 14720     | 232950  | 2.18%  | 0.051%                            |                                                                                                                     |
| 544                     | 22.253 | 22.245 | 22.267 | VV  | 17779     | 189284  | 1.77%  | 0.041%                            |                                                                                                                     |
| 545                     | 22.275 | 22.267 | 22.289 | VV  | 16133     | 171820  | 1.61%  | 0.037%                            |                                                                                                                     |
| 546                     | 22.295 | 22.289 | 22.327 | VV  | 18422     | 240076  | 2.24%  | 0.052%                            |                                                                                                                     |
| 547                     | 22.339 | 22.327 | 22.368 | VV  | 8337      | 141422  | 1.32%  | 0.031%                            |                                                                                                                     |
| 548                     | 22.381 | 22.368 | 22.400 | PBA | 5313      | 138301  | 1.29%  | 0.030%                            |                                                                                                                     |
| Sum of corrected areas: |        |        |        |     | 460775526 |         |        |                                   |                                                                                                                     |

FG042425.M Wed Apr 30 02:14:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
 Data File : FG015777.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 21:13  
 Operator : YP\AJ  
 Sample : Q1877-01MSD  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

AU-6-042425MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e  
 Quant Time: Apr 30 01:22:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Quant Title :  
 QLast Update : Thu Apr 24 12:54:09 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1uL  
 Signal Phase : Rxi-1ms  
 Signal Info : 20mx0.18mmx0.18um

| Compound                      | R.T.   | Response | Conc Units    |
|-------------------------------|--------|----------|---------------|
| -----                         |        |          |               |
| System Monitoring Compounds   |        |          |               |
| 9) S TETRACOSANE-d50 (SURR... | 15.007 | 1648314  | 14.000 ug/ml  |
| Target Compounds              |        |          |               |
| 1) N-OCTANE                   | 1.979  | 1334217  | 11.839 ug/ml  |
| 2) N-DECANE                   | 4.505  | 2136060  | 19.186 ug/ml  |
| 3) N-DODECANE                 | 6.689  | 4621905  | 40.330 ug/mlm |
| 4) N-TETRADECANE              | 8.527  | 6931972  | 57.207 ug/mlm |
| 5) N-HEXADECANE               | 10.144 | 8110272  | 64.602 ug/mlm |
| 6) N-OCTADECANE               | 11.591 | 7149030  | 54.551 ug/mlm |
| 7) N-EICOSANE                 | 12.904 | 5862039  | 43.238 ug/mlm |
| 8) N-DOCOSANE                 | 14.105 | 4290830  | 32.352 ug/ml  |
| 10) N-TETRACOSANE             | 15.212 | 2921542  | 21.985 ug/ml  |
| 11) N-HEXACOSANE              | 16.236 | 2545978  | 19.197 ug/ml  |
| 12) N-OCTACOSANE              | 17.190 | 2451607  | 18.596 ug/ml  |
| 13) N-TRIACONTANE             | 18.080 | 2483817  | 18.631 ug/ml  |
| 14) N-DOTRIACONTANE           | 18.917 | 2166001  | 16.431 ug/ml  |
| 15) N-TETRATRIACONTANE        | 19.703 | 1450069  | 11.990 ug/ml  |
| 16) N-HEXATRIACONTANE         | 20.449 | 1150845  | 10.734 ug/ml  |
| 17) N-OCTATRIACONTANE         | 21.188 | 877741   | 9.112 ug/ml   |
| 18) N-TETRACONTANE            | 22.119 | 1012069  | 11.366 ug/mlm |
| -----                         |        |          |               |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042925\  
Data File : FG015777.D  
Signal(s) : FID1A.ch  
Acq On : 29 Apr 2025 21:13  
Operator : YP\AJ  
Sample : Q1877-01MSD  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

AU-6-042425MSD

## Manual Integrations

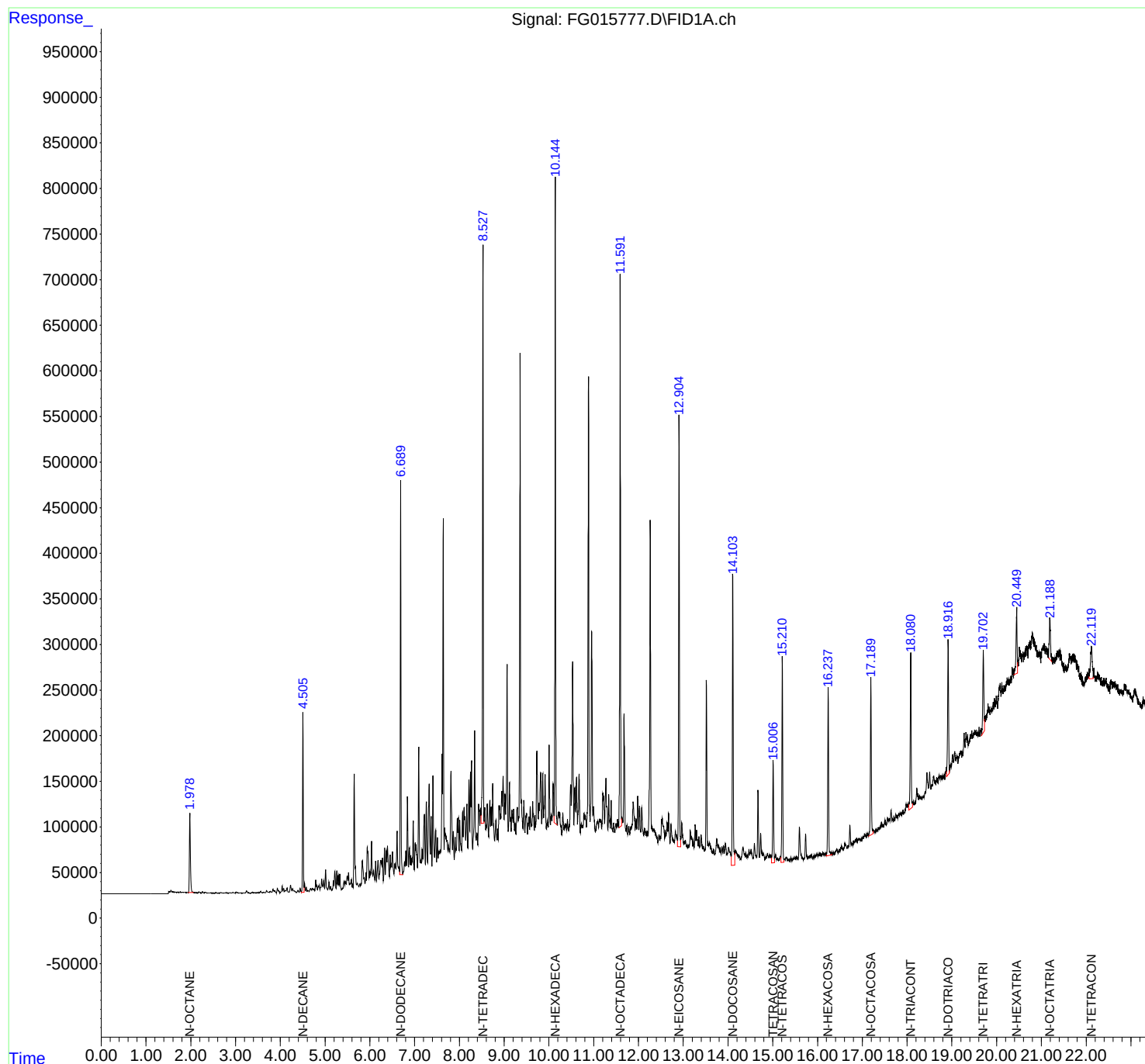
## APPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e  
Quant Time: Apr 30 01:22:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
Quant Title :  
QLast Update : Thu Apr 24 12:54:09 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1uL  
Signal Phase : Rxi-1ms  
Signal Info : 20mx0.18mmx0.18um



Instrument :

FID\_G

ClientSampleId :

AU-6-042425MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04292  
 Data File : FG015777.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 Apr 2025 21:13  
 Sample : Q1877-01MSD  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG042425.M  
 Title :

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         | 1.925       | 1.900        | 1.944      | BV       | 227            | 2603         | 0.02%          | 0.001%        |
| 2         | 1.979       | 1.944        | 2.112      | PV       | 87289          | 1355848      | 12.77%         | 0.291%        |
| 3         | 2.116       | 2.112        | 2.133      | VV       | 114            | 450          | 0.00%          | 0.000%        |
| 4         | 2.142       | 2.133        | 2.148      | PV       | 90             | 552          | 0.01%          | 0.000%        |
| 5         | 2.152       | 2.148        | 2.157      | VV       | 132            | 510          | 0.00%          | 0.000%        |
| 6         | 2.161       | 2.157        | 2.167      | VV       | 148            | 464          | 0.00%          | 0.000%        |
| 7         | 2.181       | 2.167        | 2.230      | VV       | 1272           | 18263        | 0.17%          | 0.004%        |
| 8         | 2.260       | 2.230        | 2.298      | VV       | 1656           | 22382        | 0.21%          | 0.005%        |
| 9         | 2.326       | 2.298        | 2.381      | VV       | 948            | 18592        | 0.18%          | 0.004%        |
| 10        | 2.391       | 2.381        | 2.438      | VV       | 219            | 3808         | 0.04%          | 0.001%        |
| 11        | 2.445       | 2.438        | 2.457      | VV       | 392            | 1089         | 0.01%          | 0.000%        |
| 12        | 2.465       | 2.457        | 2.482      | VV       | 133            | 801          | 0.01%          | 0.000%        |
| 13        | 2.497       | 2.482        | 2.518      | PV       | 127            | 1378         | 0.01%          | 0.000%        |
| 14        | 2.522       | 2.518        | 2.533      | VV       | 124            | 782          | 0.01%          | 0.000%        |
| 15        | 2.557       | 2.533        | 2.619      | VV       | 434            | 10555        | 0.10%          | 0.002%        |
| 16        | 2.623       | 2.619        | 2.645      | VV       | 84             | 751          | 0.01%          | 0.000%        |
| 17        | 2.669       | 2.645        | 2.726      | PV       | 737            | 15456        | 0.15%          | 0.003%        |
| 18        | 2.743       | 2.726        | 2.750      | VV       | 213            | 2113         | 0.02%          | 0.000%        |
| 19        | 2.756       | 2.750        | 2.760      | VV       | 174            | 799          | 0.01%          | 0.000%        |
| 20        | 2.784       | 2.760        | 2.821      | VV       | 388            | 7872         | 0.07%          | 0.002%        |
| 21        | 2.824       | 2.821        | 2.838      | VV       | 104            | 739          | 0.01%          | 0.000%        |
| 22        | 2.877       | 2.838        | 2.908      | VV       | 579            | 12375        | 0.12%          | 0.003%        |
| 23        | 2.915       | 2.908        | 2.921      | VV       | 273            | 1868         | 0.02%          | 0.000%        |
| 24        | 2.940       | 2.921        | 2.973      | VV       | 982            | 15971        | 0.15%          | 0.003%        |
| 25        | 2.977       | 2.973        | 2.985      | VV       | 247            | 1623         | 0.02%          | 0.000%        |
| 26        | 3.021       | 2.985        | 3.044      | VV       | 935            | 19234        | 0.18%          | 0.004%        |
| 27        | 3.050       | 3.044        | 3.081      | VV       | 452            | 5457         | 0.05%          | 0.001%        |
| 28        | 3.086       | 3.081        | 3.092      | VV       | 128            | 646          | 0.01%          | 0.000%        |
| 29        | 3.111       | 3.092        | 3.141      | VV       | 171            | 3301         | 0.03%          | 0.001%        |
| 30        | 3.165       | 3.141        | 3.181      | VV       | 186            | 2777         | 0.03%          | 0.001%        |
| 31        | 3.203       | 3.181        | 3.214      | VV       | 278            | 3638         | 0.03%          | 0.001%        |
| 32        | 3.245       | 3.214        | 3.285      | VV       | 2631           | 49655        | 0.47%          | 0.011%        |
| 33        | 3.293       | 3.285        | 3.326      | VV       | 396            | 4898         | 0.05%          | 0.001%        |
| 34        | 3.334       | 3.326        | 3.340      | PV       | 93             | 407          | 0.00%          | 0.000%        |
| 35        | 3.363       | 3.340        | 3.373      | VV       | 446            | 5202         | 0.05%          | 0.001%        |
| 36        | 3.386       | 3.373        | 3.407      | VV       | 824            | 10257        | 0.10%          | 0.002%        |

