

## Cover Page

**Order ID :** Q2529

**Project ID :** South River WM Replacement

**Client :** CDM Smith

**Lab Sample Number**

Q2529-01  
Q2529-02  
Q2529-03  
Q2529-04  
Q2529-05  
Q2529-06  
Q2529-07  
Q2529-08  
Q2529-09  
Q2529-10

**Client Sample Number**

TP-91  
TP-80  
TP-79  
TP-95  
TP-98  
TP-102  
TP-101  
TP-89  
TP-33  
TP-30

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

Date: 7/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as "12 B".                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2529

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/16/2025

## LAB CHRONICLE

|                 |                    |                   |                            |
|-----------------|--------------------|-------------------|----------------------------|
| <b>OrderID:</b> | Q2529              | <b>OrderDate:</b> | 7/8/2025 3:36:00 PM        |
| <b>Client:</b>  | CDM Smith          | <b>Project:</b>   | South River WM Replacement |
| <b>Contact:</b> | Marcie Ann Encinas | <b>Location:</b>  | O11,VOA Lab                |

| LabID           | ClientID      | Matrix      | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|---------------|-------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2529-01</b> | <b>TP-91</b>  | <b>SOIL</b> |                         |        | <b>07/03/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/10/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-02</b> | <b>TP-80</b>  | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/10/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-03</b> | <b>TP-79</b>  | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/11/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-04</b> | <b>TP-95</b>  | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/10/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-05</b> | <b>TP-98</b>  | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/10/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-06</b> | <b>TP-102</b> | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/11/25  |                 |
|                 |               |             | PCB                     | 8082A  |                 | 07/09/25  | 07/09/25  |                 |
|                 |               |             | Pesticide-TCL           | 8081B  |                 | 07/09/25  | 07/09/25  |                 |
| <b>Q2529-07</b> | <b>TP-101</b> | <b>SOIL</b> |                         |        | <b>07/07/25</b> |           |           | <b>07/08/25</b> |
|                 |               |             | Gasoline Range Organics | 8015D  |                 |           | 07/10/25  |                 |

## LAB CHRONICLE

|                 |              |             |                         |       |                 |          |                 |
|-----------------|--------------|-------------|-------------------------|-------|-----------------|----------|-----------------|
|                 |              |             | PCB                     | 8082A | 07/09/25        | 07/09/25 |                 |
|                 |              |             | Pesticide-TCL           | 8081B | 07/09/25        | 07/09/25 |                 |
| <b>Q2529-08</b> | <b>TP-89</b> | <b>SOIL</b> |                         |       | <b>07/08/25</b> |          | <b>07/08/25</b> |
|                 |              |             | Gasoline Range Organics | 8015D |                 | 07/11/25 |                 |
|                 |              |             | PCB                     | 8082A | 07/09/25        | 07/09/25 |                 |
|                 |              |             | Pesticide-TCL           | 8081B | 07/09/25        | 07/09/25 |                 |
| <b>Q2529-09</b> | <b>TP-33</b> | <b>SOIL</b> |                         |       | <b>07/08/25</b> |          | <b>07/08/25</b> |
|                 |              |             | Gasoline Range Organics | 8015D |                 | 07/11/25 |                 |
|                 |              |             | PCB                     | 8082A | 07/09/25        | 07/09/25 |                 |
|                 |              |             | Pesticide-TCL           | 8081B | 07/09/25        | 07/09/25 |                 |
| <b>Q2529-10</b> | <b>TP-30</b> | <b>SOIL</b> |                         |       | <b>07/08/25</b> |          | <b>07/08/25</b> |
|                 |              |             | Gasoline Range Organics | 8015D |                 | 07/10/25 |                 |
|                 |              |             | PCB                     | 8082A | 07/09/25        | 07/09/25 |                 |
|                 |              |             | Pesticide-TCL           | 8081B | 07/09/25        | 07/09/25 |                 |



# QC SUMMARY

**SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY**

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No.: Q2529

| CLIENT ID | S1<br>AAA-TFT | S2 | S3 | S4 | TOT<br>OUT |
|-----------|---------------|----|----|----|------------|
| VBF0710S1 | 92            |    |    |    | 0          |
| BSF0710S1 | 101           |    |    |    | 0          |
| BSF0710S2 | 96            |    |    |    | 0          |
| TP-91     | 89            |    |    |    | 0          |
| TP-80     | 83            |    |    |    | 0          |
| TP-95     | 71            |    |    |    | 0          |
| TP-98     | 82            |    |    |    | 0          |
| TP-101    | 88            |    |    |    | 0          |
| TP-30     | 83            |    |    |    | 0          |
| VBF0711S1 | 93            |    |    |    | 0          |
| VBF0711S2 | 68            |    |    |    | 0          |
| BSF0711S1 | 96            |    |    |    | 0          |
| TP-79     | 85            |    |    |    | 0          |
| TP-33     | 121           |    |    |    | 0          |
| TP-102    | 105           |    |    |    | 0          |
| TP-89     | 109           |    |    |    | 0          |

**QC LIMITS**

AAA-TFT

For Water : 50-150

For Soil : 50-150

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate Diluted Out



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

**SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION**

**Lab Name:** Alliance

**Client:** CDM Smith

**Lab Code:** ACE

**SDG No:** Q2529

**Client Sample ID :** BSF0710S1

**Datafile:** FB032062.D

| COMPOUND | SPIKE<br>ADDED<br>ug/kg | CONCENTRATION<br>ug/kg | LCS/LCSD<br>CONCENTRATION<br>ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO      | 180                     | 0                      | 155                                | 86    | 50-150        |



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Fax : 908 789 8922

**SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION**

**Lab Name:** Alliance

**Client:** CDM Smith

**Lab Code:** ACE

**SDG No:** Q2529

**Client Sample ID :** BSF0710S2

**Datafile:** FB032070.D

| COMPOUND | SPIKE<br>ADDED<br>ug/kg | CONCENTRATION<br>ug/kg | LCS/LCSD<br>CONCENTRATION<br>ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO      | 180                     | 0                      | 155                                | 86    | 50-150        |

LCS/LCSD % Recovery RPD : 0



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Fax : 908 789 8922

**SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION**

**Lab Name:** Alliance

**Client:** CDM Smith

**Lab Code:** ACE

**SDG No:** Q2529

**Client Sample ID :** BSF0711S1

**Datafile:** FB032089.D

| COMPOUND | SPIKE<br>ADDED<br>ug/kg | CONCENTRATION<br>ug/kg | LCS/LCSD<br>CONCENTRATION<br>ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO      | 180                     | 0                      | 150                                | 83    | 50-150        |

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0710S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab File ID: FB032060.D

Lab Sample ID: VBF0710S1

Date Analyzed: 07/10/25

Time Analyzed: 9:50

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

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

| CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----------------------|------------------|----------------|------------------|
| BSF0710S1            | BSF0710S1        | FB032062.D     | 07/10/25         |
| BSF0710S2            | BSF0710S2        | FB032070.D     | 07/10/25         |
| TP-91                | Q2529-01         | FB032074.D     | 07/10/25         |
| TP-80                | Q2529-02         | FB032075.D     | 07/10/25         |
| TP-95                | Q2529-04         | FB032077.D     | 07/10/25         |
| TP-98                | Q2529-05         | FB032078.D     | 07/10/25         |
| TP-101               | Q2529-07         | FB032080.D     | 07/10/25         |
| TP-30                | Q2529-10         | FB032083.D     | 07/10/25         |

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

\_\_\_\_\_

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0711S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab File ID: FB032087.D

Lab Sample ID: VBF0711S1

Date Analyzed: 07/11/25

Time Analyzed: 10:11

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

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

| CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----------------------|------------------|----------------|------------------|
| BSF0711S1            | BSF0711S1        | FB032089.D     | 07/11/25         |
| TP-79                | Q2529-03         | FB032090.D     | 07/11/25         |

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

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0711S2

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2529

Lab File ID: FB032088.D

Lab Sample ID: VBF0711S2

Date Analyzed: 07/11/25

Time Analyzed: 10:39

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

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

| CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----------------------|------------------|----------------|------------------|
| TP-33                | Q2529-09         | FB032093.D     | 07/11/25         |
| TP-102               | Q2529-06         | FB032094.D     | 07/11/25         |
| TP-89                | Q2529-08         | FB032095.D     | 07/11/25         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/03/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-91                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-01                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 90.9                    |
| Sample Wt/Vol:     | 4.11                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Final Vol:         | 5                       |
| GPC Factor :       |                            | Test:              | Gasoline Range Organics |
| Prep Method :      |                            | Injection Volume : |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032074.D        | 1         | 07/10/25 17:20 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 11.0  | U         | 11.0     | 60.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 17.8  |           | 50 - 150 | 89%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032074.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 17:20  
Operator : YP/AJ  
Sample : Q2529-01  
Misc : 4.11G/5.00 ML DI WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-91

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.801 | 274232   | 17.775 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

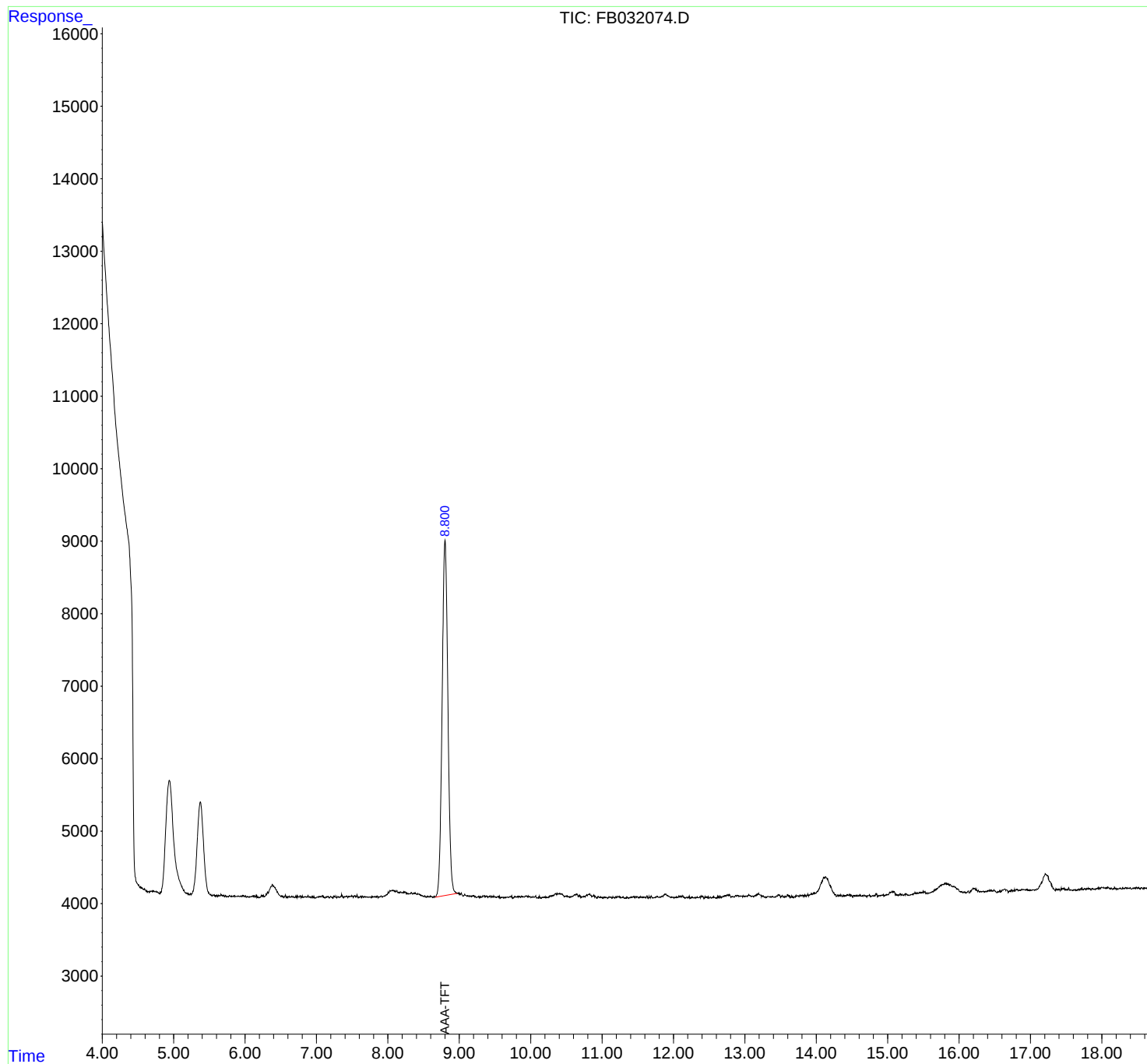
(m)=manual int.

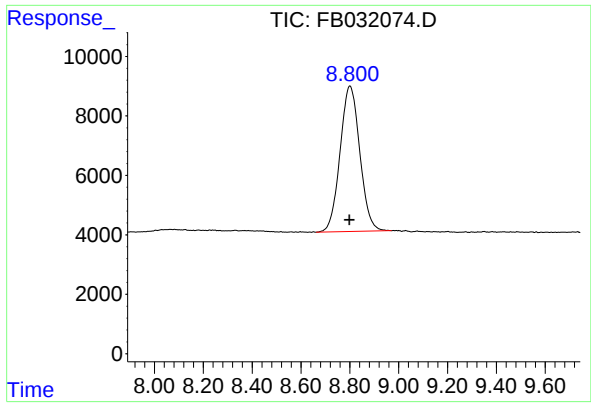
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032074.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 17:20  
Operator : YP/AJ  
Sample : Q2529-01  
Misc : 4.11G/5.00 ML DI WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-91

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.801 min  
Delta R.T.: 0.003 min  
Response: 274232  
Conc: 17.78 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-91

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032074.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 17:20  
 Sample : Q2529-01  
 Misc : 4.11G/5.00 ML DI WATER  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.625       | 4.604        | 4.662      | BV       | 5              | -34          | -0.01%         | -0.007%       |
| 2         | 4.673       | 4.662        | 4.682      | PV       | 23             | 185          | 0.07%          | 0.037%        |
| 3         | 4.694       | 4.682        | 4.715      | VV       | 28             | 444          | 0.16%          | 0.089%        |
| 4         | 4.724       | 4.715        | 4.740      | VV       | 31             | 372          | 0.13%          | 0.075%        |
| 5         | 4.753       | 4.740        | 4.763      | VV       | 31             | 330          | 0.12%          | 0.066%        |
| 6         | 4.771       | 4.763        | 4.804      | VV       | 24             | 361          | 0.13%          | 0.072%        |
| 7         | 5.177       | 5.172        | 5.191      | VV       | 35             | 303          | 0.11%          | 0.061%        |
| 8         | 5.198       | 5.191        | 5.209      | VV       | 31             | 237          | 0.08%          | 0.048%        |
| 9         | 5.214       | 5.209        | 5.222      | VV       | 16             | 89           | 0.03%          | 0.018%        |
| 10        | 5.235       | 5.222        | 5.244      | VV       | 26             | 216          | 0.08%          | 0.043%        |
| 11        | 5.566       | 5.544        | 5.591      | VV       | 28             | 332          | 0.12%          | 0.067%        |
| 12        | 5.600       | 5.591        | 5.618      | VV       | 18             | 179          | 0.06%          | 0.036%        |
| 13        | 5.627       | 5.618        | 5.652      | VV       | 22             | 266          | 0.09%          | 0.053%        |
| 14        | 5.662       | 5.652        | 5.668      | VV       | 32             | 191          | 0.07%          | 0.038%        |
| 15        | 5.674       | 5.668        | 5.712      | VV       | 28             | 468          | 0.17%          | 0.094%        |
| 16        | 5.728       | 5.712        | 5.744      | VV       | 18             | 226          | 0.08%          | 0.045%        |
| 17        | 5.755       | 5.744        | 5.769      | PV       | 11             | 95           | 0.03%          | 0.019%        |
| 18        | 5.785       | 5.769        | 5.803      | VV       | 23             | 264          | 0.09%          | 0.053%        |
| 19        | 5.815       | 5.803        | 5.823      | VV       | 17             | 119          | 0.04%          | 0.024%        |
| 20        | 5.847       | 5.823        | 5.872      | VV       | 22             | 416          | 0.15%          | 0.084%        |
| 21        | 5.907       | 5.872        | 5.926      | VV       | 19             | 418          | 0.15%          | 0.084%        |
| 22        | 5.936       | 5.926        | 5.947      | VV       | 18             | 198          | 0.07%          | 0.040%        |
| 23        | 5.963       | 5.947        | 5.991      | VV       | 26             | 530          | 0.19%          | 0.106%        |
| 24        | 6.005       | 5.991        | 6.024      | VV       | 25             | 305          | 0.11%          | 0.061%        |
| 25        | 6.034       | 6.024        | 6.048      | VV       | 16             | 171          | 0.06%          | 0.034%        |
| 26        | 6.087       | 6.048        | 6.095      | VV       | 18             | 335          | 0.12%          | 0.067%        |
| 27        | 6.106       | 6.095        | 6.122      | VV       | 27             | 318          | 0.11%          | 0.064%        |
| 28        | 6.129       | 6.122        | 6.140      | VV       | 34             | 231          | 0.08%          | 0.046%        |
| 29        | 6.158       | 6.140        | 6.196      | VV       | 42             | 488          | 0.17%          | 0.098%        |
| 30        | 6.230       | 6.196        | 6.248      | PV       | 34             | 517          | 0.18%          | 0.104%        |
| 31        | 6.257       | 6.248        | 6.271      | VV       | 41             | 345          | 0.12%          | 0.069%        |
| 32        | 6.383       | 6.271        | 6.395      | VV       | 189            | 7232         | 2.55%          | 1.451%        |
| 33        | 6.402       | 6.395        | 6.505      | VV       | 167            | 6032         | 2.13%          | 1.211%        |
| 34        | 6.516       | 6.505        | 6.525      | VV       | 36             | 293          | 0.10%          | 0.059%        |
| 35        | 6.532       | 6.525        | 6.546      | VV       | 25             | 186          | 0.07%          | 0.037%        |
| 36        | 6.565       | 6.546        | 6.575      | VV       | 39             | 373          | 0.13%          | 0.075%        |

|    |       |       |       |    | rters |      |       |        |
|----|-------|-------|-------|----|-------|------|-------|--------|
| 37 | 6.582 | 6.575 | 6.591 | VV | 21    | 114  | 0.04% | 0.023% |
| 38 | 6.618 | 6.591 | 6.630 | VV | 23    | 330  | 0.12% | 0.066% |
| 39 | 6.656 | 6.630 | 6.695 | VV | 25    | 569  | 0.20% | 0.114% |
| 40 | 6.711 | 6.695 | 6.763 | VV | 29    | 654  | 0.23% | 0.131% |
|    |       |       |       |    |       |      |       |        |
| 41 | 6.775 | 6.763 | 6.797 | VV | 31    | 409  | 0.14% | 0.082% |
| 42 | 6.806 | 6.797 | 6.815 | VV | 22    | 150  | 0.05% | 0.030% |
| 43 | 6.828 | 6.815 | 6.838 | VV | 16    | 188  | 0.07% | 0.038% |
| 44 | 6.848 | 6.838 | 6.866 | VV | 19    | 270  | 0.10% | 0.054% |
| 45 | 6.884 | 6.866 | 6.898 | VV | 34    | 386  | 0.14% | 0.077% |
|    |       |       |       |    |       |      |       |        |
| 46 | 6.907 | 6.898 | 6.929 | VV | 21    | 243  | 0.09% | 0.049% |
| 47 | 6.942 | 6.929 | 6.954 | VV | 31    | 226  | 0.08% | 0.045% |
| 48 | 6.965 | 6.954 | 6.994 | VV | 23    | 176  | 0.06% | 0.035% |
| 49 | 7.012 | 6.994 | 7.020 | VV | 15    | 174  | 0.06% | 0.035% |
| 50 | 7.057 | 7.020 | 7.066 | VV | 25    | 504  | 0.18% | 0.101% |
|    |       |       |       |    |       |      |       |        |
| 51 | 7.089 | 7.066 | 7.120 | VV | 34    | 598  | 0.21% | 0.120% |
| 52 | 7.162 | 7.120 | 7.183 | PV | 24    | 537  | 0.19% | 0.108% |
| 53 | 7.200 | 7.183 | 7.228 | VV | 26    | 357  | 0.13% | 0.072% |
| 54 | 7.243 | 7.228 | 7.307 | VV | 32    | 727  | 0.26% | 0.146% |
| 55 | 7.312 | 7.307 | 7.334 | VV | 23    | 253  | 0.09% | 0.051% |
|    |       |       |       |    |       |      |       |        |
| 56 | 7.351 | 7.334 | 7.383 | VV | 50    | 676  | 0.24% | 0.136% |
| 57 | 7.423 | 7.383 | 7.441 | VV | 28    | 687  | 0.24% | 0.138% |
| 58 | 7.450 | 7.441 | 7.474 | VV | 26    | 428  | 0.15% | 0.086% |
| 59 | 7.491 | 7.474 | 7.498 | VV | 31    | 376  | 0.13% | 0.075% |
| 60 | 7.506 | 7.498 | 7.517 | VV | 31    | 281  | 0.10% | 0.056% |
|    |       |       |       |    |       |      |       |        |
| 61 | 7.535 | 7.517 | 7.559 | VV | 36    | 655  | 0.23% | 0.131% |
| 62 | 7.568 | 7.559 | 7.588 | VV | 45    | 401  | 0.14% | 0.080% |
| 63 | 7.594 | 7.588 | 7.602 | VV | 19    | 116  | 0.04% | 0.023% |
| 64 | 7.621 | 7.602 | 7.632 | VV | 30    | 332  | 0.12% | 0.067% |
| 65 | 7.642 | 7.632 | 7.657 | VV | 30    | 264  | 0.09% | 0.053% |
|    |       |       |       |    |       |      |       |        |
| 66 | 7.669 | 7.657 | 7.681 | VV | 24    | 264  | 0.09% | 0.053% |
| 67 | 7.703 | 7.681 | 7.737 | VV | 20    | 543  | 0.19% | 0.109% |
| 68 | 7.750 | 7.737 | 7.770 | VV | 18    | 288  | 0.10% | 0.058% |
| 69 | 7.780 | 7.770 | 7.793 | VV | 31    | 254  | 0.09% | 0.051% |
| 70 | 7.803 | 7.793 | 7.827 | VV | 22    | 366  | 0.13% | 0.073% |
|    |       |       |       |    |       |      |       |        |
| 71 | 7.836 | 7.827 | 7.842 | VV | 26    | 165  | 0.06% | 0.033% |
| 72 | 7.852 | 7.842 | 7.880 | VV | 32    | 411  | 0.15% | 0.083% |
| 73 | 7.906 | 7.880 | 7.925 | VV | 32    | 585  | 0.21% | 0.117% |
| 74 | 8.065 | 7.925 | 8.117 | VV | 108   | 8351 | 2.95% | 1.676% |
| 75 | 8.127 | 8.117 | 8.168 | VV | 107   | 2613 | 0.92% | 0.524% |
|    |       |       |       |    |       |      |       |        |
| 76 | 8.182 | 8.168 | 8.217 | VV | 88    | 2315 | 0.82% | 0.465% |
| 77 | 8.226 | 8.217 | 8.264 | VV | 89    | 2248 | 0.79% | 0.451% |
| 78 | 8.269 | 8.264 | 8.279 | VV | 75    | 610  | 0.22% | 0.122% |
| 79 | 8.303 | 8.279 | 8.311 | VV | 64    | 1184 | 0.42% | 0.238% |
| 80 | 8.331 | 8.311 | 8.346 | VV | 79    | 1443 | 0.51% | 0.290% |
|    |       |       |       |    |       |      |       |        |
| 81 | 8.364 | 8.346 | 8.381 | VV | 71    | 1379 | 0.49% | 0.277% |
| 82 | 8.385 | 8.381 | 8.411 | VV | 70    | 1107 | 0.39% | 0.222% |
| 83 | 8.422 | 8.411 | 8.509 | VV | 63    | 2551 | 0.90% | 0.512% |
| 84 | 8.519 | 8.509 | 8.545 | VV | 35    | 501  | 0.18% | 0.101% |
| 85 | 8.560 | 8.545 | 8.571 | VV | 30    | 332  | 0.12% | 0.067% |
|    |       |       |       |    |       |      |       |        |
| 86 | 8.579 | 8.571 | 8.588 | VV | 27    | 206  | 0.07% | 0.041% |
| 87 | 8.598 | 8.588 | 8.628 | VV | 33    | 530  | 0.19% | 0.106% |
| 88 | 8.636 | 8.628 | 8.643 | VV | 22    | 156  | 0.06% | 0.031% |
| 89 | 8.652 | 8.643 | 8.662 | VV | 30    | 240  | 0.08% | 0.048% |