|                                          |        |       |       |    |        |         |        |        |  |
|------------------------------------------|--------|-------|-------|----|--------|---------|--------|--------|--|
| Instrument : FID_G                       |        |       |       |    |        |         |        |        |  |
| ClientSampleId : AU-6-042425MSD          |        |       |       |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |        |       |       |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |        |       |       |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |        |       |       |    |        |         |        |        |  |
|                                          | rteres |       |       |    |        |         |        |        |  |
| 37                                       | 3.417  | 3.407 | 3.438 | VV | 577    | 6435    | 0.06%  | 0.001% |  |
| 38                                       | 3.457  | 3.438 | 3.473 | VV | 417    | 5633    |        |        |  |
| 39                                       | 3.487  | 3.473 | 3.508 | VV | 484    | 6451    |        |        |  |
| 40                                       | 3.528  | 3.508 | 3.540 | VV | 447    | 5555    |        |        |  |
| 41                                       | 3.559  | 3.540 | 3.601 | VV | 1914   | 31392   |        |        |  |
| 42                                       | 3.619  | 3.601 | 3.624 | VV | 590    | 5420    |        |        |  |
| 43                                       | 3.639  | 3.624 | 3.656 | VV | 736    | 10530   | 0.10%  | 0.002% |  |
| 44                                       | 3.661  | 3.656 | 3.673 | VV | 376    | 3136    | 0.03%  | 0.001% |  |
| 45                                       | 3.694  | 3.673 | 3.729 | VV | 2758   | 49042   | 0.46%  | 0.011% |  |
| 46                                       | 3.736  | 3.729 | 3.749 | VV | 862    | 9585    | 0.09%  | 0.002% |  |
| 47                                       | 3.777  | 3.749 | 3.808 | VV | 1824   | 41659   | 0.39%  | 0.009% |  |
| 48                                       | 3.835  | 3.808 | 3.853 | VV | 4125   | 61134   | 0.58%  | 0.013% |  |
| 49                                       | 3.859  | 3.853 | 3.870 | VV | 2224   | 21849   | 0.21%  | 0.005% |  |
| 50                                       | 3.879  | 3.870 | 3.910 | VV | 2200   | 28157   | 0.27%  | 0.006% |  |
| 51                                       | 3.935  | 3.910 | 3.958 | VV | 4969   | 74495   | 0.70%  | 0.016% |  |
| 52                                       | 3.964  | 3.958 | 3.996 | VV | 2234   | 28104   | 0.26%  | 0.006% |  |
| 53                                       | 4.042  | 3.996 | 4.059 | VV | 7413   | 104385  | 0.98%  | 0.022% |  |
| 54                                       | 4.076  | 4.059 | 4.095 | VV | 4981   | 68241   | 0.64%  | 0.015% |  |
| 55                                       | 4.113  | 4.095 | 4.132 | VV | 2543   | 49130   | 0.46%  | 0.011% |  |
| 56                                       | 4.152  | 4.132 | 4.175 | VV | 5579   | 87154   | 0.82%  | 0.019% |  |
| 57                                       | 4.183  | 4.175 | 4.198 | VV | 1001   | 11648   | 0.11%  | 0.002% |  |
| 58                                       | 4.229  | 4.198 | 4.258 | VV | 8266   | 153332  | 1.44%  | 0.033% |  |
| 59                                       | 4.275  | 4.258 | 4.303 | VV | 4570   | 81850   | 0.77%  | 0.018% |  |
| 60                                       | 4.313  | 4.303 | 4.332 | VV | 2193   | 30700   | 0.29%  | 0.007% |  |
| 61                                       | 4.339  | 4.332 | 4.360 | VV | 1269   | 12495   | 0.12%  | 0.003% |  |
| 62                                       | 4.396  | 4.360 | 4.422 | PV | 2638   | 43192   | 0.41%  | 0.009% |  |
| 63                                       | 4.444  | 4.422 | 4.470 | VV | 4548   | 63880   | 0.60%  | 0.014% |  |
| 64                                       | 4.505  | 4.470 | 4.531 | VV | 197201 | 2135892 | 20.12% | 0.458% |  |
| 65                                       | 4.543  | 4.531 | 4.563 | VV | 9687   | 114543  | 1.08%  | 0.025% |  |
| 66                                       | 4.581  | 4.563 | 4.601 | VV | 5410   | 69157   | 0.65%  | 0.015% |  |
| 67                                       | 4.616  | 4.601 | 4.644 | VV | 1979   | 30458   | 0.29%  | 0.007% |  |
| 68                                       | 4.681  | 4.644 | 4.703 | VV | 3497   | 80728   | 0.76%  | 0.017% |  |
| 69                                       | 4.717  | 4.703 | 4.748 | VV | 3750   | 74426   | 0.70%  | 0.016% |  |
| 70                                       | 4.759  | 4.748 | 4.773 | VV | 2734   | 29050   | 0.27%  | 0.006% |  |
| 71                                       | 4.791  | 4.773 | 4.804 | VV | 12787  | 136619  | 1.29%  | 0.029% |  |
| 72                                       | 4.812  | 4.804 | 4.831 | VV | 6869   | 69866   | 0.66%  | 0.015% |  |
| 73                                       | 4.849  | 4.831 | 4.859 | VV | 5877   | 74402   | 0.70%  | 0.016% |  |
| 74                                       | 4.869  | 4.859 | 4.885 | VV | 6826   | 76890   | 0.72%  | 0.016% |  |
| 75                                       | 4.926  | 4.885 | 4.953 | VV | 13384  | 261546  | 2.46%  | 0.056% |  |
| 76                                       | 4.970  | 4.953 | 4.990 | VV | 11505  | 162867  | 1.53%  | 0.035% |  |
| 77                                       | 5.012  | 4.990 | 5.057 | VV | 23227  | 348009  | 3.28%  | 0.075% |  |
| 78                                       | 5.089  | 5.057 | 5.107 | VV | 9670   | 129968  | 1.22%  | 0.028% |  |
| 79                                       | 5.123  | 5.107 | 5.148 | VV | 4421   | 57781   | 0.54%  | 0.012% |  |
| 80                                       | 5.187  | 5.148 | 5.199 | VV | 11119  | 133019  | 1.25%  | 0.029% |  |
| 81                                       | 5.218  | 5.199 | 5.244 | VV | 20677  | 331784  | 3.13%  | 0.071% |  |
| 82                                       | 5.263  | 5.244 | 5.279 | VV | 21413  | 242459  | 2.28%  | 0.052% |  |
| 83                                       | 5.295  | 5.279 | 5.313 | VV | 16523  | 222233  | 2.09%  | 0.048% |  |
| 84                                       | 5.329  | 5.313 | 5.366 | VV | 17590  | 229087  | 2.16%  | 0.049% |  |
| 85                                       | 5.381  | 5.366 | 5.386 | VV | 1564   | 11537   | 0.11%  | 0.002% |  |
| 86                                       | 5.426  | 5.386 | 5.440 | VV | 9579   | 169633  | 1.60%  | 0.036% |  |
| 87                                       | 5.454  | 5.440 | 5.471 | VV | 9262   | 135621  | 1.28%  | 0.029% |  |
| 88                                       | 5.494  | 5.471 | 5.513 | VV | 14643  | 276978  | 2.61%  | 0.059% |  |
| 89                                       | 5.526  | 5.513 | 5.543 | VV | 18613  | 223010  | 2.10%  | 0.048% |  |



|     |       |       |       |    |        |         |                                          |        |
|-----|-------|-------|-------|----|--------|---------|------------------------------------------|--------|
|     |       |       |       |    |        |         | Instrument :<br>FID_G                    |        |
|     |       |       |       |    |        |         | ClientSampleId :<br>AU-6-042425MSD       |        |
| 90  | 5.552 | 5.543 | 5.561 | VV | 6230   | 61275   | 0.58%                                    | 0.013% |
| 91  | 5.589 | 5.561 | 5.604 | VV | 10860  | 177993  | Manual IntegrationsAPPROVED              |        |
| 92  | 5.616 | 5.604 | 5.627 | VV | 5516   | 54276   |                                          |        |
| 93  | 5.651 | 5.627 | 5.702 | VV | 126436 | 1823202 | Reviewed By :Yogesh Patel 04/30/2025     |        |
| 94  | 5.717 | 5.702 | 5.755 | VV | 5597   | 142494  | Supervised By :mohammad ahmed 05/02/2025 |        |
| 95  | 5.778 | 5.755 | 5.791 | VV | 5332   | 85496   |                                          |        |
| 96  | 5.803 | 5.791 | 5.810 | VV | 5617   | 51712   | 0.49%                                    | 0.011% |
| 97  | 5.832 | 5.810 | 5.867 | VV | 30903  | 653712  | 6.16%                                    | 0.140% |
| 98  | 5.875 | 5.867 | 5.893 | VV | 12123  | 144238  | 1.36%                                    | 0.031% |
| 99  | 5.914 | 5.893 | 5.925 | VV | 17250  | 209960  | 1.98%                                    | 0.045% |
| 100 | 5.942 | 5.925 | 5.953 | VV | 45409  | 546624  | 5.15%                                    | 0.117% |
| 101 | 5.958 | 5.953 | 5.987 | VV | 39818  | 540119  | 5.09%                                    | 0.116% |
| 102 | 5.998 | 5.987 | 6.008 | VV | 18234  | 186866  | 1.76%                                    | 0.040% |
| 103 | 6.017 | 6.008 | 6.021 | VV | 16975  | 125533  | 1.18%                                    | 0.027% |
| 104 | 6.039 | 6.021 | 6.068 | VV | 51466  | 774238  | 7.29%                                    | 0.166% |
| 105 | 6.084 | 6.068 | 6.113 | VV | 19250  | 376239  | 3.54%                                    | 0.081% |
| 106 | 6.131 | 6.113 | 6.148 | VV | 29277  | 376388  | 3.55%                                    | 0.081% |
| 107 | 6.183 | 6.148 | 6.203 | VV | 29935  | 611046  | 5.76%                                    | 0.131% |
| 108 | 6.246 | 6.203 | 6.256 | VV | 29651  | 666484  | 6.28%                                    | 0.143% |
| 109 | 6.259 | 6.256 | 6.272 | VV | 27493  | 244793  | 2.31%                                    | 0.052% |
| 110 | 6.283 | 6.272 | 6.302 | VV | 32259  | 397917  | 3.75%                                    | 0.085% |
| 111 | 6.329 | 6.302 | 6.347 | VV | 43021  | 635265  | 5.98%                                    | 0.136% |
| 112 | 6.368 | 6.347 | 6.382 | VV | 40217  | 634361  | 5.98%                                    | 0.136% |
| 113 | 6.395 | 6.382 | 6.438 | VV | 45147  | 976823  | 9.20%                                    | 0.209% |
| 114 | 6.454 | 6.438 | 6.467 | VV | 34992  | 437718  | 4.12%                                    | 0.094% |
| 115 | 6.477 | 6.467 | 6.486 | VV | 24505  | 264024  | 2.49%                                    | 0.057% |
| 116 | 6.507 | 6.486 | 6.539 | VV | 38578  | 831076  | 7.83%                                    | 0.178% |
| 117 | 6.558 | 6.539 | 6.583 | VV | 25151  | 553178  | 5.21%                                    | 0.119% |
| 118 | 6.609 | 6.583 | 6.643 | VV | 60759  | 1173008 | 11.05%                                   | 0.251% |
| 119 | 6.652 | 6.643 | 6.664 | VV | 21294  | 243682  | 2.30%                                    | 0.052% |
| 120 | 6.689 | 6.664 | 6.735 | VV | 445030 | 5165435 | 48.65%                                   | 1.107% |
| 121 | 6.750 | 6.735 | 6.756 | VV | 15788  | 182137  | 1.72%                                    | 0.039% |
| 122 | 6.775 | 6.756 | 6.788 | VV | 26306  | 413346  | 3.89%                                    | 0.089% |
| 123 | 6.805 | 6.788 | 6.821 | VV | 38758  | 621512  | 5.85%                                    | 0.133% |
| 124 | 6.841 | 6.821 | 6.865 | VV | 97700  | 1409506 | 13.28%                                   | 0.302% |
| 125 | 6.886 | 6.865 | 6.903 | VV | 41623  | 738608  | 6.96%                                    | 0.158% |
| 126 | 6.914 | 6.903 | 6.927 | VV | 33001  | 388289  | 3.66%                                    | 0.083% |
| 127 | 6.942 | 6.927 | 6.953 | VV | 30188  | 423762  | 3.99%                                    | 0.091% |
| 128 | 6.970 | 6.953 | 6.992 | VV | 70628  | 967132  | 9.11%                                    | 0.207% |
| 129 | 7.014 | 6.992 | 7.024 | VV | 46855  | 653419  | 6.15%                                    | 0.140% |
| 130 | 7.033 | 7.024 | 7.065 | VV | 44859  | 836874  | 7.88%                                    | 0.179% |
| 131 | 7.093 | 7.065 | 7.127 | VV | 151375 | 2317666 | 21.83%                                   | 0.497% |
| 132 | 7.136 | 7.127 | 7.151 | VV | 26840  | 367886  | 3.47%                                    | 0.079% |
| 133 | 7.169 | 7.151 | 7.183 | VV | 38805  | 635947  | 5.99%                                    | 0.136% |
| 134 | 7.218 | 7.183 | 7.240 | VV | 77502  | 1700468 | 16.02%                                   | 0.364% |
| 135 | 7.262 | 7.240 | 7.291 | VV | 90689  | 1524352 | 14.36%                                   | 0.327% |
| 136 | 7.326 | 7.291 | 7.353 | VV | 110257 | 2451050 | 23.09%                                   | 0.525% |
| 137 | 7.369 | 7.353 | 7.388 | VV | 74338  | 986450  | 9.29%                                    | 0.211% |
| 138 | 7.411 | 7.388 | 7.447 | VV | 118994 | 2070825 | 19.51%                                   | 0.444% |
| 139 | 7.469 | 7.447 | 7.492 | VV | 58928  | 1165835 | 10.98%                                   | 0.250% |
| 140 | 7.511 | 7.492 | 7.527 | VV | 50518  | 790969  | 7.45%                                    | 0.169% |
| 141 | 7.540 | 7.527 | 7.550 | VV | 35487  | 435817  | 4.11%                                    | 0.093% |



|                                          |       |       |       |    |        |         |        |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|--------|--------|--|
| Instrument : FID_G                       |       |       |       |    |        |         |        |        |  |
| ClientSampleId : AU-6-042425MSD          |       |       |       |    |        |         |        |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |        |        |  |
| Reviewed By :Yogesh Patel 04/30/2025     |       |       |       |    |        |         |        |        |  |
| Supervised By :mohammad ahmed 05/02/2025 |       |       |       |    |        |         |        |        |  |
| rteres                                   |       |       |       |    |        |         |        |        |  |
| 142                                      | 7.563 | 7.550 | 7.567 | VV | 34950  | 359128  | 3.38%  | 0.077% |  |
| 143                                      | 7.578 | 7.567 | 7.586 | VV | 36678  | 403471  |        |        |  |
| 144                                      | 7.614 | 7.586 | 7.623 | VV | 142314 | 1867819 |        |        |  |
| 145                                      | 7.640 | 7.623 | 7.661 | VV | 399329 | 4576798 |        |        |  |
| 146                                      | 7.674 | 7.661 | 7.684 | VV | 61089  | 728345  |        |        |  |
| 147                                      | 7.690 | 7.684 | 7.700 | VV | 53457  | 494947  |        |        |  |
| 148                                      | 7.707 | 7.700 | 7.718 | VV | 51295  | 540931  | 5.10%  | 0.116% |  |
| 149                                      | 7.725 | 7.718 | 7.746 | VV | 47277  | 701853  | 6.61%  | 0.150% |  |
| 150                                      | 7.761 | 7.746 | 7.786 | VV | 42435  | 899891  | 8.48%  | 0.193% |  |
| 151                                      | 7.812 | 7.786 | 7.847 | VV | 122773 | 2642470 | 24.89% | 0.566% |  |
| 152                                      | 7.865 | 7.847 | 7.887 | VV | 56805  | 1032282 | 9.72%  | 0.221% |  |
| 153                                      | 7.906 | 7.887 | 7.921 | VV | 49649  | 778746  | 7.34%  | 0.167% |  |
| 154                                      | 7.930 | 7.921 | 7.936 | VV | 36855  | 323336  | 3.05%  | 0.069% |  |
| 155                                      | 7.954 | 7.936 | 7.964 | VV | 70131  | 932827  | 8.79%  | 0.200% |  |
| 156                                      | 7.977 | 7.964 | 7.994 | VV | 71140  | 1037055 | 9.77%  | 0.222% |  |
| 157                                      | 8.010 | 7.994 | 8.051 | VV | 68593  | 1580556 | 14.89% | 0.339% |  |
| 158                                      | 8.072 | 8.051 | 8.087 | VV | 77246  | 1255122 | 11.82% | 0.269% |  |
| 159                                      | 8.105 | 8.087 | 8.117 | VV | 82312  | 1263745 | 11.90% | 0.271% |  |
| 160                                      | 8.123 | 8.117 | 8.141 | VV | 71714  | 891920  | 8.40%  | 0.191% |  |
| 161                                      | 8.168 | 8.141 | 8.188 | VV | 85285  | 1696356 | 15.98% | 0.363% |  |
| 162                                      | 8.216 | 8.188 | 8.233 | VV | 111399 | 1881827 | 17.73% | 0.403% |  |
| 163                                      | 8.250 | 8.233 | 8.260 | VV | 120511 | 1524922 | 14.36% | 0.327% |  |
| 164                                      | 8.272 | 8.260 | 8.295 | VV | 132640 | 1765552 | 16.63% | 0.378% |  |
| 165                                      | 8.342 | 8.295 | 8.377 | VV | 165046 | 3549921 | 33.44% | 0.761% |  |
| 166                                      | 8.393 | 8.377 | 8.411 | VV | 53463  | 988427  | 9.31%  | 0.212% |  |
| 167                                      | 8.431 | 8.411 | 8.441 | VV | 84532  | 1192366 | 11.23% | 0.255% |  |
| 168                                      | 8.445 | 8.441 | 8.458 | VV | 78695  | 717957  | 6.76%  | 0.154% |  |
| 169                                      | 8.473 | 8.458 | 8.485 | VV | 80478  | 1166492 | 10.99% | 0.250% |  |
| 170                                      | 8.528 | 8.485 | 8.550 | VV | 689875 | 9426158 | 88.79% | 2.020% |  |
| 171                                      | 8.569 | 8.550 | 8.589 | VV | 80223  | 1648253 | 15.53% | 0.353% |  |
| 172                                      | 8.600 | 8.589 | 8.605 | VV | 60266  | 562821  | 5.30%  | 0.121% |  |
| 173                                      | 8.624 | 8.605 | 8.654 | VV | 84411  | 2001006 | 18.85% | 0.429% |  |
| 174                                      | 8.681 | 8.654 | 8.698 | VV | 87764  | 1831483 | 17.25% | 0.392% |  |
| 175                                      | 8.710 | 8.698 | 8.725 | VV | 80726  | 1155644 | 10.89% | 0.248% |  |
| 176                                      | 8.745 | 8.725 | 8.787 | VV | 106151 | 2610041 | 24.58% | 0.559% |  |
| 177                                      | 8.816 | 8.787 | 8.840 | VV | 66213  | 1731097 | 16.31% | 0.371% |  |
| 178                                      | 8.853 | 8.840 | 8.865 | VV | 56037  | 747610  | 7.04%  | 0.160% |  |
| 179                                      | 8.885 | 8.865 | 8.891 | VV | 81712  | 1040742 | 9.80%  | 0.223% |  |
| 180                                      | 8.899 | 8.891 | 8.912 | VV | 80665  | 950680  | 8.95%  | 0.204% |  |
| 181                                      | 8.920 | 8.912 | 8.928 | VV | 71657  | 669425  | 6.31%  | 0.143% |  |
| 182                                      | 8.949 | 8.928 | 8.963 | VV | 96946  | 1784690 | 16.81% | 0.382% |  |
| 183                                      | 8.978 | 8.963 | 9.000 | VV | 113513 | 2009243 | 18.93% | 0.431% |  |
| 184                                      | 9.020 | 9.000 | 9.034 | VV | 93965  | 1661903 | 15.65% | 0.356% |  |
| 185                                      | 9.067 | 9.034 | 9.092 | VV | 236057 | 4243512 | 39.97% | 0.909% |  |
| 186                                      | 9.119 | 9.092 | 9.135 | VV | 106154 | 1954855 | 18.41% | 0.419% |  |
| 187                                      | 9.142 | 9.135 | 9.157 | VV | 67167  | 808637  | 7.62%  | 0.173% |  |
| 188                                      | 9.175 | 9.157 | 9.199 | VV | 74718  | 1686844 | 15.89% | 0.361% |  |
| 189                                      | 9.214 | 9.199 | 9.235 | VV | 77019  | 1416341 | 13.34% | 0.303% |  |
| 190                                      | 9.246 | 9.235 | 9.263 | VV | 60765  | 918405  | 8.65%  | 0.197% |  |
| 191                                      | 9.297 | 9.263 | 9.314 | VV | 78019  | 2074789 | 19.54% | 0.445% |  |
| 192                                      | 9.358 | 9.314 | 9.379 | VV | 574765 | 8114120 | 76.43% | 1.739% |  |
| 193                                      | 9.385 | 9.379 | 9.420 | VV | 84526  | 1751896 | 16.50% | 0.375% |  |
| 194                                      | 9.441 | 9.420 | 9.465 | VV | 85500  | 1817660 | 17.12% | 0.389% |  |

|     |        |        |        |    |        |          |         |                                    |                                                                                  |
|-----|--------|--------|--------|----|--------|----------|---------|------------------------------------|----------------------------------------------------------------------------------|
|     |        |        |        |    |        |          |         | Instrument :<br>FID_G              |                                                                                  |
|     |        |        |        |    |        |          |         | ClientSampleId :<br>AU-6-042425MSD |                                                                                  |
| 195 | 9.500  | 9.465  | 9.524  | VV | 71105  | 2193165  | 20.66%  | 0.470%                             | Manual IntegrationsAPPROVED                                                      |
| 196 | 9.555  | 9.524  | 9.568  | VV | 67204  | 1574866  | 14.00%  | 0.470%                             |                                                                                  |
| 197 | 9.585  | 9.568  | 9.608  | VV | 78370  | 1580679  | 14.00%  | 0.470%                             |                                                                                  |
| 198 | 9.639  | 9.608  | 9.674  | VV | 83830  | 2593626  | 24.00%  | 0.470%                             |                                                                                  |
| 199 | 9.688  | 9.674  | 9.701  | VV | 68665  | 1012518  | 9.00%   | 0.470%                             |                                                                                  |
| 200 | 9.732  | 9.701  | 9.763  | VV | 138987 | 3398481  | 32.00%  | 0.470%                             |                                                                                  |
| 201 | 9.776  | 9.763  | 9.787  | VV | 81651  | 1083175  | 10.20%  | 0.232%                             | Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |
| 202 | 9.817  | 9.787  | 9.840  | VV | 112792 | 2855949  | 26.90%  | 0.612%                             |                                                                                  |
| 203 | 9.864  | 9.840  | 9.883  | VV | 113246 | 2187945  | 20.61%  | 0.469%                             |                                                                                  |
| 204 | 9.916  | 9.883  | 9.946  | VV | 113013 | 2976899  | 28.04%  | 0.638%                             |                                                                                  |
| 205 | 9.964  | 9.946  | 9.985  | VV | 62213  | 1347037  | 12.69%  | 0.289%                             |                                                                                  |
| 206 | 10.006 | 9.985  | 10.034 | VV | 144594 | 2605122  | 24.54%  | 0.558%                             |                                                                                  |
| 207 | 10.049 | 10.034 | 10.069 | VV | 67268  | 1343125  | 12.65%  | 0.288%                             |                                                                                  |
| 208 | 10.093 | 10.069 | 10.116 | VV | 101644 | 2341930  | 22.06%  | 0.502%                             |                                                                                  |
| 209 | 10.143 | 10.116 | 10.188 | VV | 767484 | 10616589 | 100.00% | 2.275%                             |                                                                                  |
| 210 | 10.213 | 10.188 | 10.232 | VV | 70395  | 1724511  | 16.24%  | 0.370%                             |                                                                                  |
| 211 | 10.242 | 10.232 | 10.286 | VV | 70057  | 1844993  | 17.38%  | 0.395%                             |                                                                                  |
| 212 | 10.312 | 10.286 | 10.341 | VV | 69112  | 1898023  | 17.88%  | 0.407%                             |                                                                                  |
| 213 | 10.353 | 10.341 | 10.360 | VV | 55308  | 606999   | 5.72%   | 0.130%                             |                                                                                  |
| 214 | 10.372 | 10.360 | 10.397 | VV | 56893  | 1180760  | 11.12%  | 0.253%                             |                                                                                  |
| 215 | 10.413 | 10.397 | 10.435 | VV | 61804  | 1298673  | 12.23%  | 0.278%                             |                                                                                  |
| 216 | 10.487 | 10.435 | 10.501 | VV | 99804  | 2757076  | 25.97%  | 0.591%                             |                                                                                  |
| 217 | 10.530 | 10.501 | 10.557 | VV | 234265 | 4482797  | 42.22%  | 0.961%                             |                                                                                  |
| 218 | 10.579 | 10.557 | 10.600 | VV | 95752  | 1986244  | 18.71%  | 0.426%                             |                                                                                  |
| 219 | 10.618 | 10.600 | 10.639 | VV | 106640 | 1910705  | 18.00%  | 0.409%                             |                                                                                  |
| 220 | 10.674 | 10.639 | 10.702 | VV | 110522 | 2778041  | 26.17%  | 0.595%                             |                                                                                  |
| 221 | 10.724 | 10.702 | 10.738 | VV | 55946  | 1133483  | 10.68%  | 0.243%                             |                                                                                  |
| 222 | 10.746 | 10.738 | 10.754 | VV | 53735  | 501749   | 4.73%   | 0.108%                             |                                                                                  |
| 223 | 10.784 | 10.754 | 10.802 | VV | 66751  | 1748030  | 16.47%  | 0.375%                             |                                                                                  |
| 224 | 10.811 | 10.802 | 10.839 | VV | 65215  | 1317156  | 12.41%  | 0.282%                             |                                                                                  |
| 225 | 10.885 | 10.839 | 10.922 | VV | 547336 | 8603791  | 81.04%  | 1.843%                             |                                                                                  |
| 226 | 10.955 | 10.922 | 10.982 | VV | 265616 | 5006884  | 47.16%  | 1.073%                             |                                                                                  |
| 227 | 10.998 | 10.982 | 11.048 | VV | 73340  | 2319849  | 21.85%  | 0.497%                             |                                                                                  |
| 228 | 11.078 | 11.048 | 11.087 | VV | 56649  | 1262825  | 11.89%  | 0.271%                             |                                                                                  |
| 229 | 11.093 | 11.087 | 11.109 | VV | 57630  | 699809   | 6.59%   | 0.150%                             |                                                                                  |
| 230 | 11.134 | 11.109 | 11.178 | VV | 59616  | 2345734  | 22.09%  | 0.503%                             |                                                                                  |
| 231 | 11.206 | 11.178 | 11.242 | VV | 87273  | 2771442  | 26.10%  | 0.594%                             |                                                                                  |
| 232 | 11.274 | 11.242 | 11.317 | VV | 103036 | 3349074  | 31.55%  | 0.718%                             |                                                                                  |
| 233 | 11.337 | 11.317 | 11.372 | VV | 85882  | 2133362  | 20.09%  | 0.457%                             |                                                                                  |
| 234 | 11.390 | 11.372 | 11.425 | VV | 79532  | 1832583  | 17.26%  | 0.393%                             |                                                                                  |
| 235 | 11.444 | 11.425 | 11.471 | VV | 54373  | 1369807  | 12.90%  | 0.294%                             |                                                                                  |
| 236 | 11.496 | 11.471 | 11.514 | VV | 53521  | 1292063  | 12.17%  | 0.277%                             |                                                                                  |
| 237 | 11.537 | 11.514 | 11.558 | VV | 58562  | 1435633  | 13.52%  | 0.308%                             |                                                                                  |
| 238 | 11.591 | 11.558 | 11.624 | VV | 655975 | 9111345  | 85.82%  | 1.952%                             |                                                                                  |
| 239 | 11.631 | 11.624 | 11.649 | VV | 60072  | 868121   | 8.18%   | 0.186%                             |                                                                                  |
| 240 | 11.679 | 11.649 | 11.722 | VV | 172532 | 3916116  | 36.89%  | 0.839%                             |                                                                                  |
| 241 | 11.745 | 11.722 | 11.763 | VV | 51556  | 1153098  | 10.86%  | 0.247%                             |                                                                                  |
| 242 | 11.783 | 11.763 | 11.805 | VV | 49978  | 1159469  | 10.92%  | 0.248%                             |                                                                                  |
| 243 | 11.881 | 11.805 | 11.925 | VV | 75915  | 3970843  | 37.40%  | 0.851%                             |                                                                                  |
| 244 | 11.944 | 11.925 | 11.962 | VV | 57890  | 1133032  | 10.67%  | 0.243%                             |                                                                                  |
| 245 | 11.983 | 11.962 | 12.006 | VV | 81998  | 1672481  | 15.75%  | 0.358%                             |                                                                                  |
| 246 | 12.023 | 12.006 | 12.049 | VV | 71455  | 1445443  | 13.61%  | 0.310%                             |                                                                                  |