|     |        |        |        |    | rteres |        |         |         |
|-----|--------|--------|--------|----|--------|--------|---------|---------|
| 90  | 8.801  | 8.662  | 9.013  | VV | 4938   | 283533 | 100.00% | 56.908% |
| 91  | 9.029  | 9.013  | 9.054  | VV | 70     | 1275   | 0.45%   | 0.256%  |
| 92  | 9.077  | 9.054  | 9.110  | VV | 56     | 1332   | 0.47%   | 0.267%  |
| 93  | 9.118  | 9.110  | 9.171  | VV | 37     | 1143   | 0.40%   | 0.229%  |
| 94  | 9.202  | 9.171  | 9.242  | VV | 41     | 1129   | 0.40%   | 0.227%  |
| 95  | 9.275  | 9.242  | 9.291  | VV | 32     | 553    | 0.20%   | 0.111%  |
| 96  | 9.300  | 9.291  | 9.315  | VV | 28     | 261    | 0.09%   | 0.052%  |
| 97  | 9.349  | 9.315  | 9.370  | VV | 41     | 861    | 0.30%   | 0.173%  |
| 98  | 9.384  | 9.370  | 9.403  | VV | 36     | 492    | 0.17%   | 0.099%  |
| 99  | 9.431  | 9.403  | 9.452  | VV | 31     | 683    | 0.24%   | 0.137%  |
| 100 | 9.486  | 9.452  | 9.500  | VV | 33     | 647    | 0.23%   | 0.130%  |
| 101 | 9.543  | 9.500  | 9.573  | VV | 30     | 796    | 0.28%   | 0.160%  |
| 102 | 9.584  | 9.573  | 9.597  | VV | 18     | 168    | 0.06%   | 0.034%  |
| 103 | 9.604  | 9.597  | 9.632  | VV | 18     | 271    | 0.10%   | 0.054%  |
| 104 | 9.643  | 9.632  | 9.660  | VV | 16     | 204    | 0.07%   | 0.041%  |
| 105 | 9.681  | 9.660  | 9.690  | VV | 18     | 283    | 0.10%   | 0.057%  |
| 106 | 9.714  | 9.690  | 9.725  | VV | 28     | 409    | 0.14%   | 0.082%  |
| 107 | 9.733  | 9.725  | 9.753  | VV | 35     | 275    | 0.10%   | 0.055%  |
| 108 | 9.774  | 9.753  | 9.808  | VV | 25     | 572    | 0.20%   | 0.115%  |
| 109 | 9.818  | 9.808  | 9.826  | VV | 24     | 237    | 0.08%   | 0.047%  |
| 110 | 9.845  | 9.826  | 9.857  | VV | 30     | 427    | 0.15%   | 0.086%  |
| 111 | 9.870  | 9.857  | 9.912  | VV | 26     | 719    | 0.25%   | 0.144%  |
| 112 | 9.948  | 9.912  | 9.957  | VV | 34     | 769    | 0.27%   | 0.154%  |
| 113 | 9.969  | 9.957  | 9.982  | VV | 32     | 374    | 0.13%   | 0.075%  |
| 114 | 9.989  | 9.982  | 10.005 | VV | 27     | 302    | 0.11%   | 0.061%  |
| 115 | 10.035 | 10.005 | 10.050 | VV | 23     | 479    | 0.17%   | 0.096%  |
| 116 | 10.070 | 10.050 | 10.103 | VV | 35     | 504    | 0.18%   | 0.101%  |
| 117 | 10.125 | 10.103 | 10.151 | VV | 28     | 284    | 0.10%   | 0.057%  |
| 118 | 10.162 | 10.151 | 10.182 | VV | 17     | 222    | 0.08%   | 0.045%  |
| 119 | 10.204 | 10.182 | 10.212 | VV | 22     | 264    | 0.09%   | 0.053%  |
| 120 | 10.234 | 10.212 | 10.246 | VV | 19     | 270    | 0.10%   | 0.054%  |
| 121 | 10.272 | 10.246 | 10.281 | VV | 41     | 541    | 0.19%   | 0.109%  |
| 122 | 10.292 | 10.281 | 10.301 | VV | 44     | 405    | 0.14%   | 0.081%  |
| 123 | 10.355 | 10.301 | 10.376 | VV | 69     | 2328   | 0.82%   | 0.467%  |
| 124 | 10.401 | 10.376 | 10.424 | VV | 69     | 1796   | 0.63%   | 0.360%  |
| 125 | 10.438 | 10.424 | 10.478 | VV | 61     | 1539   | 0.54%   | 0.309%  |
| 126 | 10.494 | 10.478 | 10.502 | VV | 33     | 397    | 0.14%   | 0.080%  |
| 127 | 10.510 | 10.502 | 10.552 | VV | 42     | 774    | 0.27%   | 0.155%  |
| 128 | 10.561 | 10.552 | 10.567 | VV | 24     | 175    | 0.06%   | 0.035%  |
| 129 | 10.652 | 10.567 | 10.667 | VV | 60     | 2532   | 0.89%   | 0.508%  |
| 130 | 10.674 | 10.667 | 10.680 | VV | 40     | 250    | 0.09%   | 0.050%  |
| 131 | 10.688 | 10.680 | 10.705 | VV | 42     | 432    | 0.15%   | 0.087%  |
| 132 | 10.736 | 10.705 | 10.766 | VV | 27     | 863    | 0.30%   | 0.173%  |
| 133 | 10.788 | 10.766 | 10.796 | VV | 54     | 732    | 0.26%   | 0.147%  |
| 134 | 10.826 | 10.796 | 10.868 | VV | 66     | 1967   | 0.69%   | 0.395%  |
| 135 | 10.886 | 10.868 | 10.927 | VV | 48     | 917    | 0.32%   | 0.184%  |
| 136 | 10.946 | 10.927 | 11.011 | PB | 30     | 568    | 0.20%   | 0.114%  |
| 137 | 11.047 | 11.014 | 11.079 | BV | 9      | 259    | 0.09%   | 0.052%  |
| 138 | 11.100 | 11.079 | 11.111 | PV | 24     | 240    | 0.08%   | 0.048%  |
| 139 | 11.128 | 11.111 | 11.140 | VV | 20     | 229    | 0.08%   | 0.046%  |
| 140 | 11.154 | 11.140 | 11.181 | PV | 21     | 291    | 0.10%   | 0.058%  |
| 141 | 11.199 | 11.181 | 11.207 | VV | 27     | 274    | 0.10%   | 0.055%  |

|     |        |        |        |    | rteres |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
| 142 | 11.222 | 11.207 | 11.254 | VV | 29     | 590  | 0.21% | 0.118% |
| 143 | 11.261 | 11.254 | 11.283 | VV | 22     | 243  | 0.09% | 0.049% |
| 144 | 11.297 | 11.283 | 11.316 | VV | 23     | 238  | 0.08% | 0.048% |
| 145 | 11.353 | 11.316 | 11.376 | PV | 22     | 265  | 0.09% | 0.053% |
|     |        |        |        |    |        |      |       |        |
| 146 | 11.432 | 11.376 | 11.439 | VV | 24     | 538  | 0.19% | 0.108% |
| 147 | 11.446 | 11.439 | 11.462 | VV | 31     | 272  | 0.10% | 0.055% |
| 148 | 11.471 | 11.462 | 11.482 | VV | 24     | 200  | 0.07% | 0.040% |
| 149 | 11.493 | 11.482 | 11.512 | VV | 27     | 347  | 0.12% | 0.070% |
| 150 | 11.538 | 11.512 | 11.580 | VV | 24     | 643  | 0.23% | 0.129% |
|     |        |        |        |    |        |      |       |        |
| 151 | 11.587 | 11.580 | 11.615 | VV | 17     | 286  | 0.10% | 0.057% |
| 152 | 11.628 | 11.615 | 11.647 | VV | 30     | 336  | 0.12% | 0.067% |
| 153 | 11.657 | 11.647 | 11.668 | VV | 26     | 155  | 0.05% | 0.031% |
| 154 | 11.688 | 11.668 | 11.707 | VV | 33     | 398  | 0.14% | 0.080% |
| 155 | 11.769 | 11.707 | 11.801 | VV | 29     | 890  | 0.31% | 0.179% |
|     |        |        |        |    |        |      |       |        |
| 156 | 11.894 | 11.801 | 11.967 | VV | 61     | 3323 | 1.17% | 0.667% |
| 157 | 11.975 | 11.967 | 11.983 | VV | 21     | 151  | 0.05% | 0.030% |
| 158 | 11.991 | 11.983 | 12.008 | VV | 19     | 179  | 0.06% | 0.036% |
| 159 | 12.013 | 12.008 | 12.020 | VV | 17     | 87   | 0.03% | 0.018% |
| 160 | 12.039 | 12.020 | 12.047 | VV | 21     | 237  | 0.08% | 0.048% |
|     |        |        |        |    |        |      |       |        |
| 161 | 12.107 | 12.047 | 12.116 | VV | 32     | 898  | 0.32% | 0.180% |
| 162 | 12.125 | 12.116 | 12.167 | VV | 35     | 594  | 0.21% | 0.119% |
| 163 | 12.183 | 12.167 | 12.212 | VV | 18     | 324  | 0.11% | 0.065% |
| 164 | 12.221 | 12.212 | 12.244 | VV | 32     | 214  | 0.08% | 0.043% |
| 165 | 12.267 | 12.244 | 12.292 | VV | 20     | 320  | 0.11% | 0.064% |
|     |        |        |        |    |        |      |       |        |
| 166 | 12.305 | 12.292 | 12.314 | VV | 18     | 137  | 0.05% | 0.027% |
| 167 | 12.334 | 12.314 | 12.353 | VV | 21     | 293  | 0.10% | 0.059% |
| 168 | 12.370 | 12.353 | 12.378 | VV | 24     | 226  | 0.08% | 0.045% |
| 169 | 12.389 | 12.378 | 12.398 | VV | 36     | 296  | 0.10% | 0.059% |
| 170 | 12.408 | 12.398 | 12.430 | VV | 35     | 386  | 0.14% | 0.077% |
|     |        |        |        |    |        |      |       |        |
| 171 | 12.452 | 12.430 | 12.499 | PV | 24     | 597  | 0.21% | 0.120% |
| 172 | 12.517 | 12.499 | 12.536 | VV | 21     | 244  | 0.09% | 0.049% |
| 173 | 12.563 | 12.536 | 12.595 | VV | 25     | 442  | 0.16% | 0.089% |
| 174 | 12.624 | 12.595 | 12.643 | VV | 36     | 384  | 0.14% | 0.077% |
| 175 | 12.656 | 12.643 | 12.676 | VV | 29     | 334  | 0.12% | 0.067% |
|     |        |        |        |    |        |      |       |        |
| 176 | 12.752 | 12.676 | 12.773 | VV | 44     | 1880 | 0.66% | 0.377% |
| 177 | 12.786 | 12.773 | 12.818 | VV | 43     | 818  | 0.29% | 0.164% |
| 178 | 12.833 | 12.818 | 12.851 | VV | 26     | 415  | 0.15% | 0.083% |
| 179 | 12.873 | 12.851 | 12.935 | VV | 40     | 1536 | 0.54% | 0.308% |
| 180 | 12.948 | 12.935 | 13.001 | VV | 28     | 1041 | 0.37% | 0.209% |
|     |        |        |        |    |        |      |       |        |
| 181 | 13.057 | 13.001 | 13.096 | VV | 44     | 1796 | 0.63% | 0.361% |
| 182 | 13.107 | 13.096 | 13.127 | VV | 29     | 457  | 0.16% | 0.092% |
| 183 | 13.192 | 13.127 | 13.300 | VV | 59     | 3525 | 1.24% | 0.707% |
| 184 | 13.326 | 13.300 | 13.355 | VV | 21     | 565  | 0.20% | 0.113% |
| 185 | 13.381 | 13.355 | 13.410 | VV | 19     | 510  | 0.18% | 0.102% |
|     |        |        |        |    |        |      |       |        |
| 186 | 13.470 | 13.410 | 13.502 | VV | 48     | 1470 | 0.52% | 0.295% |
| 187 | 13.524 | 13.502 | 13.559 | VV | 29     | 638  | 0.22% | 0.128% |
| 188 | 13.598 | 13.559 | 13.644 | VV | 46     | 1136 | 0.40% | 0.228% |
| 189 | 13.653 | 13.644 | 13.689 | VV | 24     | 282  | 0.10% | 0.057% |
| 190 | 13.745 | 13.689 | 13.759 | PV | 31     | 921  | 0.32% | 0.185% |
|     |        |        |        |    |        |      |       |        |
| 191 | 13.773 | 13.759 | 13.786 | VV | 39     | 465  | 0.16% | 0.093% |
| 192 | 13.804 | 13.786 | 13.831 | VV | 35     | 797  | 0.28% | 0.160% |
| 193 | 13.839 | 13.831 | 13.861 | VV | 43     | 521  | 0.18% | 0.105% |
| 194 | 13.932 | 13.861 | 13.945 | VV | 61     | 1952 | 0.69% | 0.392% |

|     |        |        |        |    |        |       |        |        |
|-----|--------|--------|--------|----|--------|-------|--------|--------|
|     |        |        |        |    | rteres |       |        |        |
| 195 | 14.132 | 13.945 | 14.287 | VV | 284    | 29344 | 10.35% | 5.890% |
| 196 | 14.303 | 14.287 | 14.365 | VV | 35     | 1040  | 0.37%  | 0.209% |
| 197 | 14.435 | 14.365 | 14.451 | VV | 35     | 1100  | 0.39%  | 0.221% |
| 198 | 14.463 | 14.451 | 14.510 | VV | 30     | 812   | 0.29%  | 0.163% |
| 199 | 14.529 | 14.510 | 14.550 | VV | 25     | 370   | 0.13%  | 0.074% |
| 200 | 14.613 | 14.550 | 14.638 | VV | 38     | 940   | 0.33%  | 0.189% |
| 201 | 14.670 | 14.638 | 14.708 | VV | 30     | 666   | 0.23%  | 0.134% |
| 202 | 14.744 | 14.708 | 14.766 | PV | 29     | 497   | 0.18%  | 0.100% |
| 203 | 14.844 | 14.766 | 14.863 | VV | 38     | 923   | 0.33%  | 0.185% |
| 204 | 14.939 | 14.863 | 14.952 | VV | 28     | 681   | 0.24%  | 0.137% |
| 205 | 15.062 | 14.952 | 15.074 | VV | 68     | 2404  | 0.85%  | 0.483% |
| 206 | 15.091 | 15.074 | 15.158 | VV | 65     | 1478  | 0.52%  | 0.297% |
| 207 | 15.178 | 15.158 | 15.228 | VV | 23     | 560   | 0.20%  | 0.112% |
| 208 | 15.261 | 15.228 | 15.306 | VV | 24     | 593   | 0.21%  | 0.119% |
| 209 | 15.499 | 15.306 | 15.565 | VV | 55     | 4229  | 1.49%  | 0.849% |
| 210 | 15.807 | 15.565 | 16.055 | VV | 158    | 25400 | 8.96%  | 5.098% |
| 211 | 16.074 | 16.055 | 16.110 | VV | 19     | 561   | 0.20%  | 0.113% |
| 212 | 16.127 | 16.110 | 16.144 | VV | 37     | 470   | 0.17%  | 0.094% |
| 213 | 16.198 | 16.144 | 16.327 | VV | 70     | 4339  | 1.53%  | 0.871% |
| 214 | 16.339 | 16.327 | 16.355 | VV | 26     | 359   | 0.13%  | 0.072% |
| 215 | 16.451 | 16.355 | 16.478 | VV | 42     | 1933  | 0.68%  | 0.388% |
| 216 | 16.491 | 16.478 | 16.528 | VV | 40     | 673   | 0.24%  | 0.135% |
| 217 | 16.570 | 16.528 | 16.583 | PV | 28     | 371   | 0.13%  | 0.074% |
| 218 | 16.641 | 16.583 | 16.692 | VV | 45     | 1834  | 0.65%  | 0.368% |
| 219 | 16.738 | 16.692 | 16.768 | PV | 25     | 456   | 0.16%  | 0.091% |
| 220 | 16.810 | 16.768 | 16.840 | VV | 22     | 406   | 0.14%  | 0.082% |

Sum of corrected areas: 498229

FB062325.M Fri Jul 11 02:39:14 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-80                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-02                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 90.7                    |
| Sample Wt/Vol:     | 5.25                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032075.D        | 1         | 07/10/25 17:48 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 9.00  | U         | 9.00     | 47.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 16.6  |           | 50 - 150 | 83%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032075.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 17:48  
Operator : YP/AJ  
Sample : Q2529-02  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-80

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.802 | 256253   | 16.610 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

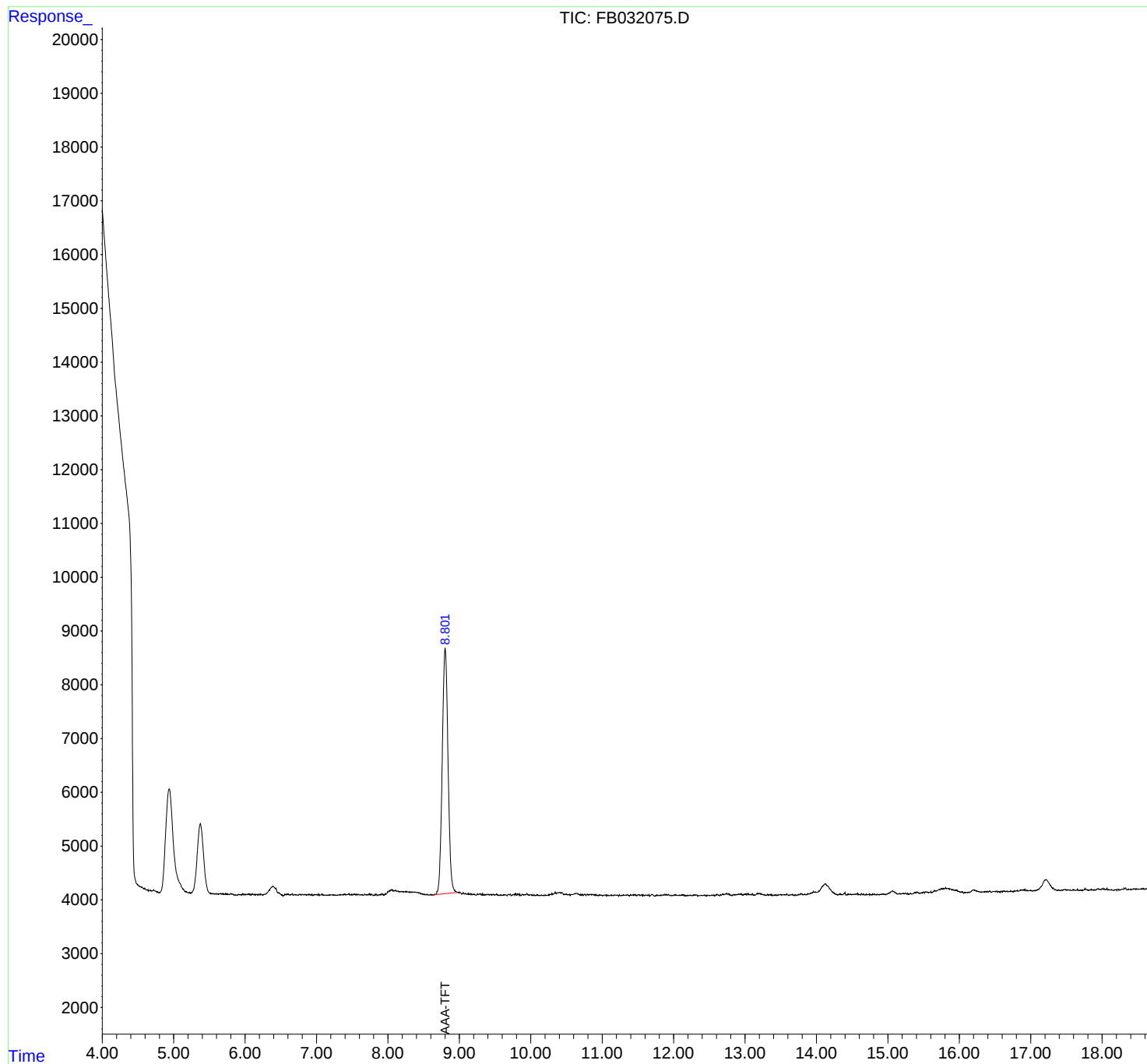
(m)=manual int.

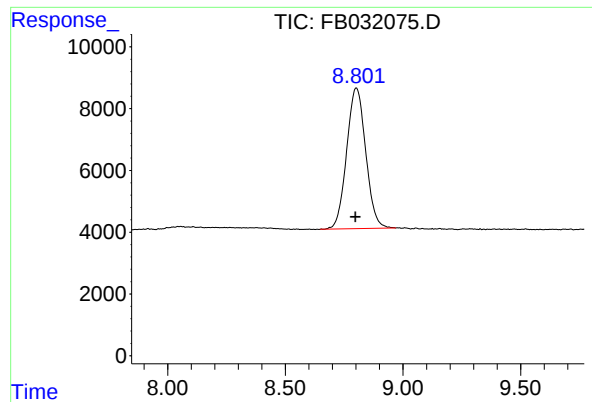
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032075.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 17:48  
Operator : YP/AJ  
Sample : Q2529-02  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-80

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.802 min  
Delta R.T.: 0.004 min  
Response: 256253  
Conc: 16.61 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-80

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032075.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 17:48  
 Sample : Q2529-02  
 Misc : 5.25G/5.00 ML DI WATER  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.672       | 4.621        | 4.686      | BV       | 19             | 221          | 0.08%          | 0.046%        |
| 2         | 4.720       | 4.686        | 4.802      | PV       | 39             | 1012         | 0.38%          | 0.211%        |
| 3         | 5.224       | 5.214        | 5.243      | VV       | 32             | 367          | 0.14%          | 0.076%        |
| 4         | 5.253       | 5.243        | 5.258      | VV       | 33             | 237          | 0.09%          | 0.049%        |
| 5         | 5.549       | 5.536        | 5.572      | VV       | 19             | 348          | 0.13%          | 0.072%        |
| 6         | 5.580       | 5.572        | 5.608      | VV       | 18             | 346          | 0.13%          | 0.072%        |
| 7         | 5.655       | 5.608        | 5.672      | VV       | 28             | 713          | 0.27%          | 0.148%        |
| 8         | 5.693       | 5.672        | 5.716      | VV       | 29             | 466          | 0.17%          | 0.097%        |
| 9         | 5.729       | 5.716        | 5.743      | VV       | 29             | 300          | 0.11%          | 0.062%        |
| 10        | 5.748       | 5.743        | 5.765      | VV       | 22             | 223          | 0.08%          | 0.046%        |
| 11        | 5.773       | 5.765        | 5.783      | VV       | 18             | 161          | 0.06%          | 0.034%        |
| 12        | 5.796       | 5.783        | 5.813      | VV       | 28             | 391          | 0.15%          | 0.081%        |
| 13        | 5.819       | 5.813        | 5.846      | VV       | 27             | 337          | 0.13%          | 0.070%        |
| 14        | 5.861       | 5.846        | 5.889      | VV       | 10             | 165          | 0.06%          | 0.034%        |
| 15        | 5.915       | 5.889        | 5.936      | PV       | 19             | 373          | 0.14%          | 0.078%        |
| 16        | 5.948       | 5.936        | 5.954      | VV       | 20             | 163          | 0.06%          | 0.034%        |
| 17        | 5.966       | 5.954        | 5.988      | VV       | 31             | 422          | 0.16%          | 0.088%        |
| 18        | 5.996       | 5.988        | 6.016      | VV       | 25             | 320          | 0.12%          | 0.067%        |
| 19        | 6.024       | 6.016        | 6.030      | VV       | 23             | 175          | 0.07%          | 0.036%        |
| 20        | 6.056       | 6.030        | 6.068      | VV       | 31             | 538          | 0.20%          | 0.112%        |
| 21        | 6.072       | 6.068        | 6.084      | VV       | 25             | 160          | 0.06%          | 0.033%        |
| 22        | 6.096       | 6.084        | 6.121      | VV       | 30             | 514          | 0.19%          | 0.107%        |
| 23        | 6.129       | 6.121        | 6.147      | VV       | 20             | 283          | 0.11%          | 0.059%        |
| 24        | 6.160       | 6.147        | 6.176      | VV       | 27             | 351          | 0.13%          | 0.073%        |
| 25        | 6.184       | 6.176        | 6.201      | VV       | 25             | 306          | 0.11%          | 0.064%        |
| 26        | 6.221       | 6.201        | 6.252      | VV       | 34             | 658          | 0.25%          | 0.137%        |
| 27        | 6.388       | 6.252        | 6.470      | VV       | 182            | 12976        | 4.86%          | 2.699%        |
| 28        | 6.478       | 6.470        | 6.531      | VV       | 64             | 1254         | 0.47%          | 0.261%        |
| 29        | 6.570       | 6.531        | 6.580      | PV       | 36             | 628          | 0.24%          | 0.131%        |
| 30        | 6.607       | 6.580        | 6.638      | VV       | 39             | 978          | 0.37%          | 0.204%        |
| 31        | 6.663       | 6.638        | 6.678      | VV       | 46             | 678          | 0.25%          | 0.141%        |
| 32        | 6.690       | 6.678        | 6.731      | VV       | 31             | 758          | 0.28%          | 0.158%        |
| 33        | 6.739       | 6.731        | 6.747      | VV       | 21             | 183          | 0.07%          | 0.038%        |
| 34        | 6.761       | 6.747        | 6.770      | VV       | 35             | 367          | 0.14%          | 0.076%        |
| 35        | 6.776       | 6.770        | 6.786      | VV       | 36             | 271          | 0.10%          | 0.056%        |
| 36        | 6.802       | 6.786        | 6.831      | VV       | 33             | 691          | 0.26%          | 0.144%        |