|        |        |        |        |    |        |         | Instrument :<br>FID_G                                                            |        | A |
|--------|--------|--------|--------|----|--------|---------|----------------------------------------------------------------------------------|--------|---|
|        |        |        |        |    |        |         | ClientSampleId :<br>AU-6-042425MSD                                               |        |   |
| rteres |        |        |        |    |        |         |                                                                                  |        | B |
| 247    | 12.072 | 12.049 | 12.115 | VV | 69100  | 2017856 | 19.01%                                                                           | 0.432% |   |
| 248    | 12.140 | 12.115 | 12.178 | VV | 46259  | 1591037 | 14.01%                                                                           | 0.432% |   |
| 249    | 12.198 | 12.178 | 12.214 | VV | 43242  | 880612  | 8.01%                                                                            | 0.432% |   |
| 250    | 12.262 | 12.214 | 12.288 | VV | 383178 | 6243545 | 58.01%                                                                           | 0.432% |   |
|        |        |        |        |    |        |         | Manual IntegrationsAPPROVED                                                      |        | C |
|        |        |        |        |    |        |         | Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |        |   |
| 251    | 12.293 | 12.288 | 12.321 | VV | 48522  | 919457  | 8.01%                                                                            | 0.128% | D |
| 252    | 12.329 | 12.321 | 12.335 | VV | 45465  | 378036  | 3.01%                                                                            | 0.128% |   |
| 253    | 12.343 | 12.335 | 12.358 | VV | 45457  | 596649  | 5.62%                                                                            | 0.128% | E |
| 254    | 12.364 | 12.358 | 12.382 | VV | 43185  | 608768  | 5.73%                                                                            | 0.130% |   |
| 255    | 12.386 | 12.382 | 12.433 | VV | 40721  | 1084301 | 10.21%                                                                           | 0.232% | F |
| 256    | 12.460 | 12.433 | 12.481 | VV | 38411  | 1015639 | 9.57%                                                                            | 0.218% |   |
| 257    | 12.490 | 12.481 | 12.498 | VV | 35914  | 340239  | 3.20%                                                                            | 0.073% | G |
| 258    | 12.516 | 12.498 | 12.524 | VV | 55009  | 736669  | 6.94%                                                                            | 0.158% |   |
| 259    | 12.531 | 12.524 | 12.585 | VV | 56594  | 1736723 | 16.36%                                                                           | 0.372% | H |
| 260    | 12.597 | 12.585 | 12.612 | VV | 42418  | 651145  | 6.13%                                                                            | 0.140% |   |
| 261    | 12.640 | 12.612 | 12.656 | VV | 51378  | 1164552 | 10.97%                                                                           | 0.250% | I |
| 262    | 12.673 | 12.656 | 12.707 | VV | 61683  | 1332466 | 12.55%                                                                           | 0.286% |   |
| 263    | 12.726 | 12.707 | 12.796 | VV | 49309  | 1917668 | 18.06%                                                                           | 0.411% | J |
| 264    | 12.825 | 12.796 | 12.868 | VV | 41314  | 1523354 | 14.35%                                                                           | 0.326% |   |
| 265    | 12.904 | 12.868 | 12.945 | VV | 494952 | 6966793 | 65.62%                                                                           | 1.493% |   |
| 266    | 12.966 | 12.945 | 13.010 | VV | 50492  | 1460673 | 13.76%                                                                           | 0.313% |   |
| 267    | 13.020 | 13.010 | 13.036 | VV | 29105  | 438464  | 4.13%                                                                            | 0.094% |   |
| 268    | 13.046 | 13.036 | 13.105 | VV | 31190  | 1057799 | 9.96%                                                                            | 0.227% |   |
| 269    | 13.120 | 13.105 | 13.132 | VV | 25525  | 388118  | 3.66%                                                                            | 0.083% |   |
| 270    | 13.156 | 13.132 | 13.185 | VV | 41354  | 1063191 | 10.01%                                                                           | 0.228% |   |
| 271    | 13.191 | 13.185 | 13.211 | VV | 32897  | 461967  | 4.35%                                                                            | 0.099% |   |
| 272    | 13.222 | 13.211 | 13.243 | VV | 30544  | 494047  | 4.65%                                                                            | 0.106% |   |
| 273    | 13.265 | 13.243 | 13.281 | VV | 47579  | 813333  | 7.66%                                                                            | 0.174% |   |
| 274    | 13.297 | 13.281 | 13.335 | VV | 40761  | 1032521 | 9.73%                                                                            | 0.221% |   |
| 275    | 13.350 | 13.335 | 13.366 | VV | 33874  | 526657  | 4.96%                                                                            | 0.113% |   |
| 276    | 13.398 | 13.366 | 13.431 | VV | 35296  | 1043739 | 9.83%                                                                            | 0.224% |   |
| 277    | 13.436 | 13.431 | 13.439 | VV | 21066  | 104572  | 0.98%                                                                            | 0.022% |   |
| 278    | 13.450 | 13.439 | 13.480 | VV | 22829  | 498432  | 4.69%                                                                            | 0.107% |   |
| 279    | 13.516 | 13.480 | 13.545 | VV | 203969 | 2981402 | 28.08%                                                                           | 0.639% |   |
| 280    | 13.554 | 13.545 | 13.572 | VV | 26645  | 396877  | 3.74%                                                                            | 0.085% |   |
| 281    | 13.587 | 13.572 | 13.650 | VV | 26451  | 995006  | 9.37%                                                                            | 0.213% |   |
| 282    | 13.655 | 13.650 | 13.663 | VV | 16272  | 119579  | 1.13%                                                                            | 0.026% |   |
| 283    | 13.683 | 13.663 | 13.707 | VV | 18297  | 407795  | 3.84%                                                                            | 0.087% |   |
| 284    | 13.750 | 13.707 | 13.770 | VV | 30106  | 841628  | 7.93%                                                                            | 0.180% |   |
| 285    | 13.793 | 13.770 | 13.811 | VV | 22909  | 505657  | 4.76%                                                                            | 0.108% |   |
| 286    | 13.824 | 13.811 | 13.843 | VV | 19379  | 329696  | 3.11%                                                                            | 0.071% |   |
| 287    | 13.862 | 13.843 | 13.878 | VV | 21172  | 370387  | 3.49%                                                                            | 0.079% |   |
| 288    | 13.897 | 13.878 | 13.919 | VV | 22094  | 445008  | 4.19%                                                                            | 0.095% |   |
| 289    | 13.943 | 13.919 | 13.978 | VV | 24381  | 632614  | 5.96%                                                                            | 0.136% |   |
| 290    | 13.984 | 13.978 | 13.990 | VV | 13434  | 101008  | 0.95%                                                                            | 0.022% |   |
| 291    | 14.013 | 13.990 | 14.034 | VV | 20025  | 444130  | 4.18%                                                                            | 0.095% |   |
| 292    | 14.040 | 14.034 | 14.073 | VV | 15175  | 303259  | 2.86%                                                                            | 0.065% |   |
| 293    | 14.105 | 14.073 | 14.152 | VV | 320915 | 4286782 | 40.38%                                                                           | 0.919% |   |
| 294    | 14.161 | 14.152 | 14.209 | VV | 16323  | 468126  | 4.41%                                                                            | 0.100% |   |
| 295    | 14.220 | 14.209 | 14.240 | VV | 11907  | 195222  | 1.84%                                                                            | 0.042% |   |
| 296    | 14.246 | 14.240 | 14.270 | VV | 9904   | 155015  | 1.46%                                                                            | 0.033% |   |
| 297    | 14.289 | 14.270 | 14.294 | VV | 7962   | 94392   | 0.89%                                                                            | 0.020% |   |
| 298    | 14.336 | 14.294 | 14.362 | VV | 18309  | 559010  | 5.27%                                                                            | 0.120% |   |
| 299    | 14.372 | 14.362 | 14.382 | VV | 11763  | 130066  | 1.23%                                                                            | 0.028% |   |

|     |        |        |        |    |        |         |                                                                                  |        |   |
|-----|--------|--------|--------|----|--------|---------|----------------------------------------------------------------------------------|--------|---|
|     |        |        |        |    |        |         | Instrument :<br>FID_G                                                            |        | A |
|     |        |        |        |    |        |         | ClientSampleId :<br>AU-6-042425MSD                                               |        |   |
| 300 | 14.402 | 14.382 | 14.424 | VV | 11908  | 239697  | 2.26%                                                                            | 0.051% |   |
|     |        |        |        |    |        |         | Manual IntegrationsAPPROVED                                                      |        | B |
| 301 | 14.435 | 14.424 | 14.447 | VV | 9549   | 122095  |                                                                                  |        |   |
| 302 | 14.466 | 14.447 | 14.483 | VV | 16490  | 262847  |                                                                                  |        |   |
| 303 | 14.515 | 14.483 | 14.560 | VV | 16024  | 522295  |                                                                                  |        | C |
| 304 | 14.589 | 14.560 | 14.641 | VV | 22802  | 583310  |                                                                                  |        |   |
| 305 | 14.669 | 14.641 | 14.700 | VV | 80961  | 1188027 |                                                                                  |        | D |
|     |        |        |        |    |        |         | Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |        |   |
| 306 | 14.728 | 14.700 | 14.755 | VV | 33199  | 590838  | 5.57%                                                                            | 0.127% | E |
| 307 | 14.759 | 14.755 | 14.782 | VV | 12716  | 171714  | 1.62%                                                                            | 0.037% |   |
| 308 | 14.793 | 14.782 | 14.825 | VV | 10394  | 205370  | 1.93%                                                                            | 0.044% | F |
| 309 | 14.846 | 14.825 | 14.855 | VV | 6988   | 108217  | 1.02%                                                                            | 0.023% |   |
| 310 | 14.878 | 14.855 | 14.905 | VV | 10206  | 236282  | 2.23%                                                                            | 0.051% | G |
| 311 | 14.924 | 14.905 | 14.935 | VV | 8633   | 134405  | 1.27%                                                                            | 0.029% |   |
| 312 | 14.942 | 14.935 | 14.947 | VV | 7738   | 48763   | 0.46%                                                                            | 0.010% | H |
| 313 | 14.958 | 14.947 | 14.973 | VV | 7568   | 107915  | 1.02%                                                                            | 0.023% |   |
| 314 | 15.007 | 14.973 | 15.039 | VV | 111532 | 1648309 | 15.53%                                                                           | 0.353% | I |
| 315 | 15.065 | 15.039 | 15.084 | VV | 8633   | 173483  | 1.63%                                                                            | 0.037% | J |
| 316 | 15.093 | 15.084 | 15.122 | VV | 4580   | 79510   | 0.75%                                                                            | 0.017% |   |
| 317 | 15.139 | 15.122 | 15.147 | VV | 4360   | 47736   | 0.45%                                                                            | 0.010% |   |
| 318 | 15.173 | 15.147 | 15.180 | VV | 6622   | 103853  | 0.98%                                                                            | 0.022% |   |
| 319 | 15.212 | 15.180 | 15.252 | VV | 224230 | 2921539 | 27.52%                                                                           | 0.626% |   |
| 320 | 15.259 | 15.252 | 15.266 | VV | 3490   | 26975   | 0.25%                                                                            | 0.006% |   |
| 321 | 15.272 | 15.266 | 15.279 | VV | 3346   | 22477   | 0.21%                                                                            | 0.005% |   |
| 322 | 15.306 | 15.279 | 15.334 | VV | 5030   | 123158  | 1.16%                                                                            | 0.026% |   |
| 323 | 15.346 | 15.334 | 15.354 | VV | 2429   | 25107   | 0.24%                                                                            | 0.005% |   |
| 324 | 15.357 | 15.354 | 15.382 | VV | 2249   | 27380   | 0.26%                                                                            | 0.006% |   |
| 325 | 15.406 | 15.382 | 15.427 | PV | 4659   | 61839   | 0.58%                                                                            | 0.013% |   |
| 326 | 15.456 | 15.427 | 15.461 | VV | 2928   | 42478   | 0.40%                                                                            | 0.009% |   |
| 327 | 15.466 | 15.461 | 15.472 | VV | 2968   | 16639   | 0.16%                                                                            | 0.004% |   |
| 328 | 15.490 | 15.472 | 15.507 | VV | 4243   | 70390   | 0.66%                                                                            | 0.015% |   |
| 329 | 15.522 | 15.507 | 15.532 | VV | 3791   | 43709   | 0.41%                                                                            | 0.009% |   |
| 330 | 15.550 | 15.532 | 15.567 | VV | 4228   | 60627   | 0.57%                                                                            | 0.013% |   |
| 331 | 15.594 | 15.567 | 15.662 | VV | 36137  | 695687  | 6.55%                                                                            | 0.149% |   |
| 332 | 15.665 | 15.662 | 15.681 | VV | 2274   | 17693   | 0.17%                                                                            | 0.004% |   |
| 333 | 15.732 | 15.681 | 15.778 | VV | 28448  | 460585  | 4.34%                                                                            | 0.099% |   |
| 334 | 15.786 | 15.778 | 15.800 | VV | 2446   | 28776   | 0.27%                                                                            | 0.006% |   |
| 335 | 15.804 | 15.800 | 15.815 | VV | 2049   | 15522   | 0.15%                                                                            | 0.003% |   |
| 336 | 15.831 | 15.815 | 15.846 | VV | 3924   | 56800   | 0.54%                                                                            | 0.012% |   |
| 337 | 15.865 | 15.846 | 15.898 | VV | 3726   | 64214   | 0.60%                                                                            | 0.014% |   |
| 338 | 15.920 | 15.898 | 15.937 | PV | 2383   | 40486   | 0.38%                                                                            | 0.009% |   |
| 339 | 15.950 | 15.937 | 15.965 | VV | 3252   | 40827   | 0.38%                                                                            | 0.009% |   |
| 340 | 15.996 | 15.965 | 16.020 | VV | 4125   | 98270   | 0.93%                                                                            | 0.021% |   |
| 341 | 16.033 | 16.020 | 16.038 | VV | 3284   | 28047   | 0.26%                                                                            | 0.006% |   |
| 342 | 16.055 | 16.038 | 16.087 | VV | 4428   | 82921   | 0.78%                                                                            | 0.018% |   |
| 343 | 16.122 | 16.087 | 16.145 | VV | 4118   | 91943   | 0.87%                                                                            | 0.020% |   |
| 344 | 16.151 | 16.145 | 16.162 | VV | 2493   | 22907   | 0.22%                                                                            | 0.005% |   |
| 345 | 16.170 | 16.162 | 16.185 | VV | 2819   | 32108   | 0.30%                                                                            | 0.007% |   |
| 346 | 16.191 | 16.185 | 16.197 | VV | 2417   | 14419   | 0.14%                                                                            | 0.003% |   |
| 347 | 16.236 | 16.197 | 16.320 | VV | 184672 | 2545978 | 23.98%                                                                           | 0.546% |   |
| 348 | 16.337 | 16.320 | 16.351 | VV | 1935   | 23897   | 0.23%                                                                            | 0.005% |   |
| 349 | 16.358 | 16.351 | 16.366 | VV | 2093   | 13753   | 0.13%                                                                            | 0.003% |   |
| 350 | 16.369 | 16.366 | 16.387 | VV | 1588   | 13685   | 0.13%                                                                            | 0.003% |   |
| 351 | 16.428 | 16.387 | 16.467 | PV | 4354   | 118658  | 1.12%                                                                            | 0.025% |   |

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 352    | 16.490 | 16.467 | 16.501 | VV | 1739   | 23793   | 0.22%  | 0.005% |  |
| 353    | 16.536 | 16.501 | 16.572 | VV | 5701   | 134730  |        |        |  |
| 354    | 16.615 | 16.572 | 16.657 | VV | 6757   | 181468  |        |        |  |
| 355    | 16.679 | 16.657 | 16.694 | PV | 3258   | 40013   |        |        |  |
| 356    | 16.721 | 16.694 | 16.747 | VV | 23780  | 351138  |        |        |  |
| 357    | 16.753 | 16.747 | 16.760 | VV | 2999   | 21889   |        |        |  |
| 358    | 16.764 | 16.760 | 16.785 | VV | 2970   | 26667   | 0.25%  | 0.006% |  |
| 359    | 16.815 | 16.785 | 16.824 | VV | 3650   | 61562   | 0.58%  | 0.013% |  |
| 360    | 16.851 | 16.824 | 16.898 | VV | 4959   | 138555  | 1.31%  | 0.030% |  |
| 361    | 16.905 | 16.898 | 16.912 | VV | 3191   | 19847   | 0.19%  | 0.004% |  |
| 362    | 16.920 | 16.912 | 16.967 | VV | 3935   | 76211   | 0.72%  | 0.016% |  |
| 363    | 16.992 | 16.967 | 17.001 | PV | 2023   | 24781   | 0.23%  | 0.005% |  |
| 364    | 17.019 | 17.001 | 17.025 | VV | 3332   | 28432   | 0.27%  | 0.006% |  |
| 365    | 17.048 | 17.025 | 17.087 | VV | 5558   | 105496  | 0.99%  | 0.023% |  |
| 366    | 17.112 | 17.087 | 17.133 | VV | 3677   | 62604   | 0.59%  | 0.013% |  |
| 367    | 17.190 | 17.133 | 17.240 | PV | 170296 | 2451607 | 23.09% | 0.525% |  |
| 368    | 17.243 | 17.240 | 17.274 | VV | 3933   | 48774   | 0.46%  | 0.010% |  |
| 369    | 17.279 | 17.274 | 17.284 | VV | 2260   | 8617    | 0.08%  | 0.002% |  |
| 370    | 17.288 | 17.284 | 17.291 | VV | 1090   | 3074    | 0.03%  | 0.001% |  |
| 371    | 17.320 | 17.291 | 17.326 | VV | 1975   | 31831   | 0.30%  | 0.007% |  |
| 372    | 17.333 | 17.326 | 17.340 | VV | 814    | 5067    | 0.05%  | 0.001% |  |
| 373    | 17.360 | 17.340 | 17.378 | PV | 2789   | 34123   | 0.32%  | 0.007% |  |
| 374    | 17.388 | 17.378 | 17.394 | VV | 2484   | 16295   | 0.15%  | 0.003% |  |
| 375    | 17.427 | 17.394 | 17.450 | VV | 7512   | 116009  | 1.09%  | 0.025% |  |
| 376    | 17.473 | 17.450 | 17.482 | VV | 2152   | 33191   | 0.31%  | 0.007% |  |
| 377    | 17.505 | 17.482 | 17.533 | VV | 7166   | 113517  | 1.07%  | 0.024% |  |
| 378    | 17.559 | 17.533 | 17.588 | VV | 6510   | 134099  | 1.26%  | 0.029% |  |
| 379    | 17.601 | 17.588 | 17.617 | VV | 6324   | 76029   | 0.72%  | 0.016% |  |
| 380    | 17.641 | 17.617 | 17.668 | VV | 14031  | 225753  | 2.13%  | 0.048% |  |
| 381    | 17.676 | 17.668 | 17.681 | VV | 3279   | 23114   | 0.22%  | 0.005% |  |
| 382    | 17.684 | 17.681 | 17.699 | VV | 3150   | 21278   | 0.20%  | 0.005% |  |
| 383    | 17.719 | 17.699 | 17.728 | VV | 3900   | 40001   | 0.38%  | 0.009% |  |
| 384    | 17.752 | 17.728 | 17.765 | PV | 5211   | 72697   | 0.68%  | 0.016% |  |
| 385    | 17.770 | 17.765 | 17.787 | VV | 4491   | 30159   | 0.28%  | 0.006% |  |
| 386    | 17.811 | 17.787 | 17.817 | VV | 4966   | 54617   | 0.51%  | 0.012% |  |
| 387    | 17.820 | 17.817 | 17.830 | VV | 4308   | 27219   | 0.26%  | 0.006% |  |
| 388    | 17.846 | 17.830 | 17.869 | VV | 4347   | 73752   | 0.69%  | 0.016% |  |
| 389    | 17.880 | 17.869 | 17.885 | VV | 3277   | 21311   | 0.20%  | 0.005% |  |
| 390    | 17.908 | 17.885 | 17.927 | VV | 5995   | 76278   | 0.72%  | 0.016% |  |
| 391    | 17.931 | 17.927 | 17.935 | VV | 2568   | 8682    | 0.08%  | 0.002% |  |
| 392    | 17.979 | 17.935 | 17.986 | VV | 10080  | 157044  | 1.48%  | 0.034% |  |
| 393    | 17.990 | 17.986 | 17.999 | VV | 8710   | 57081   | 0.54%  | 0.012% |  |
| 394    | 18.010 | 17.999 | 18.017 | VV | 8822   | 79763   | 0.75%  | 0.017% |  |
| 395    | 18.035 | 18.017 | 18.040 | VV | 8678   | 106866  | 1.01%  | 0.023% |  |
| 396    | 18.080 | 18.040 | 18.123 | VV | 172492 | 2584458 | 24.34% | 0.554% |  |
| 397    | 18.128 | 18.123 | 18.135 | VV | 7278   | 46667   | 0.44%  | 0.010% |  |
| 398    | 18.139 | 18.135 | 18.165 | VV | 7449   | 92926   | 0.88%  | 0.020% |  |
| 399    | 18.176 | 18.165 | 18.191 | VV | 7394   | 85180   | 0.80%  | 0.018% |  |
| 400    | 18.218 | 18.191 | 18.237 | VV | 20278  | 353555  | 3.33%  | 0.076% |  |
| 401    | 18.243 | 18.237 | 18.263 | VV | 12765  | 145272  | 1.37%  | 0.031% |  |
| 402    | 18.273 | 18.263 | 18.289 | VV | 9775   | 127283  | 1.20%  | 0.027% |  |
| 403    | 18.305 | 18.289 | 18.316 | VV | 7625   | 110495  | 1.04%  | 0.024% |  |
| 404    | 18.320 | 18.316 | 18.335 | VV | 6470   | 60639   | 0.57%  | 0.013% |  |

Instrument :

FID\_G

ClientSampleId :