|    |        |        |        |    |        |        |         |         |
|----|--------|--------|--------|----|--------|--------|---------|---------|
|    |        |        |        |    | rteres |        |         |         |
| 37 | 6.842  | 6.831  | 6.866  | VV | 33     | 525    | 0.20%   | 0.109%  |
| 38 | 6.881  | 6.866  | 6.889  | VV | 33     | 358    | 0.13%   | 0.074%  |
| 39 | 6.899  | 6.889  | 6.915  | VV | 31     | 421    | 0.16%   | 0.087%  |
| 40 | 6.938  | 6.915  | 7.014  | VV | 34     | 1404   | 0.53%   | 0.292%  |
| 41 | 7.028  | 7.014  | 7.047  | VV | 40     | 420    | 0.16%   | 0.087%  |
| 42 | 7.079  | 7.047  | 7.104  | VV | 47     | 807    | 0.30%   | 0.168%  |
| 43 | 7.119  | 7.104  | 7.147  | VV | 22     | 465    | 0.17%   | 0.097%  |
| 44 | 7.190  | 7.147  | 7.253  | VV | 26     | 1302   | 0.49%   | 0.271%  |
| 45 | 7.262  | 7.253  | 7.282  | VV | 24     | 318    | 0.12%   | 0.066%  |
| 46 | 7.393  | 7.282  | 7.515  | VV | 42     | 3781   | 1.42%   | 0.786%  |
| 47 | 7.527  | 7.515  | 7.565  | VV | 41     | 984    | 0.37%   | 0.205%  |
| 48 | 7.584  | 7.565  | 7.616  | VV | 39     | 869    | 0.33%   | 0.181%  |
| 49 | 7.629  | 7.616  | 7.657  | VV | 26     | 587    | 0.22%   | 0.122%  |
| 50 | 7.677  | 7.657  | 7.714  | VV | 39     | 893    | 0.33%   | 0.186%  |
| 51 | 7.746  | 7.714  | 7.760  | VV | 40     | 802    | 0.30%   | 0.167%  |
| 52 | 7.773  | 7.760  | 7.811  | VV | 40     | 715    | 0.27%   | 0.149%  |
| 53 | 7.826  | 7.811  | 7.869  | VV | 42     | 844    | 0.32%   | 0.175%  |
| 54 | 7.917  | 7.869  | 7.952  | VV | 50     | 1448   | 0.54%   | 0.301%  |
| 55 | 8.054  | 7.952  | 8.096  | VV | 125    | 7226   | 2.71%   | 1.503%  |
| 56 | 8.109  | 8.096  | 8.128  | VV | 115    | 1867   | 0.70%   | 0.388%  |
| 57 | 8.140  | 8.128  | 8.159  | VV | 97     | 1721   | 0.64%   | 0.358%  |
| 58 | 8.207  | 8.159  | 8.225  | VV | 90     | 3306   | 1.24%   | 0.688%  |
| 59 | 8.242  | 8.225  | 8.340  | VV | 88     | 5429   | 2.03%   | 1.129%  |
| 60 | 8.353  | 8.340  | 8.370  | VV | 78     | 1340   | 0.50%   | 0.279%  |
| 61 | 8.378  | 8.370  | 8.526  | VV | 83     | 5154   | 1.93%   | 1.072%  |
| 62 | 8.550  | 8.526  | 8.568  | VV | 35     | 734    | 0.27%   | 0.153%  |
| 63 | 8.602  | 8.568  | 8.643  | VV | 36     | 1174   | 0.44%   | 0.244%  |
| 64 | 8.802  | 8.643  | 8.996  | VV | 4607   | 267024 | 100.00% | 55.541% |
| 65 | 9.009  | 8.996  | 9.035  | VV | 75     | 1431   | 0.54%   | 0.298%  |
| 66 | 9.056  | 9.035  | 9.144  | VV | 69     | 3014   | 1.13%   | 0.627%  |
| 67 | 9.156  | 9.144  | 9.186  | VV | 54     | 1014   | 0.38%   | 0.211%  |
| 68 | 9.206  | 9.186  | 9.234  | VV | 41     | 949    | 0.36%   | 0.197%  |
| 69 | 9.258  | 9.234  | 9.271  | VV | 39     | 703    | 0.26%   | 0.146%  |
| 70 | 9.288  | 9.271  | 9.374  | VV | 43     | 2008   | 0.75%   | 0.418%  |
| 71 | 9.388  | 9.374  | 9.461  | VV | 41     | 1596   | 0.60%   | 0.332%  |
| 72 | 9.474  | 9.461  | 9.497  | VV | 41     | 648    | 0.24%   | 0.135%  |
| 73 | 9.522  | 9.497  | 9.564  | VV | 47     | 1067   | 0.40%   | 0.222%  |
| 74 | 9.583  | 9.564  | 9.597  | VV | 32     | 415    | 0.16%   | 0.086%  |
| 75 | 9.633  | 9.597  | 9.672  | VV | 30     | 1065   | 0.40%   | 0.221%  |
| 76 | 9.687  | 9.672  | 9.728  | VV | 32     | 947    | 0.35%   | 0.197%  |
| 77 | 9.757  | 9.728  | 9.806  | VV | 34     | 1374   | 0.51%   | 0.286%  |
| 78 | 9.822  | 9.806  | 9.862  | VV | 36     | 1006   | 0.38%   | 0.209%  |
| 79 | 9.886  | 9.862  | 9.902  | VV | 37     | 667    | 0.25%   | 0.139%  |
| 80 | 9.947  | 9.902  | 9.974  | VV | 48     | 1488   | 0.56%   | 0.309%  |
| 81 | 10.001 | 9.974  | 10.065 | VV | 32     | 1256   | 0.47%   | 0.261%  |
| 82 | 10.091 | 10.065 | 10.121 | VV | 28     | 672    | 0.25%   | 0.140%  |
| 83 | 10.209 | 10.121 | 10.229 | VV | 25     | 1227   | 0.46%   | 0.255%  |
| 84 | 10.344 | 10.229 | 10.358 | VV | 77     | 3221   | 1.21%   | 0.670%  |
| 85 | 10.404 | 10.358 | 10.468 | VV | 71     | 4075   | 1.53%   | 0.848%  |
| 86 | 10.498 | 10.468 | 10.557 | VV | 49     | 1824   | 0.68%   | 0.379%  |
| 87 | 10.643 | 10.557 | 10.737 | VV | 57     | 4114   | 1.54%   | 0.856%  |
| 88 | 10.755 | 10.737 | 10.775 | VV | 43     | 642    | 0.24%   | 0.133%  |
| 89 | 10.790 | 10.775 | 10.811 | VV | 38     | 722    | 0.27%   | 0.150%  |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 90  | 10.840 | 10.811 | 10.950 | VV | 38     | 2359  | 0.88% | 0.491% |
| 91  | 10.965 | 10.950 | 11.008 | VV | 33     | 763   | 0.29% | 0.159% |
| 92  | 11.067 | 11.008 | 11.107 | VV | 33     | 1195  | 0.45% | 0.248% |
| 93  | 11.124 | 11.107 | 11.149 | VV | 21     | 491   | 0.18% | 0.102% |
| 94  | 11.183 | 11.149 | 11.231 | VV | 27     | 1059  | 0.40% | 0.220% |
| 95  | 11.301 | 11.231 | 11.335 | VV | 25     | 1211  | 0.45% | 0.252% |
| 96  | 11.351 | 11.335 | 11.384 | VV | 27     | 625   | 0.23% | 0.130% |
| 97  | 11.398 | 11.384 | 11.418 | VV | 31     | 451   | 0.17% | 0.094% |
| 98  | 11.436 | 11.418 | 11.480 | VV | 41     | 999   | 0.37% | 0.208% |
| 99  | 11.510 | 11.480 | 11.537 | VV | 35     | 844   | 0.32% | 0.176% |
| 100 | 11.552 | 11.537 | 11.593 | VV | 29     | 726   | 0.27% | 0.151% |
| 101 | 11.608 | 11.593 | 11.667 | VV | 27     | 936   | 0.35% | 0.195% |
| 102 | 11.698 | 11.667 | 11.745 | PV | 38     | 966   | 0.36% | 0.201% |
| 103 | 11.770 | 11.745 | 11.816 | VV | 32     | 773   | 0.29% | 0.161% |
| 104 | 11.900 | 11.816 | 11.915 | VV | 37     | 1610  | 0.60% | 0.335% |
| 105 | 11.931 | 11.915 | 11.974 | VV | 33     | 752   | 0.28% | 0.156% |
| 106 | 12.015 | 11.974 | 12.042 | VV | 27     | 818   | 0.31% | 0.170% |
| 107 | 12.056 | 12.042 | 12.072 | VV | 21     | 328   | 0.12% | 0.068% |
| 108 | 12.127 | 12.072 | 12.178 | VV | 31     | 1202  | 0.45% | 0.250% |
| 109 | 12.240 | 12.178 | 12.257 | VV | 21     | 713   | 0.27% | 0.148% |
| 110 | 12.303 | 12.257 | 12.340 | VV | 28     | 911   | 0.34% | 0.189% |
| 111 | 12.389 | 12.340 | 12.411 | VV | 18     | 498   | 0.19% | 0.104% |
| 112 | 12.436 | 12.411 | 12.456 | VV | 25     | 374   | 0.14% | 0.078% |
| 113 | 12.470 | 12.456 | 12.514 | VV | 22     | 434   | 0.16% | 0.090% |
| 114 | 12.539 | 12.514 | 12.574 | VV | 21     | 558   | 0.21% | 0.116% |
| 115 | 12.617 | 12.574 | 12.644 | VV | 32     | 817   | 0.31% | 0.170% |
| 116 | 12.690 | 12.644 | 12.705 | VV | 38     | 875   | 0.33% | 0.182% |
| 117 | 12.745 | 12.705 | 12.815 | VV | 56     | 2103  | 0.79% | 0.438% |
| 118 | 12.847 | 12.815 | 12.860 | VV | 33     | 558   | 0.21% | 0.116% |
| 119 | 12.951 | 12.860 | 12.973 | VV | 43     | 1937  | 0.73% | 0.403% |
| 120 | 13.005 | 12.973 | 13.020 | VV | 35     | 806   | 0.30% | 0.168% |
| 121 | 13.032 | 13.020 | 13.068 | VV | 43     | 883   | 0.33% | 0.184% |
| 122 | 13.102 | 13.068 | 13.138 | VV | 33     | 960   | 0.36% | 0.200% |
| 123 | 13.175 | 13.138 | 13.301 | VV | 50     | 2906  | 1.09% | 0.605% |
| 124 | 13.316 | 13.301 | 13.333 | VV | 33     | 323   | 0.12% | 0.067% |
| 125 | 13.360 | 13.333 | 13.390 | VV | 19     | 591   | 0.22% | 0.123% |
| 126 | 13.429 | 13.390 | 13.449 | VV | 21     | 415   | 0.16% | 0.086% |
| 127 | 13.502 | 13.449 | 13.529 | VV | 25     | 835   | 0.31% | 0.174% |
| 128 | 13.552 | 13.529 | 13.569 | VV | 23     | 465   | 0.17% | 0.097% |
| 129 | 13.587 | 13.569 | 13.611 | VV | 37     | 503   | 0.19% | 0.105% |
| 130 | 13.662 | 13.611 | 13.723 | VV | 27     | 901   | 0.34% | 0.187% |
| 131 | 13.797 | 13.723 | 13.820 | PV | 36     | 1252  | 0.47% | 0.260% |
| 132 | 13.838 | 13.820 | 13.854 | VV | 33     | 446   | 0.17% | 0.093% |
| 133 | 13.888 | 13.854 | 13.903 | VV | 38     | 801   | 0.30% | 0.167% |
| 134 | 13.959 | 13.903 | 14.001 | VV | 74     | 3202  | 1.20% | 0.666% |
| 135 | 14.123 | 14.001 | 14.303 | VV | 217    | 19774 | 7.41% | 4.113% |
| 136 | 14.336 | 14.303 | 14.359 | VV | 23     | 609   | 0.23% | 0.127% |
| 137 | 14.393 | 14.359 | 14.417 | VV | 47     | 806   | 0.30% | 0.168% |
| 138 | 14.481 | 14.417 | 14.497 | VV | 23     | 755   | 0.28% | 0.157% |
| 139 | 14.577 | 14.497 | 14.605 | VV | 24     | 1164  | 0.44% | 0.242% |
| 140 | 14.633 | 14.605 | 14.682 | VV | 34     | 679   | 0.25% | 0.141% |
| 141 | 14.748 | 14.682 | 14.774 | PV | 21     | 559   | 0.21% | 0.116% |

|     |        |        |        |    |       |       |       |        |  |
|-----|--------|--------|--------|----|-------|-------|-------|--------|--|
|     |        |        |        |    | rters |       |       |        |  |
| 142 | 14.811 | 14.774 | 14.833 | VV | 25    | 389   | 0.15% | 0.081% |  |
| 143 | 14.852 | 14.833 | 14.866 | VV | 18    | 137   | 0.05% | 0.028% |  |
| 144 | 14.928 | 14.866 | 14.969 | VV | 17    | 578   | 0.22% | 0.120% |  |
| 145 | 15.063 | 14.969 | 15.141 | VV | 66    | 3603  | 1.35% | 0.749% |  |
| 146 | 15.157 | 15.141 | 15.193 | VV | 17    | 407   | 0.15% | 0.085% |  |
| 147 | 15.209 | 15.193 | 15.231 | VV | 20    | 350   | 0.13% | 0.073% |  |
| 148 | 15.245 | 15.231 | 15.303 | VV | 24    | 502   | 0.19% | 0.104% |  |
| 149 | 15.318 | 15.303 | 15.335 | VV | 20    | 177   | 0.07% | 0.037% |  |
| 150 | 15.409 | 15.335 | 15.445 | VV | 45    | 1447  | 0.54% | 0.301% |  |
| 151 | 15.506 | 15.445 | 15.570 | VV | 42    | 2119  | 0.79% | 0.441% |  |
| 152 | 15.604 | 15.570 | 15.617 | VV | 38    | 805   | 0.30% | 0.167% |  |
| 153 | 15.809 | 15.617 | 16.063 | VV | 111   | 16601 | 6.22% | 3.453% |  |
| 154 | 16.083 | 16.063 | 16.098 | VV | 10    | 197   | 0.07% | 0.041% |  |
| 155 | 16.201 | 16.098 | 16.307 | VV | 59    | 3607  | 1.35% | 0.750% |  |
| 156 | 16.428 | 16.307 | 16.455 | VV | 31    | 1560  | 0.58% | 0.324% |  |
| 157 | 16.521 | 16.455 | 16.575 | VV | 23    | 1193  | 0.45% | 0.248% |  |
| 158 | 16.622 | 16.575 | 16.709 | PV | 25    | 1255  | 0.47% | 0.261% |  |
| 159 | 16.715 | 16.709 | 16.753 | VV | 25    | 369   | 0.14% | 0.077% |  |
| 160 | 16.817 | 16.753 | 16.834 | PV | 24    | 563   | 0.21% | 0.117% |  |

Sum of corrected areas: 480772

FB062325.M Fri Jul 11 02:39:40 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-79                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-03                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 90.6                    |
| Sample Wt/Vol:     | 5.25                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032090.D        | 1         | 07/11/25 11:50 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 9.00  | U         | 9.00     | 47.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 17.0  |           | 50 - 150 | 85%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032090.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 11:50  
Operator : YP/AJ  
Sample : Q2529-03  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-79

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.797 | 262703   | 17.028 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

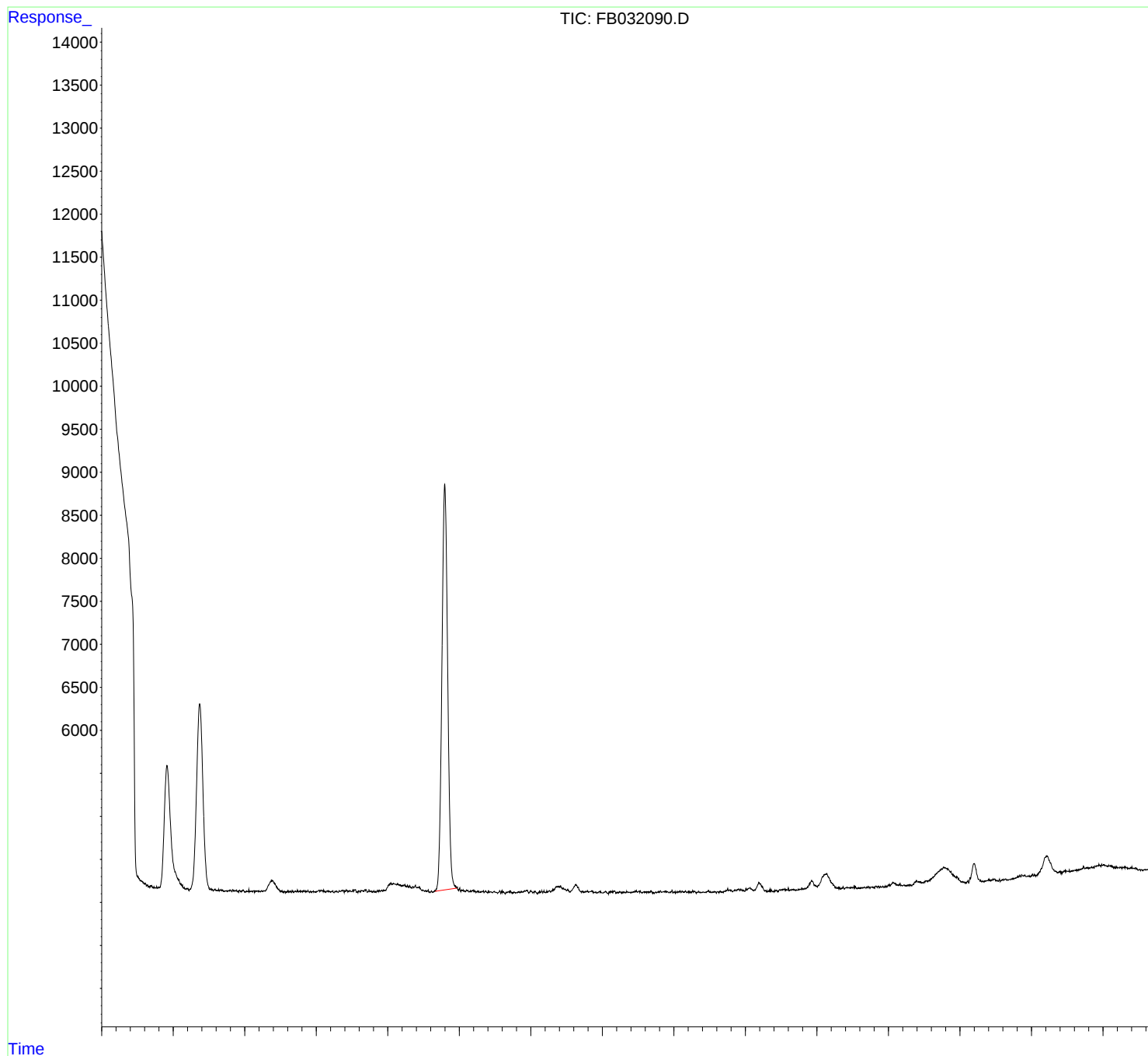
(m)=manual int.

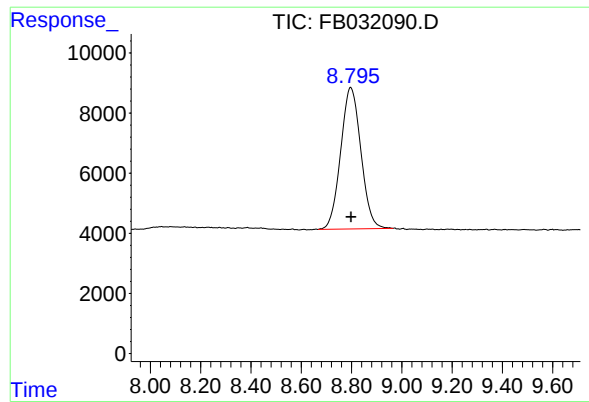
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032090.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 11:50  
Operator : YP/AJ  
Sample : Q2529-03  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-79

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.797 min  
Delta R.T.: 0.000 min  
Response: 262703  
Conc: 17.03 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-79