AU-6-042425MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

|        |        |        |        |    |        |         | Instrument :<br>FID_G                    |        | A |
|--------|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|        |        |        |        |    |        |         | ClientSampleId :<br>AU-6-042425MSD       |        |   |
| rteres |        |        |        |    |        |         | 0.94% 0.021%                             |        | B |
| 405    | 18.349 | 18.335 | 18.364 | VV | 6867   | 100157  | Manual IntegrationsAPPROVED              |        | C |
| 406    | 18.365 | 18.364 | 18.375 | VV | 6238   | 35578   |                                          |        | D |
| 407    | 18.444 | 18.375 | 18.477 | VV | 28897  | 891749  |                                          |        | E |
| 408    | 18.504 | 18.477 | 18.529 | VV | 28718  | 564689  | Reviewed By :Yogesh Patel 04/30/2025     |        | F |
| 409    | 18.533 | 18.529 | 18.540 | VV | 12190  | 78344   | Supervised By :mohammad ahmed 05/02/2025 |        | G |
| 410    | 18.591 | 18.540 | 18.614 | VV | 21728  | 702699  |                                          |        | H |
| 411    | 18.621 | 18.614 | 18.639 | VV | 14999  | 204533  | 1.93%                                    | 0.044% | I |
| 412    | 18.662 | 18.639 | 18.694 | VV | 17803  | 466674  | 4.40%                                    | 0.100% | J |
| 413    | 18.713 | 18.694 | 18.735 | VV | 18579  | 386622  | 3.64%                                    | 0.083% |   |
| 414    | 18.753 | 18.735 | 18.757 | VV | 16705  | 203210  | 1.91%                                    | 0.044% |   |
| 415    | 18.767 | 18.757 | 18.777 | VV | 16307  | 175690  | 1.65%                                    | 0.038% |   |
| 416    | 18.786 | 18.777 | 18.804 | VV | 15686  | 228301  | 2.15%                                    | 0.049% |   |
| 417    | 18.809 | 18.804 | 18.818 | VV | 14659  | 107015  | 1.01%                                    | 0.023% |   |
| 418    | 18.837 | 18.818 | 18.843 | VV | 15406  | 213819  | 2.01%                                    | 0.046% |   |
| 419    | 18.875 | 18.843 | 18.883 | VV | 22106  | 427480  | 4.03%                                    | 0.092% |   |
| 420    | 18.917 | 18.883 | 18.944 | VV | 160221 | 2629839 | 24.77%                                   | 0.563% |   |
| 421    | 18.949 | 18.944 | 18.954 | VV | 18955  | 98151   | 0.92%                                    | 0.021% |   |
| 422    | 18.984 | 18.954 | 18.992 | VV | 22309  | 466001  | 4.39%                                    | 0.100% |   |
| 423    | 19.019 | 18.992 | 19.032 | VV | 31732  | 646368  | 6.09%                                    | 0.138% |   |
| 424    | 19.065 | 19.032 | 19.087 | VV | 33730  | 895933  | 8.44%                                    | 0.192% |   |
| 425    | 19.093 | 19.087 | 19.099 | VV | 25504  | 181729  | 1.71%                                    | 0.039% |   |
| 426    | 19.109 | 19.099 | 19.135 | VV | 27784  | 543699  | 5.12%                                    | 0.116% |   |
| 427    | 19.167 | 19.135 | 19.172 | VV | 28113  | 524359  | 4.94%                                    | 0.112% |   |
| 428    | 19.202 | 19.172 | 19.207 | VV | 29281  | 577017  | 5.44%                                    | 0.124% |   |
| 429    | 19.211 | 19.207 | 19.221 | VV | 28197  | 230458  | 2.17%                                    | 0.049% |   |
| 430    | 19.234 | 19.221 | 19.247 | VV | 27408  | 376604  | 3.55%                                    | 0.081% |   |
| 431    | 19.273 | 19.247 | 19.295 | VV | 47127  | 1035422 | 9.75%                                    | 0.222% |   |
| 432    | 19.316 | 19.295 | 19.338 | VV | 46648  | 1014884 | 9.56%                                    | 0.217% |   |
| 433    | 19.352 | 19.338 | 19.365 | VV | 42707  | 618477  | 5.83%                                    | 0.133% |   |
| 434    | 19.384 | 19.365 | 19.390 | VV | 35306  | 473812  | 4.46%                                    | 0.102% |   |
| 435    | 19.418 | 19.390 | 19.427 | VV | 40674  | 845706  | 7.97%                                    | 0.181% |   |
| 436    | 19.445 | 19.427 | 19.459 | VV | 44475  | 755232  | 7.11%                                    | 0.162% |   |
| 437    | 19.475 | 19.459 | 19.485 | VV | 40582  | 611578  | 5.76%                                    | 0.131% |   |
| 438    | 19.490 | 19.485 | 19.502 | VV | 41033  | 400030  | 3.77%                                    | 0.086% |   |
| 439    | 19.510 | 19.502 | 19.515 | VV | 43318  | 327482  | 3.08%                                    | 0.070% |   |
| 440    | 19.522 | 19.515 | 19.537 | VV | 41634  | 514768  | 4.85%                                    | 0.110% |   |
| 441    | 19.545 | 19.537 | 19.551 | VV | 41675  | 319838  | 3.01%                                    | 0.069% |   |
| 442    | 19.554 | 19.551 | 19.561 | VV | 38379  | 222140  | 2.09%                                    | 0.048% |   |
| 443    | 19.566 | 19.561 | 19.572 | VV | 38525  | 245369  | 2.31%                                    | 0.053% |   |
| 444    | 19.580 | 19.572 | 19.590 | VV | 38786  | 406960  | 3.83%                                    | 0.087% |   |
| 445    | 19.608 | 19.590 | 19.624 | VV | 42894  | 735529  | 6.93%                                    | 0.158% |   |
| 446    | 19.629 | 19.624 | 19.632 | VV | 36932  | 184647  | 1.74%                                    | 0.040% |   |
| 447    | 19.653 | 19.632 | 19.665 | VV | 39291  | 734478  | 6.92%                                    | 0.157% |   |
| 448    | 19.703 | 19.665 | 19.727 | VV | 124614 | 2703402 | 25.46%                                   | 0.579% |   |
| 449    | 19.733 | 19.727 | 19.744 | VV | 51140  | 484803  | 4.57%                                    | 0.104% |   |
| 450    | 19.747 | 19.744 | 19.753 | VV | 49337  | 258817  | 2.44%                                    | 0.055% |   |
| 451    | 19.760 | 19.753 | 19.772 | VV | 51134  | 551182  | 5.19%                                    | 0.118% |   |
| 452    | 19.808 | 19.772 | 19.829 | VV | 62906  | 1842307 | 17.35%                                   | 0.395% |   |
| 453    | 19.832 | 19.829 | 19.841 | VV | 58107  | 412375  | 3.88%                                    | 0.088% |   |
| 454    | 19.848 | 19.841 | 19.853 | VV | 54465  | 369210  | 3.48%                                    | 0.079% |   |
| 455    | 19.877 | 19.853 | 19.894 | VV | 55330  | 1290352 | 12.15%                                   | 0.276% |   |
| 456    | 19.901 | 19.894 | 19.907 | VV | 53879  | 423611  | 3.99%                                    | 0.091% |   |



|     |        |        |        |    |        |         |        |        |  |
|-----|--------|--------|--------|----|--------|---------|--------|--------|--|
|     |        |        |        |    | rters  |         |        |        |  |
| 457 | 19.909 | 19.907 | 19.912 | VV | 53076  | 161076  | 1.52%  | 0.035% |  |
| 458 | 19.923 | 19.912 | 19.929 | VV | 61084  | 560877  |        |        |  |
| 459 | 19.934 | 19.929 | 19.943 | VV | 58332  | 479092  |        |        |  |
| 460 | 19.954 | 19.943 | 19.970 | VV | 63071  | 922686  |        |        |  |
| 461 | 20.000 | 19.970 | 20.023 | VV | 64968  | 1885314 | 17.04% | 0.388% |  |
| 462 | 20.067 | 20.023 | 20.072 | VV | 72872  | 1906565 | 17.04% | 0.388% |  |
| 463 | 20.080 | 20.072 | 20.097 | VV | 76274  | 1065326 | 10.03% | 0.228% |  |
| 464 | 20.116 | 20.097 | 20.121 | VV | 75526  | 974946  | 9.18%  | 0.209% |  |
| 465 | 20.124 | 20.121 | 20.135 | VV | 72354  | 591200  | 5.57%  | 0.127% |  |
| 466 | 20.163 | 20.135 | 20.178 | VV | 70564  | 1714054 | 16.15% | 0.367% |  |
| 467 | 20.184 | 20.178 | 20.194 | VV | 69660  | 634877  | 5.98%  | 0.136% |  |
| 468 | 20.217 | 20.194 | 20.225 | VV | 73340  | 1320042 | 12.43% | 0.283% |  |
| 469 | 20.236 | 20.225 | 20.248 | VV | 77407  | 988019  | 9.31%  | 0.212% |  |
| 470 | 20.275 | 20.248 | 20.290 | VV | 74668  | 1809269 | 17.04% | 0.388% |  |
| 471 | 20.295 | 20.290 | 20.300 | VV | 73334  | 428995  | 4.04%  | 0.092% |  |
| 472 | 20.318 | 20.300 | 20.331 | VV | 76290  | 1353851 | 12.75% | 0.290% |  |
| 473 | 20.346 | 20.331 | 20.376 | VV | 85705  | 2129804 | 20.06% | 0.456% |  |
| 474 | 20.384 | 20.376 | 20.389 | VV | 80055  | 616060  | 5.80%  | 0.132% |  |
| 475 | 20.449 | 20.389 | 20.468 | VV | 146208 | 4714797 | 44.41% | 1.010% |  |
| 476 | 20.471 | 20.468 | 20.478 | VV | 90010  | 522536  | 4.92%  | 0.112% |  |
| 477 | 20.509 | 20.478 | 20.524 | VV | 101881 | 2537618 | 23.90% | 0.544% |  |
| 478 | 20.527 | 20.524 | 20.534 | VV | 97957  | 573263  | 5.40%  | 0.123% |  |
| 479 | 20.545 | 20.534 | 20.567 | VV | 94658  | 1793122 | 16.89% | 0.384% |  |
| 480 | 20.588 | 20.567 | 20.601 | VV | 94656  | 1868433 | 17.60% | 0.400% |  |
| 481 | 20.640 | 20.601 | 20.646 | VV | 96524  | 2416039 | 22.76% | 0.518% |  |
| 482 | 20.671 | 20.646 | 20.684 | VV | 98332  | 2144923 | 20.20% | 0.460% |  |
| 483 | 20.691 | 20.684 | 20.701 | VV | 96626  | 928547  | 8.75%  | 0.199% |  |
| 484 | 20.714 | 20.701 | 20.719 | VV | 98710  | 1037021 | 9.77%  | 0.222% |  |
| 485 | 20.728 | 20.719 | 20.735 | VV | 100512 | 954980  | 9.00%  | 0.205% |  |
| 486 | 20.748 | 20.735 | 20.762 | VV | 101636 | 1556050 | 14.66% | 0.333% |  |
| 487 | 20.797 | 20.762 | 20.817 | VV | 108050 | 3370903 | 31.75% | 0.722% |  |
| 488 | 20.826 | 20.817 | 20.835 | VV | 103273 | 1057417 | 9.96%  | 0.227% |  |
| 489 | 20.841 | 20.835 | 20.880 | VV | 100487 | 2537929 | 23.91% | 0.544% |  |
| 490 | 20.886 | 20.880 | 20.897 | VV | 92737  | 882961  | 8.32%  | 0.189% |  |
| 491 | 20.907 | 20.897 | 20.914 | VV | 86118  | 845636  | 7.97%  | 0.181% |  |
| 492 | 20.923 | 20.914 | 20.933 | VV | 82857  | 926648  | 8.73%  | 0.199% |  |
| 493 | 20.942 | 20.933 | 20.968 | VV | 83431  | 1683896 | 15.86% | 0.361% |  |
| 494 | 20.975 | 20.968 | 20.987 | VV | 82825  | 845576  | 7.96%  | 0.181% |  |
| 495 | 20.998 | 20.987 | 21.003 | VV | 81269  | 778250  | 7.33%  | 0.167% |  |
| 496 | 21.017 | 21.003 | 21.027 | VV | 85662  | 1181075 | 11.12% | 0.253% |  |
| 497 | 21.032 | 21.027 | 21.052 | VV | 86929  | 1244427 | 11.72% | 0.267% |  |
| 498 | 21.060 | 21.052 | 21.065 | VV | 88880  | 701696  | 6.61%  | 0.150% |  |
| 499 | 21.070 | 21.065 | 21.082 | VV | 88504  | 857469  | 8.08%  | 0.184% |  |
| 500 | 21.106 | 21.082 | 21.118 | VV | 84751  | 1721434 | 16.21% | 0.369% |  |
| 501 | 21.125 | 21.118 | 21.142 | VV | 82366  | 1098055 | 10.34% | 0.235% |  |
| 502 | 21.148 | 21.142 | 21.160 | VV | 79889  | 845310  | 7.96%  | 0.181% |  |
| 503 | 21.188 | 21.160 | 21.240 | VV | 111670 | 4064010 | 38.28% | 0.871% |  |
| 504 | 21.249 | 21.240 | 21.258 | VV | 68260  | 701399  | 6.61%  | 0.150% |  |
| 505 | 21.265 | 21.258 | 21.291 | VV | 65826  | 1272708 | 11.99% | 0.273% |  |
| 506 | 21.312 | 21.291 | 21.317 | VV | 65799  | 982054  | 9.25%  | 0.210% |  |
| 507 | 21.356 | 21.317 | 21.364 | VV | 71264  | 1855929 | 17.48% | 0.398% |  |
| 508 | 21.368 | 21.364 | 21.381 | VV | 70193  | 682847  | 6.43%  | 0.146% |  |
| 509 | 21.394 | 21.381 | 21.414 | VV | 71462  | 1315537 | 12.39% | 0.282% |  |

Instrument :

FID\_G

ClientSampleId :