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
 Data File : FB032090.D  
 Signal(s) : FID2B.CH  
 Acq On : 11 Jul 2025 11:50  
 Sample : Q2529-03  
 Misc : 5.25G/5.00 ML DI WATER  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.636       | 4.604        | 4.654      | BV       | 11             | 144          | 0.05%          | 0.029%        |
| 2         | 4.685       | 4.654        | 4.726      | PV       | 20             | 425          | 0.16%          | 0.085%        |
| 3         | 4.732       | 4.726        | 4.738      | PV       | 15             | 52           | 0.02%          | 0.010%        |
| 4         | 4.743       | 4.738        | 4.757      | VV       | 10             | 65           | 0.02%          | 0.013%        |
| 5         | 4.768       | 4.757        | 4.777      | VV       | 21             | 93           | 0.03%          | 0.019%        |
| 6         | 4.787       | 4.777        | 4.796      | PV       | 16             | 97           | 0.04%          | 0.019%        |
| 7         | 5.196       | 5.169        | 5.226      | VV       | 23             | 508          | 0.19%          | 0.101%        |
| 8         | 5.531       | 5.521        | 5.562      | VV       | 34             | 463          | 0.17%          | 0.092%        |
| 9         | 5.586       | 5.562        | 5.628      | VV       | 29             | 567          | 0.21%          | 0.113%        |
| 10        | 5.636       | 5.628        | 5.647      | VV       | 22             | 161          | 0.06%          | 0.032%        |
| 11        | 5.663       | 5.647        | 5.717      | VV       | 21             | 479          | 0.18%          | 0.096%        |
| 12        | 5.802       | 5.717        | 5.821      | VV       | 22             | 688          | 0.25%          | 0.137%        |
| 13        | 5.832       | 5.821        | 5.863      | VV       | 27             | 389          | 0.14%          | 0.078%        |
| 14        | 5.886       | 5.863        | 5.904      | VV       | 26             | 320          | 0.12%          | 0.064%        |
| 15        | 5.910       | 5.904        | 5.918      | VV       | 16             | 75           | 0.03%          | 0.015%        |
| 16        | 5.931       | 5.918        | 5.956      | PV       | 23             | 284          | 0.10%          | 0.057%        |
| 17        | 5.981       | 5.956        | 6.008      | VV       | 24             | 402          | 0.15%          | 0.080%        |
| 18        | 6.029       | 6.008        | 6.038      | VV       | 17             | 166          | 0.06%          | 0.033%        |
| 19        | 6.058       | 6.038        | 6.090      | VV       | 29             | 365          | 0.13%          | 0.073%        |
| 20        | 6.100       | 6.090        | 6.115      | VV       | 18             | 173          | 0.06%          | 0.035%        |
| 21        | 6.127       | 6.115        | 6.138      | VV       | 21             | 198          | 0.07%          | 0.040%        |
| 22        | 6.161       | 6.138        | 6.168      | VV       | 20             | 236          | 0.09%          | 0.047%        |
| 23        | 6.178       | 6.168        | 6.190      | VV       | 18             | 201          | 0.07%          | 0.040%        |
| 24        | 6.198       | 6.190        | 6.219      | VV       | 23             | 239          | 0.09%          | 0.048%        |
| 25        | 6.238       | 6.219        | 6.257      | VV       | 25             | 341          | 0.13%          | 0.068%        |
| 26        | 6.379       | 6.257        | 6.544      | VV       | 148            | 11230        | 4.13%          | 2.242%        |
| 27        | 6.556       | 6.544        | 6.570      | PV       | 20             | 196          | 0.07%          | 0.039%        |
| 28        | 6.600       | 6.570        | 6.624      | VV       | 26             | 467          | 0.17%          | 0.093%        |
| 29        | 6.631       | 6.624        | 6.655      | VV       | 20             | 289          | 0.11%          | 0.058%        |
| 30        | 6.666       | 6.655        | 6.688      | VV       | 27             | 290          | 0.11%          | 0.058%        |
| 31        | 6.710       | 6.688        | 6.725      | VV       | 25             | 356          | 0.13%          | 0.071%        |
| 32        | 6.739       | 6.725        | 6.750      | VV       | 34             | 286          | 0.11%          | 0.057%        |
| 33        | 6.775       | 6.750        | 6.784      | VV       | 28             | 347          | 0.13%          | 0.069%        |
| 34        | 6.792       | 6.784        | 6.808      | VV       | 24             | 244          | 0.09%          | 0.049%        |
| 35        | 6.828       | 6.808        | 6.871      | VV       | 29             | 731          | 0.27%          | 0.146%        |
| 36        | 6.886       | 6.871        | 6.905      | VV       | 30             | 382          | 0.14%          | 0.076%        |

|    |       |       |       |    |        |        |         |         |  |
|----|-------|-------|-------|----|--------|--------|---------|---------|--|
|    |       |       |       |    | rteres |        |         |         |  |
| 37 | 6.922 | 6.905 | 6.934 | VV | 21     | 245    | 0.09%   | 0.049%  |  |
| 38 | 6.959 | 6.934 | 6.992 | VV | 23     | 510    | 0.19%   | 0.102%  |  |
| 39 | 7.040 | 6.992 | 7.052 | VV | 35     | 813    | 0.30%   | 0.162%  |  |
| 40 | 7.073 | 7.052 | 7.098 | VV | 34     | 750    | 0.28%   | 0.150%  |  |
| 41 | 7.105 | 7.098 | 7.130 | VV | 36     | 388    | 0.14%   | 0.078%  |  |
| 42 | 7.152 | 7.130 | 7.165 | VV | 29     | 407    | 0.15%   | 0.081%  |  |
| 43 | 7.178 | 7.165 | 7.204 | VV | 25     | 428    | 0.16%   | 0.085%  |  |
| 44 | 7.232 | 7.204 | 7.251 | VV | 26     | 453    | 0.17%   | 0.091%  |  |
| 45 | 7.267 | 7.251 | 7.277 | VV | 23     | 264    | 0.10%   | 0.053%  |  |
| 46 | 7.287 | 7.277 | 7.307 | VV | 21     | 287    | 0.11%   | 0.057%  |  |
| 47 | 7.324 | 7.307 | 7.337 | VV | 28     | 361    | 0.13%   | 0.072%  |  |
| 48 | 7.371 | 7.337 | 7.390 | VV | 36     | 883    | 0.32%   | 0.176%  |  |
| 49 | 7.422 | 7.390 | 7.441 | VV | 40     | 819    | 0.30%   | 0.164%  |  |
| 50 | 7.472 | 7.441 | 7.489 | VV | 32     | 697    | 0.26%   | 0.139%  |  |
| 51 | 7.515 | 7.489 | 7.524 | VV | 44     | 555    | 0.20%   | 0.111%  |  |
| 52 | 7.549 | 7.524 | 7.571 | VV | 43     | 814    | 0.30%   | 0.163%  |  |
| 53 | 7.578 | 7.571 | 7.584 | VV | 19     | 120    | 0.04%   | 0.024%  |  |
| 54 | 7.597 | 7.584 | 7.621 | VV | 29     | 478    | 0.18%   | 0.096%  |  |
| 55 | 7.630 | 7.621 | 7.666 | VV | 34     | 730    | 0.27%   | 0.146%  |  |
| 56 | 7.680 | 7.666 | 7.688 | VV | 42     | 440    | 0.16%   | 0.088%  |  |
| 57 | 7.696 | 7.688 | 7.715 | VV | 42     | 515    | 0.19%   | 0.103%  |  |
| 58 | 7.740 | 7.715 | 7.751 | VV | 39     | 464    | 0.17%   | 0.093%  |  |
| 59 | 7.765 | 7.751 | 7.790 | VV | 29     | 452    | 0.17%   | 0.090%  |  |
| 60 | 7.806 | 7.790 | 7.817 | VV | 27     | 297    | 0.11%   | 0.059%  |  |
| 61 | 7.829 | 7.817 | 7.837 | VV | 25     | 213    | 0.08%   | 0.042%  |  |
| 62 | 7.858 | 7.837 | 7.868 | VV | 34     | 451    | 0.17%   | 0.090%  |  |
| 63 | 7.881 | 7.868 | 7.892 | VV | 36     | 436    | 0.16%   | 0.087%  |  |
| 64 | 7.914 | 7.892 | 7.926 | VV | 35     | 571    | 0.21%   | 0.114%  |  |
| 65 | 7.941 | 7.926 | 7.955 | VV | 41     | 543    | 0.20%   | 0.108%  |  |
| 66 | 8.045 | 7.955 | 8.058 | VV | 122    | 4862   | 1.79%   | 0.971%  |  |
| 67 | 8.064 | 8.058 | 8.071 | VV | 110    | 868    | 0.32%   | 0.173%  |  |
| 68 | 8.081 | 8.071 | 8.121 | VV | 118    | 3262   | 1.20%   | 0.651%  |  |
| 69 | 8.136 | 8.121 | 8.170 | VV | 116    | 3000   | 1.10%   | 0.599%  |  |
| 70 | 8.178 | 8.170 | 8.189 | VV | 102    | 1045   | 0.38%   | 0.209%  |  |
| 71 | 8.231 | 8.189 | 8.267 | VV | 99     | 4145   | 1.53%   | 0.828%  |  |
| 72 | 8.276 | 8.267 | 8.299 | VV | 98     | 1572   | 0.58%   | 0.314%  |  |
| 73 | 8.310 | 8.299 | 8.339 | VV | 89     | 1756   | 0.65%   | 0.351%  |  |
| 74 | 8.350 | 8.339 | 8.366 | VV | 80     | 1202   | 0.44%   | 0.240%  |  |
| 75 | 8.386 | 8.366 | 8.410 | VV | 93     | 1990   | 0.73%   | 0.397%  |  |
| 76 | 8.441 | 8.410 | 8.484 | VV | 78     | 2598   | 0.96%   | 0.519%  |  |
| 77 | 8.490 | 8.484 | 8.517 | VV | 42     | 665    | 0.24%   | 0.133%  |  |
| 78 | 8.528 | 8.517 | 8.549 | VV | 35     | 558    | 0.21%   | 0.112%  |  |
| 79 | 8.566 | 8.549 | 8.593 | VV | 45     | 656    | 0.24%   | 0.131%  |  |
| 80 | 8.612 | 8.593 | 8.624 | VV | 31     | 373    | 0.14%   | 0.074%  |  |
| 81 | 8.660 | 8.624 | 8.667 | VV | 38     | 600    | 0.22%   | 0.120%  |  |
| 82 | 8.797 | 8.667 | 8.993 | VV | 4759   | 271787 | 100.00% | 54.269% |  |
| 83 | 9.006 | 8.993 | 9.021 | VV | 62     | 770    | 0.28%   | 0.154%  |  |
| 84 | 9.040 | 9.021 | 9.085 | VV | 42     | 1292   | 0.48%   | 0.258%  |  |
| 85 | 9.101 | 9.085 | 9.147 | VV | 42     | 1120   | 0.41%   | 0.224%  |  |
| 86 | 9.157 | 9.147 | 9.171 | VV | 37     | 385    | 0.14%   | 0.077%  |  |
| 87 | 9.183 | 9.171 | 9.191 | VV | 38     | 386    | 0.14%   | 0.077%  |  |
| 88 | 9.197 | 9.191 | 9.213 | VV | 38     | 417    | 0.15%   | 0.083%  |  |
| 89 | 9.222 | 9.213 | 9.236 | VV | 31     | 321    | 0.12%   | 0.064%  |  |