AU-6-042425MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

|                         |        |        |        |     |           |         |        |                                    |                                                                                  |
|-------------------------|--------|--------|--------|-----|-----------|---------|--------|------------------------------------|----------------------------------------------------------------------------------|
|                         |        |        |        |     |           |         |        | Instrument :<br>FID_G              |                                                                                  |
|                         |        |        |        |     |           |         |        | ClientSampleId :<br>AU-6-042425MSD |                                                                                  |
| 510                     | 21.425 | 21.414 | 21.463 | VV  | 69192     | 1801424 | 16.97% | 0.386%                             | Manual IntegrationsAPPROVED                                                      |
| 511                     | 21.468 | 21.463 | 21.490 | VV  | 56081     | 864093  |        |                                    |                                                                                  |
| 512                     | 21.499 | 21.490 | 21.508 | VV  | 53969     | 513996  |        |                                    |                                                                                  |
| 513                     | 21.513 | 21.508 | 21.527 | VV  | 49501     | 541535  |        |                                    |                                                                                  |
| 514                     | 21.535 | 21.527 | 21.567 | VV  | 49494     | 1122242 | 10.58% | 0.386%                             |                                                                                  |
| 515                     | 21.577 | 21.567 | 21.589 | VV  | 46030     | 573779  | 5.14%  | 0.386%                             | Reviewed By :Yogesh Patel 04/30/2025<br>Supervised By :mohammad ahmed 05/02/2025 |
| 516                     | 21.631 | 21.589 | 21.638 | VV  | 60054     | 1562975 | 14.72% | 0.335%                             |                                                                                  |
| 517                     | 21.645 | 21.638 | 21.654 | VV  | 55857     | 523686  | 4.93%  | 0.112%                             |                                                                                  |
| 518                     | 21.658 | 21.654 | 21.663 | VV  | 55521     | 274409  | 2.58%  | 0.059%                             |                                                                                  |
| 519                     | 21.673 | 21.663 | 21.682 | VV  | 54877     | 606466  | 5.71%  | 0.130%                             |                                                                                  |
| 520                     | 21.699 | 21.682 | 21.705 | VV  | 56848     | 721585  | 6.80%  | 0.155%                             |                                                                                  |
| 521                     | 21.718 | 21.705 | 21.725 | VV  | 56485     | 653403  | 6.15%  | 0.140%                             |                                                                                  |
| 522                     | 21.735 | 21.725 | 21.748 | VV  | 55708     | 694147  | 6.54%  | 0.149%                             |                                                                                  |
| 523                     | 21.752 | 21.748 | 21.759 | VV  | 54038     | 356285  | 3.36%  | 0.076%                             |                                                                                  |
| 524                     | 21.768 | 21.759 | 21.779 | VV  | 48924     | 543200  | 5.12%  | 0.116%                             |                                                                                  |
| 525                     | 21.784 | 21.779 | 21.799 | VV  | 43788     | 496479  | 4.68%  | 0.106%                             |                                                                                  |
| 526                     | 21.809 | 21.799 | 21.822 | VV  | 42241     | 545459  | 5.14%  | 0.117%                             |                                                                                  |
| 527                     | 21.827 | 21.822 | 21.833 | VV  | 39232     | 231885  | 2.18%  | 0.050%                             |                                                                                  |
| 528                     | 21.838 | 21.833 | 21.873 | VV  | 38688     | 716426  | 6.75%  | 0.154%                             |                                                                                  |
| 529                     | 21.884 | 21.873 | 21.891 | VV  | 31115     | 286814  | 2.70%  | 0.061%                             |                                                                                  |
| 530                     | 21.897 | 21.891 | 21.910 | VV  | 28323     | 267661  | 2.52%  | 0.057%                             |                                                                                  |
| 531                     | 21.920 | 21.910 | 21.930 | VV  | 25954     | 257257  | 2.42%  | 0.055%                             |                                                                                  |
| 532                     | 21.936 | 21.930 | 21.948 | VV  | 19949     | 176389  | 1.66%  | 0.038%                             |                                                                                  |
| 533                     | 21.952 | 21.948 | 21.957 | VV  | 18181     | 90344   | 0.85%  | 0.019%                             |                                                                                  |
| 534                     | 21.987 | 21.957 | 21.999 | VV  | 23577     | 481300  | 4.53%  | 0.103%                             |                                                                                  |
| 535                     | 22.008 | 21.999 | 22.019 | VV  | 24409     | 252632  | 2.38%  | 0.054%                             |                                                                                  |
| 536                     | 22.027 | 22.019 | 22.037 | VV  | 26899     | 252650  | 2.38%  | 0.054%                             |                                                                                  |
| 537                     | 22.060 | 22.037 | 22.066 | VV  | 29577     | 390722  | 3.68%  | 0.084%                             |                                                                                  |
| 538                     | 22.120 | 22.066 | 22.159 | VV  | 52103     | 1977763 | 18.63% | 0.424%                             |                                                                                  |
| 539                     | 22.174 | 22.159 | 22.204 | VV  | 26447     | 500445  | 4.71%  | 0.107%                             |                                                                                  |
| 540                     | 22.210 | 22.204 | 22.220 | VV  | 17116     | 141393  | 1.33%  | 0.030%                             |                                                                                  |
| 541                     | 22.225 | 22.220 | 22.244 | VV  | 15105     | 195353  | 1.84%  | 0.042%                             |                                                                                  |
| 542                     | 22.256 | 22.244 | 22.266 | VV  | 19165     | 203868  | 1.92%  | 0.044%                             |                                                                                  |
| 543                     | 22.270 | 22.266 | 22.292 | VV  | 16548     | 219729  | 2.07%  | 0.047%                             |                                                                                  |
| 544                     | 22.299 | 22.292 | 22.327 | VV  | 14171     | 223272  | 2.10%  | 0.048%                             |                                                                                  |
| 545                     | 22.339 | 22.327 | 22.367 | VV  | 11834     | 132846  | 1.25%  | 0.028%                             |                                                                                  |
| 546                     | 22.371 | 22.367 | 22.378 | VV  | 6008      | 22986   | 0.22%  | 0.005%                             |                                                                                  |
| 547                     | 22.389 | 22.378 | 22.400 | PBA | 8585      | 165893  | 1.56%  | 0.036%                             |                                                                                  |
| Sum of corrected areas: |        |        |        |     | 466710168 |         |        |                                    |                                                                                  |

FG042425.M Wed Apr 30 02:15:07 2025



### Manual Integration Report

| Sample ID   | ClientID ID | File ID    | Sequence ID | Parameter                | Supervised By | Supervised On       | Reason                                  |
|-------------|-------------|------------|-------------|--------------------------|---------------|---------------------|-----------------------------------------|
| PB167783BS  |             | FG015774.D | FG042925    | N-DOTRIACONTANE          | mohammad      | 5/2/2025 3:02:56 AM | Peak Integrated by Software incorrectly |
| Q1877-01MS  |             | FG015776.D | FG042925    | N-DOCOSANE               | mohammad      | 5/2/2025 3:03:00 AM | Peak Integrated by Software incorrectly |
| Q1877-01MS  |             | FG015776.D | FG042925    | N-EICOSANE               | mohammad      | 5/2/2025 3:03:00 AM | Peak Integrated by Software incorrectly |
| Q1877-01MS  |             | FG015776.D | FG042925    | N-HEXADECANE             | mohammad      | 5/2/2025 3:03:00 AM | Peak Integrated by Software incorrectly |
| Q1877-01MS  |             | FG015776.D | FG042925    | N-OCTADECANE             | mohammad      | 5/2/2025 3:03:00 AM | Peak Integrated by Software incorrectly |
| Q1877-01MS  |             | FG015776.D | FG042925    | N-TETRADECANE            | mohammad      | 5/2/2025 3:03:00 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-DODECANE               | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-EICOSANE               | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-HEXADECANE             | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-OCTADECANE             | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-TETRACONTANE           | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1877-01MSD |             | FG015777.D | FG042925    | N-TETRADECANE            | mohammad      | 5/2/2025 3:03:02 AM | Peak Integrated by Software incorrectly |
| Q1907-01    |             | FG015778.D | FG042925    | TETRACOSANE-d50 (SURROGA | mohammad      | 5/2/2025 3:03:05 AM | Peak Integrated by Software incorrectly |
| Q1877-01    |             | FG015779.D | FG042925    | TETRACOSANE-d50 (SURROGA | mohammad      | 5/2/2025 3:03:09 AM | Peak Integrated by Software incorrectly |
|             |             |            |             |                          |               |                     |                                         |

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042425**

|                                                                                                    |                                         |                   |                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|-------------------------------|
| Review By                                                                                          | yogesh                                  | Review On         | 4/24/2025 12:59:08 PM         |
| Supervise By                                                                                       | mohammad                                | Supervise On      | 4/26/2025 2:19:49 AM          |
| SubDirectory                                                                                       | FG042425                                | HP Acquire Method | HP Processing Method FG042425 |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                        |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24467,PP24469,PP24470,PP24471,PP24472 |                   |                               |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24468,PP24473                         |                   |                               |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | MECL2        | FG015754.D     | 24 Apr 2025 09:50 | YP\AJ    | Ok     |
| 2   | I.BLK        | FG015755.D     | 24 Apr 2025 10:19 | YP\AJ    | Ok     |
| 3   | 100 TRPH STD | FG015756.D     | 24 Apr 2025 10:48 | YP\AJ    | Ok     |
| 4   | 50 TRPH STD  | FG015757.D     | 24 Apr 2025 11:17 | YP\AJ    | Ok     |
| 5   | 20 TRPH STD  | FG015758.D     | 24 Apr 2025 11:46 | YP\AJ    | Ok     |
| 6   | 10 TRPH STD  | FG015759.D     | 24 Apr 2025 12:16 | YP\AJ    | Ok     |
| 7   | 5 TRPH STD   | FG015760.D     | 24 Apr 2025 12:45 | YP\AJ    | Ok     |
| 8   | FG042225ICV  | FG015761.D     | 24 Apr 2025 13:14 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042925**

|                                                                    |                                         |                   |                               |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|-------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/29/2025 2:41:54 PM          |
| Supervise By                                                       | mohammad                                | Supervise On      | 5/2/2025 3:03:36 AM           |
| SubDirectory                                                       | FG042925                                | HP Acquire Method | HP Processing Method FG042425 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24467,PP24469,PP24470,PP24471,PP24472 |                   |                               |
| CCC<br>Internal Standard/PEM                                       | PP24469                                 |                   |                               |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24468,PP24473                         |                   |                               |

| Sr# | SampleId        | Data File Name | Date-Time         | Operator | Status   |
|-----|-----------------|----------------|-------------------|----------|----------|
| 1   | MECL2           | FG015762.D     | 29 Apr 2025 11:55 | YP\AJ    | Ok       |
| 2   | I.BLK           | FG015763.D     | 29 Apr 2025 12:24 | YP\AJ    | Ok       |
| 3   | 50 PPM TRPH STD | FG015764.D     | 29 Apr 2025 12:53 | YP\AJ    | Ok       |
| 4   | RT MARKER       | FG015765.D     | 29 Apr 2025 13:52 | YP\AJ    | Ok       |
| 5   | Q1901-02        | FG015766.D     | 29 Apr 2025 14:51 | YP\AJ    | Ok       |
| 6   | Q1901-03        | FG015767.D     | 29 Apr 2025 15:20 | YP\AJ    | Ok       |
| 7   | Q1901-04        | FG015768.D     | 29 Apr 2025 15:49 | YP\AJ    | Ok       |
| 8   | Q1901-05        | FG015769.D     | 29 Apr 2025 16:19 | YP\AJ    | Ok       |
| 9   | Q1907-01        | FG015770.D     | 29 Apr 2025 16:48 | YP\AJ    | Dilution |
| 10  | I.BLK           | FG015771.D     | 29 Apr 2025 17:17 | YP\AJ    | Ok       |
| 11  | 50 PPM TRPH STD | FG015772.D     | 29 Apr 2025 18:16 | YP\AJ    | Ok       |
| 12  | PB167783BL      | FG015773.D     | 29 Apr 2025 19:15 | YP\AJ    | Ok       |
| 13  | PB167783BS      | FG015774.D     | 29 Apr 2025 19:44 | YP\AJ    | Ok,M     |
| 14  | Q1877-01        | FG015775.D     | 29 Apr 2025 20:14 | YP\AJ    | Dilution |
| 15  | Q1877-01MS      | FG015776.D     | 29 Apr 2025 20:43 | YP\AJ    | Ok,M     |
| 16  | Q1877-01MSD     | FG015777.D     | 29 Apr 2025 21:13 | YP\AJ    | Ok,M     |
| 17  | Q1907-01        | FG015778.D     | 29 Apr 2025 21:42 | YP\AJ    | Ok,M     |
| 18  | Q1877-01        | FG015779.D     | 29 Apr 2025 22:11 | YP\AJ    | Ok,M     |
| 19  | I.BLK           | FG015780.D     | 29 Apr 2025 22:41 | YP\AJ    | Ok       |
| 20  | 50 PPM TRPH STD | FG015781.D     | 29 Apr 2025 23:40 | YP\AJ    | Ok       |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042425**

|                                                                                                    |                                         |                   |                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|-------------------------------|
| Review By                                                                                          | yogesh                                  | Review On         | 4/24/2025 12:59:08 PM         |
| Supervise By                                                                                       | mohammad                                | Supervise On      | 4/26/2025 2:19:49 AM          |
| SubDirectory                                                                                       | FG042425                                | HP Acquire Method | HP Processing Method FG042425 |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                        |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24467,PP24469,PP24470,PP24471,PP24472 |                   |                               |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24468,PP24473                         |                   |                               |

| Sr# | SampleID     | ClientID | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|--------------|----------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2        |          | FG015754.D     | 24 Apr 2025 09:50 |         | YP\AJ    | Ok     |
| 2   | I.BLK        |          | FG015755.D     | 24 Apr 2025 10:19 |         | YP\AJ    | Ok     |
| 3   | 100 TRPH STD |          | FG015756.D     | 24 Apr 2025 10:48 |         | YP\AJ    | Ok     |
| 4   | 50 TRPH STD  |          | FG015757.D     | 24 Apr 2025 11:17 |         | YP\AJ    | Ok     |
| 5   | 20 TRPH STD  |          | FG015758.D     | 24 Apr 2025 11:46 |         | YP\AJ    | Ok     |
| 6   | 10 TRPH STD  |          | FG015759.D     | 24 Apr 2025 12:16 |         | YP\AJ    | Ok     |
| 7   | 5 TRPH STD   |          | FG015760.D     | 24 Apr 2025 12:45 |         | YP\AJ    | Ok     |
| 8   | FG042225ICV  |          | FG015761.D     | 24 Apr 2025 13:14 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042925**

|                                         |                                         |                   |                               |
|-----------------------------------------|-----------------------------------------|-------------------|-------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/29/2025 2:41:54 PM          |
| Supervise By                            | mohammad                                | Supervise On      | 5/2/2025 3:03:36 AM           |
| SubDirectory                            | FG042925                                | HP Acquire Method | HP Processing Method FG042425 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds | PP24467,PP24469,PP24470,PP24471,PP24472 |                   |                               |
| CCC                                     | PP24469                                 |                   |                               |
| Internal Standard/PEM                   | PP24468,PP24473                         |                   |                               |
| ICV/I.BLK                               |                                         |                   |                               |
| Surrogate Standard                      |                                         |                   |                               |
| MS/MSD Standard                         |                                         |                   |                               |
| LCS Standard                            |                                         |                   |                               |

| Sr# | SampleID        | ClientID | Data File Name | Date-Time         | Comment           | Operator | Status   |
|-----|-----------------|----------|----------------|-------------------|-------------------|----------|----------|
| 1   | MECL2           |          | FG015762.D     | 29 Apr 2025 11:55 |                   | YPIAJ    | Ok       |
| 2   | I.BLK           |          | FG015763.D     | 29 Apr 2025 12:24 |                   | YPIAJ    | Ok       |
| 3   | 50 PPM TRPH STD |          | FG015764.D     | 29 Apr 2025 12:53 |                   | YPIAJ    | Ok       |
| 4   | RT MARKER       |          | FG015765.D     | 29 Apr 2025 13:52 |                   | YPIAJ    | Ok       |
| 5   | Q1901-02        |          | FG015766.D     | 29 Apr 2025 14:51 |                   | YPIAJ    | Ok       |
| 6   | Q1901-03        |          | FG015767.D     | 29 Apr 2025 15:20 |                   | YPIAJ    | Ok       |
| 7   | Q1901-04        |          | FG015768.D     | 29 Apr 2025 15:49 |                   | YPIAJ    | Ok       |
| 8   | Q1901-05        |          | FG015769.D     | 29 Apr 2025 16:19 |                   | YPIAJ    | Ok       |
| 9   | Q1907-01        |          | FG015770.D     | 29 Apr 2025 16:48 | need 10x dilution | YPIAJ    | Dilution |
| 10  | I.BLK           |          | FG015771.D     | 29 Apr 2025 17:17 |                   | YPIAJ    | Ok       |
| 11  | 50 PPM TRPH STD |          | FG015772.D     | 29 Apr 2025 18:16 |                   | YPIAJ    | Ok       |
| 12  | PB167783BL      |          | FG015773.D     | 29 Apr 2025 19:15 |                   | YPIAJ    | Ok       |
| 13  | PB167783BS      |          | FG015774.D     | 29 Apr 2025 19:44 |                   | YPIAJ    | Ok,M     |
| 14  | Q1877-01        |          | FG015775.D     | 29 Apr 2025 20:14 | need 10x dilution | YPIAJ    | Dilution |
| 15  | Q1877-01MS      |          | FG015776.D     | 29 Apr 2025 20:43 |                   | YPIAJ    | Ok,M     |
| 16  | Q1877-01MSD     |          | FG015777.D     | 29 Apr 2025 21:13 |                   | YPIAJ    | Ok,M     |
| 17  | Q1907-01        |          | FG015778.D     | 29 Apr 2025 21:42 |                   | YPIAJ    | Ok,M     |
| 18  | Q1877-01        |          | FG015779.D     | 29 Apr 2025 22:11 |                   | YPIAJ    | Ok,M     |

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042925**

| Review By                               | yogesh                                  | Review On         | 4/29/2025 2:41:54 PM          |
|-----------------------------------------|-----------------------------------------|-------------------|-------------------------------|
| Supervise By                            | mohammad                                | Supervise On      | 5/2/2025 3:03:36 AM           |
| SubDirectory                            | FG042925                                | HP Acquire Method | HP Processing Method FG042425 |
| STD. NAME                               | STD REF.#                               |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds | PP24467,PP24469,PP24470,PP24471,PP24472 |                   |                               |
| CCC                                     | PP24469                                 |                   |                               |
| Internal Standard/PEM                   |                                         |                   |                               |
| ICV/I.BLK                               | PP24468,PP24473                         |                   |                               |
| Surrogate Standard                      |                                         |                   |                               |
| MS/MSD Standard                         |                                         |                   |                               |
| LCS Standard                            |                                         |                   |                               |

|    |                 |  |            |                   |  |       |    |
|----|-----------------|--|------------|-------------------|--|-------|----|
| 19 | I.BLK           |  | FG015780.D | 29 Apr 2025 22:41 |  | YP\AJ | Ok |
| 20 | 50 PPM TRPH STD |  | FG015781.D | 29 Apr 2025 23:40 |  | YP\AJ | Ok |

M : Manual Integration

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                              |                                                                                                                                                                                                                      |                                |            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>               | M3541-ASE Extraction-14                                                                                                                                                                                              |                                |            |
| <b>Clean Up SOP #:</b>       | N/A                                                                                                                                                                                                                  | <b>Extraction Start Date :</b> | 04/29/2025 |
| <b>Matrix :</b>              | Solid                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 10:49      |
| <b>Weigh By:</b>             | EH                                                                                                                                                                                                                   | <b>Extraction By:</b>          | RJ         |
| <b>Balance check:</b>        | RJ                                                                                                                                                                                                                   | <b>Filter By:</b>              | RJ         |
| <b>Balance ID:</b>           | EX-SC-2                                                                                                                                                                                                              | <b>pH Meter ID:</b>            | N/A        |
| <b>pH Strip Lot#:</b>        | E3880                                                                                                                                                                                                                | <b>Hood ID:</b>                | 3,7        |
| <b>Extraction Method:</b>    | <input type="checkbox"/> Seperatory Funnel <input type="checkbox"/> Continious Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input checked="" type="checkbox"/> Soxhlet |                                |            |
| <b>Extraction End Date :</b> | 04/29/2025                                                                                                                                                                                                           |                                |            |
| <b>Extraction End Time :</b> | 13:50                                                                                                                                                                                                                |                                |            |
| <b>Concentration By:</b>     | EH                                                                                                                                                                                                                   |                                |            |
| <b>Supervisor By :</b>       | RUPESH                                                                                                                                                                                                               |                                |            |

| Standarded Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-----------------|----------|---------------------|---------------------|
| Spike Sol 1     | 1.0ML    | 20 PPM              | PP24162             |
| Surrogate       | 1.0ML    | 20 PPM              | PP24180             |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2600     |
| Baked Na2SO4       | N/A            | EP2607     |
| Sand               | N/A            | E2865      |
| Methylene Chloride | N/A            | E3926      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial lot# 2210673.

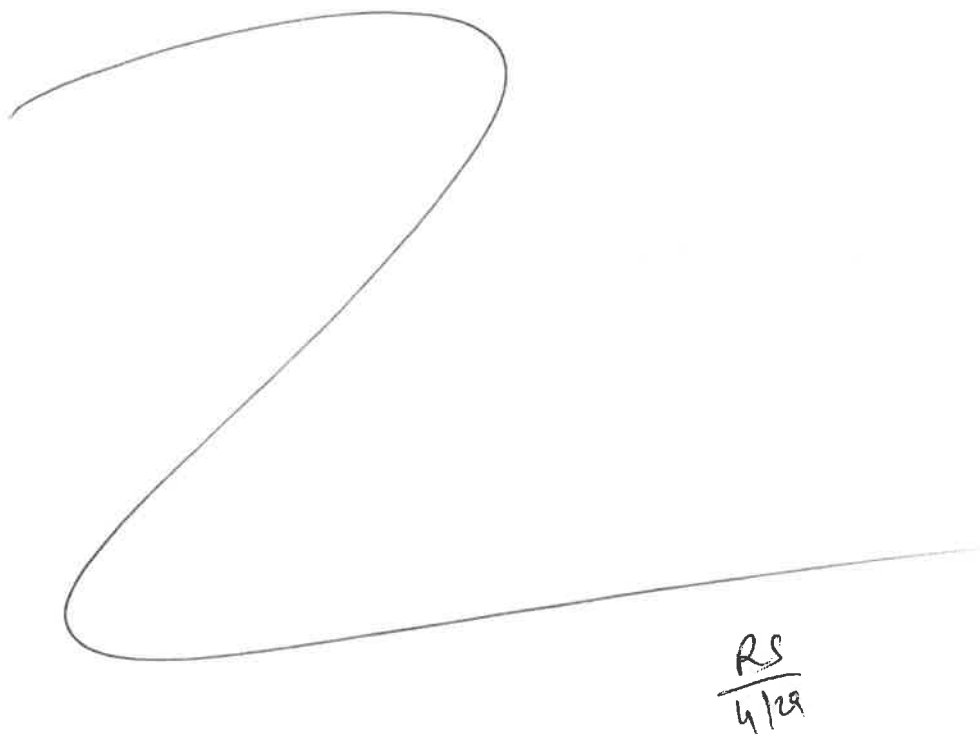
|                             |     |                           |          |
|-----------------------------|-----|---------------------------|----------|
| <b>KD Bath ID:</b>          | N/A | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | N/A | <b>Envap Temperature:</b> | 40 °C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

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 4/29/25     | RS (Ext Lab)                            | T-Peg HPC            |
| 13:55       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/29/2025

| Sample ID       | Client Sample ID | Test   | g mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|--------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |        |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167783BL      | PB167783BL       | TPH GC | 30.01 | N/A | ritesh         | Evelyn     | 1                  |       |          | U2-1        |
| PB167783BS      | PB167783BS       | TPH GC | 30.03 | N/A | ritesh         | Evelyn     | 1                  |       |          | 2           |
| Q1877-01        | AU-6-042425      | TPH GC | 30.04 | N/A | ritesh         | Evelyn     | 1                  | D     |          | 3           |
| Q1877-01MS      | AU-6-042425MS    | TPH GC | 30.09 | N/A | ritesh         | Evelyn     | 1                  | D     |          | 4           |
| Q1877-01MS<br>D | AU-6-042425MSD   | TPH GC | 30.07 | N/A | ritesh         | Evelyn     | 1                  | D     |          | 5           |
| Q1901-02        | B-167-SB01       | TPH GC | 30.02 | N/A | ritesh         | Evelyn     | 1                  | F     |          | 6           |
| Q1901-03        | B-170-SB01       | TPH GC | 30.08 | N/A | ritesh         | Evelyn     | 1                  | E     |          | U3-1        |
| Q1901-04        | B-167-SB02       | TPH GC | 30.05 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 2           |
| Q1901-05        | B-170-SB02       | TPH GC | 30.04 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 3           |
| Q1907-01        | CO-8R-WC         | TPH GC | 30.06 | N/A | ritesh         | Evelyn     | 1                  | D     |          | 4           |



RS  
4/29



167783  
10:49

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1877T

WorkList ID : 189204

Department : Extraction

Date : 04-29-2025 10:42:14

| Sample   | Customer Sample | Matrix | Test   | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-----------------|--------|--------|--------------|----------|-----------------------------------|--------------|--------|
| Q1877-01 | AU-6-042425     | Solid  | TPH GC | Cool 4 deg C | PSEG05   | L41                               | 04/24/2025   | 8015D  |
| Q1901-02 | B-167-SB01      | Solid  | TPH GC | Cool 4 deg C | PORT06   | L51                               | 04/26/2025   | 8015D  |
| Q1901-03 | B-170-SB01      | Solid  | TPH GC | Cool 4 deg C | PORT06   | L51                               | 04/26/2025   | 8015D  |
| Q1901-04 | B-167-SB02      | Solid  | TPH GC | Cool 4 deg C | PORT06   | L51                               | 04/26/2025   | 8015D  |
| Q1901-05 | B-170-SB02      | Solid  | TPH GC | Cool 4 deg C | PORT06   | L51                               | 04/26/2025   | 8015D  |
| Q1907-01 | CO-8R-WC        | Solid  | TPH GC | Cool 4 deg C | WALS01   | L51                               | 04/28/2025   | 8015D  |

Date/Time 4/29/25 10:45  
Raw Sample Received by: RJ (EXT-66)  
Raw Sample Relinquished by: CP

Date/Time 4/29/25 11:05  
Raw Sample Received by: CP  
Raw Sample Relinquished by: RJ (EXT-66)

## LAB CHRONICLE

|                 |                             |                   |                              |
|-----------------|-----------------------------|-------------------|------------------------------|
| <b>OrderID:</b> | Q1901                       | <b>OrderDate:</b> | 4/28/2025 10:24:00 AM        |
| <b>Client:</b>  | Portal Partners Tri-Venture | <b>Project:</b>   | Amtrak Sawtooth Bridges 2025 |
| <b>Contact:</b> | Joseph Krupansky            | <b>Location:</b>  | L51,VOA Ref. #2 Soil         |

| LabID           | ClientID          | Matrix      | Test   | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-------------------|-------------|--------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1901-02</b> | <b>B-167-SB01</b> | <b>SOIL</b> | TPH GC | 8015D  | <b>04/26/25</b> | 04/29/25  | 04/29/25  | <b>04/28/25</b> |
| <b>Q1901-03</b> | <b>B-170-SB01</b> | <b>SOIL</b> | TPH GC | 8015D  | <b>04/26/25</b> | 04/29/25  | 04/29/25  | <b>04/28/25</b> |
| <b>Q1901-04</b> | <b>B-167-SB02</b> | <b>SOIL</b> | TPH GC | 8015D  | <b>04/26/25</b> | 04/29/25  | 04/29/25  | <b>04/28/25</b> |
| <b>Q1901-05</b> | <b>B-170-SB02</b> | <b>SOIL</b> | TPH GC | 8015D  | <b>04/26/25</b> | 04/29/25  | 04/29/25  | <b>04/28/25</b> |