|     |        |        |        |    |        |      |       |        |  |
|-----|--------|--------|--------|----|--------|------|-------|--------|--|
|     |        |        |        |    | rteres |      |       |        |  |
| 90  | 9.255  | 9.236  | 9.263  | VV | 29     | 363  | 0.13% | 0.073% |  |
| 91  | 9.272  | 9.263  | 9.284  | VV | 32     | 282  | 0.10% | 0.056% |  |
| 92  | 9.338  | 9.284  | 9.348  | VV | 37     | 844  | 0.31% | 0.169% |  |
| 93  | 9.370  | 9.348  | 9.397  | VV | 36     | 618  | 0.23% | 0.123% |  |
| 94  | 9.412  | 9.397  | 9.465  | VV | 30     | 805  | 0.30% | 0.161% |  |
| 95  | 9.487  | 9.465  | 9.536  | VV | 27     | 747  | 0.27% | 0.149% |  |
| 96  | 9.566  | 9.536  | 9.582  | VV | 34     | 512  | 0.19% | 0.102% |  |
| 97  | 9.599  | 9.582  | 9.642  | VV | 37     | 656  | 0.24% | 0.131% |  |
| 98  | 9.717  | 9.642  | 9.746  | PV | 35     | 1089 | 0.40% | 0.217% |  |
| 99  | 9.775  | 9.746  | 9.796  | VV | 20     | 410  | 0.15% | 0.082% |  |
| 100 | 9.835  | 9.796  | 9.850  | VV | 23     | 532  | 0.20% | 0.106% |  |
| 101 | 9.859  | 9.850  | 9.865  | VV | 26     | 175  | 0.06% | 0.035% |  |
| 102 | 9.873  | 9.865  | 9.888  | VV | 26     | 292  | 0.11% | 0.058% |  |
| 103 | 9.912  | 9.888  | 9.922  | VV | 37     | 559  | 0.21% | 0.112% |  |
| 104 | 9.938  | 9.922  | 9.973  | VV | 40     | 921  | 0.34% | 0.184% |  |
| 105 | 10.001 | 9.973  | 10.027 | VV | 38     | 763  | 0.28% | 0.152% |  |
| 106 | 10.057 | 10.027 | 10.096 | VV | 30     | 682  | 0.25% | 0.136% |  |
| 107 | 10.121 | 10.096 | 10.142 | VV | 28     | 463  | 0.17% | 0.093% |  |
| 108 | 10.155 | 10.142 | 10.168 | VV | 34     | 356  | 0.13% | 0.071% |  |
| 109 | 10.184 | 10.168 | 10.194 | VV | 35     | 345  | 0.13% | 0.069% |  |
| 110 | 10.202 | 10.194 | 10.213 | VV | 20     | 193  | 0.07% | 0.039% |  |
| 111 | 10.261 | 10.213 | 10.280 | VV | 36     | 1010 | 0.37% | 0.202% |  |
| 112 | 10.357 | 10.280 | 10.367 | VV | 81     | 2744 | 1.01% | 0.548% |  |
| 113 | 10.377 | 10.367 | 10.405 | VV | 86     | 1849 | 0.68% | 0.369% |  |
| 114 | 10.418 | 10.405 | 10.452 | VV | 94     | 2081 | 0.77% | 0.415% |  |
| 115 | 10.457 | 10.452 | 10.471 | VV | 68     | 692  | 0.25% | 0.138% |  |
| 116 | 10.480 | 10.471 | 10.500 | VV | 56     | 809  | 0.30% | 0.162% |  |
| 117 | 10.517 | 10.500 | 10.541 | VV | 53     | 931  | 0.34% | 0.186% |  |
| 118 | 10.626 | 10.541 | 10.638 | VV | 109    | 3559 | 1.31% | 0.711% |  |
| 119 | 10.642 | 10.638 | 10.709 | VV | 101    | 2375 | 0.87% | 0.474% |  |
| 120 | 10.720 | 10.709 | 10.744 | VV | 30     | 478  | 0.18% | 0.096% |  |
| 121 | 10.793 | 10.744 | 10.818 | VV | 31     | 1029 | 0.38% | 0.205% |  |
| 122 | 10.854 | 10.818 | 10.887 | VV | 35     | 1036 | 0.38% | 0.207% |  |
| 123 | 10.900 | 10.887 | 10.909 | VV | 22     | 216  | 0.08% | 0.043% |  |
| 124 | 10.915 | 10.909 | 10.928 | VV | 19     | 140  | 0.05% | 0.028% |  |
| 125 | 10.974 | 10.928 | 10.997 | VV | 31     | 759  | 0.28% | 0.152% |  |
| 126 | 11.047 | 10.997 | 11.086 | VV | 29     | 776  | 0.29% | 0.155% |  |
| 127 | 11.096 | 11.086 | 11.103 | VV | 27     | 160  | 0.06% | 0.032% |  |
| 128 | 11.126 | 11.103 | 11.148 | VV | 28     | 586  | 0.22% | 0.117% |  |
| 129 | 11.174 | 11.148 | 11.198 | VV | 34     | 716  | 0.26% | 0.143% |  |
| 130 | 11.207 | 11.198 | 11.228 | VV | 21     | 269  | 0.10% | 0.054% |  |
| 131 | 11.246 | 11.228 | 11.292 | VV | 27     | 651  | 0.24% | 0.130% |  |
| 132 | 11.300 | 11.292 | 11.310 | VV | 19     | 182  | 0.07% | 0.036% |  |
| 133 | 11.320 | 11.310 | 11.329 | VV | 21     | 191  | 0.07% | 0.038% |  |
| 134 | 11.343 | 11.329 | 11.360 | VV | 28     | 360  | 0.13% | 0.072% |  |
| 135 | 11.367 | 11.360 | 11.392 | VV | 20     | 337  | 0.12% | 0.067% |  |
| 136 | 11.440 | 11.392 | 11.447 | VV | 27     | 591  | 0.22% | 0.118% |  |
| 137 | 11.477 | 11.447 | 11.495 | VV | 39     | 745  | 0.27% | 0.149% |  |
| 138 | 11.515 | 11.495 | 11.524 | VV | 33     | 440  | 0.16% | 0.088% |  |
| 139 | 11.533 | 11.524 | 11.557 | VV | 37     | 398  | 0.15% | 0.080% |  |
| 140 | 11.574 | 11.557 | 11.618 | VV | 22     | 698  | 0.26% | 0.139% |  |
| 141 | 11.626 | 11.618 | 11.645 | VV | 26     | 334  | 0.12% | 0.067% |  |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 142 | 11.653 | 11.645 | 11.662 | VV | 27     | 199   | 0.07% | 0.040% |
| 143 | 11.680 | 11.662 | 11.710 | VV | 38     | 628   | 0.23% | 0.125% |
| 144 | 11.719 | 11.710 | 11.731 | PV | 15     | 114   | 0.04% | 0.023% |
| 145 | 11.748 | 11.731 | 11.759 | VV | 21     | 261   | 0.10% | 0.052% |
| 146 | 11.813 | 11.759 | 11.838 | VV | 34     | 987   | 0.36% | 0.197% |
| 147 | 11.893 | 11.838 | 11.934 | VV | 31     | 1261  | 0.46% | 0.252% |
| 148 | 11.949 | 11.934 | 11.957 | VV | 20     | 203   | 0.07% | 0.041% |
| 149 | 11.976 | 11.957 | 11.988 | VV | 43     | 439   | 0.16% | 0.088% |
| 150 | 12.000 | 11.988 | 12.009 | VV | 17     | 172   | 0.06% | 0.034% |
| 151 | 12.047 | 12.009 | 12.055 | VV | 24     | 398   | 0.15% | 0.079% |
| 152 | 12.085 | 12.055 | 12.102 | VV | 29     | 552   | 0.20% | 0.110% |
| 153 | 12.117 | 12.102 | 12.133 | VV | 30     | 370   | 0.14% | 0.074% |
| 154 | 12.164 | 12.133 | 12.184 | VV | 27     | 569   | 0.21% | 0.114% |
| 155 | 12.200 | 12.184 | 12.225 | VV | 23     | 394   | 0.15% | 0.079% |
| 156 | 12.235 | 12.225 | 12.243 | VV | 21     | 134   | 0.05% | 0.027% |
| 157 | 12.265 | 12.243 | 12.285 | VV | 32     | 476   | 0.18% | 0.095% |
| 158 | 12.293 | 12.285 | 12.314 | VV | 25     | 273   | 0.10% | 0.055% |
| 159 | 12.345 | 12.314 | 12.401 | PV | 23     | 572   | 0.21% | 0.114% |
| 160 | 12.412 | 12.401 | 12.430 | VV | 15     | 207   | 0.08% | 0.041% |
| 161 | 12.442 | 12.430 | 12.450 | VV | 14     | 130   | 0.05% | 0.026% |
| 162 | 12.487 | 12.450 | 12.528 | VV | 35     | 788   | 0.29% | 0.157% |
| 163 | 12.539 | 12.528 | 12.547 | VV | 16     | 124   | 0.05% | 0.025% |
| 164 | 12.571 | 12.547 | 12.594 | VV | 21     | 360   | 0.13% | 0.072% |
| 165 | 12.609 | 12.594 | 12.635 | PV | 18     | 290   | 0.11% | 0.058% |
| 166 | 12.649 | 12.635 | 12.659 | VV | 25     | 228   | 0.08% | 0.046% |
| 167 | 12.665 | 12.659 | 12.680 | VV | 12     | 113   | 0.04% | 0.023% |
| 168 | 12.690 | 12.680 | 12.695 | VV | 14     | 90    | 0.03% | 0.018% |
| 169 | 12.754 | 12.695 | 12.776 | VV | 46     | 1255  | 0.46% | 0.251% |
| 170 | 12.782 | 12.776 | 12.822 | VV | 35     | 725   | 0.27% | 0.145% |
| 171 | 12.870 | 12.822 | 12.896 | VV | 33     | 1180  | 0.43% | 0.236% |
| 172 | 12.907 | 12.896 | 12.922 | VV | 45     | 584   | 0.21% | 0.117% |
| 173 | 12.938 | 12.922 | 12.988 | VV | 41     | 1101  | 0.41% | 0.220% |
| 174 | 13.007 | 12.988 | 13.018 | VV | 46     | 470   | 0.17% | 0.094% |
| 175 | 13.066 | 13.018 | 13.116 | VV | 55     | 2334  | 0.86% | 0.466% |
| 176 | 13.133 | 13.116 | 13.139 | VV | 32     | 361   | 0.13% | 0.072% |
| 177 | 13.191 | 13.139 | 13.271 | VV | 114    | 5397  | 1.99% | 1.078% |
| 178 | 13.278 | 13.271 | 13.318 | VV | 23     | 357   | 0.13% | 0.071% |
| 179 | 13.327 | 13.318 | 13.334 | VV | 19     | 114   | 0.04% | 0.023% |
| 180 | 13.346 | 13.334 | 13.354 | VV | 32     | 220   | 0.08% | 0.044% |
| 181 | 13.362 | 13.354 | 13.395 | VV | 27     | 285   | 0.10% | 0.057% |
| 182 | 13.400 | 13.395 | 13.404 | VV | 9      | 42    | 0.02% | 0.008% |
| 183 | 13.438 | 13.404 | 13.459 | VV | 23     | 427   | 0.16% | 0.085% |
| 184 | 13.485 | 13.459 | 13.495 | PV | 28     | 392   | 0.14% | 0.078% |
| 185 | 13.529 | 13.495 | 13.560 | VV | 33     | 988   | 0.36% | 0.197% |
| 186 | 13.601 | 13.560 | 13.622 | VV | 40     | 741   | 0.27% | 0.148% |
| 187 | 13.630 | 13.622 | 13.691 | VV | 20     | 754   | 0.28% | 0.150% |
| 188 | 13.699 | 13.691 | 13.708 | VV | 18     | 136   | 0.05% | 0.027% |
| 189 | 13.718 | 13.708 | 13.730 | VV | 18     | 172   | 0.06% | 0.034% |
| 190 | 13.764 | 13.730 | 13.780 | VV | 24     | 543   | 0.20% | 0.108% |
| 191 | 13.790 | 13.780 | 13.806 | VV | 39     | 405   | 0.15% | 0.081% |
| 192 | 13.815 | 13.806 | 13.823 | VV | 27     | 231   | 0.09% | 0.046% |
| 193 | 13.929 | 13.823 | 14.009 | VV | 120    | 7179  | 2.64% | 1.433% |
| 194 | 14.140 | 14.009 | 14.284 | VV | 191    | 17749 | 6.53% | 3.544% |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 195 | 14.299 | 14.284 | 14.309 | VV | 28     | 315   | 0.12% | 0.063% |
| 196 | 14.318 | 14.309 | 14.330 | VV | 30     | 219   | 0.08% | 0.044% |
| 197 | 14.367 | 14.330 | 14.386 | VV | 37     | 495   | 0.18% | 0.099% |
| 198 | 14.423 | 14.386 | 14.437 | VV | 25     | 528   | 0.19% | 0.105% |
| 199 | 14.451 | 14.437 | 14.469 | VV | 21     | 318   | 0.12% | 0.064% |
| 200 | 14.480 | 14.469 | 14.504 | VV | 25     | 365   | 0.13% | 0.073% |
| 201 | 14.520 | 14.504 | 14.532 | VV | 40     | 359   | 0.13% | 0.072% |
| 202 | 14.540 | 14.532 | 14.561 | VV | 33     | 281   | 0.10% | 0.056% |
| 203 | 14.633 | 14.561 | 14.641 | VV | 16     | 425   | 0.16% | 0.085% |
| 204 | 14.666 | 14.641 | 14.688 | VV | 19     | 366   | 0.13% | 0.073% |
| 205 | 14.727 | 14.688 | 14.736 | VV | 24     | 455   | 0.17% | 0.091% |
| 206 | 14.742 | 14.736 | 14.749 | VV | 13     | 80    | 0.03% | 0.016% |
| 207 | 14.762 | 14.749 | 14.776 | VV | 19     | 229   | 0.08% | 0.046% |
| 208 | 14.785 | 14.776 | 14.800 | VV | 16     | 144   | 0.05% | 0.029% |
| 209 | 14.826 | 14.800 | 14.844 | PV | 26     | 428   | 0.16% | 0.085% |
| 210 | 14.892 | 14.844 | 14.904 | VV | 20     | 487   | 0.18% | 0.097% |
| 211 | 14.920 | 14.904 | 14.939 | VV | 21     | 239   | 0.09% | 0.048% |
| 212 | 14.958 | 14.939 | 14.978 | VV | 20     | 297   | 0.11% | 0.059% |
| 213 | 15.016 | 14.978 | 15.026 | VV | 34     | 637   | 0.23% | 0.127% |
| 214 | 15.061 | 15.026 | 15.070 | VV | 60     | 1087  | 0.40% | 0.217% |
| 215 | 15.076 | 15.070 | 15.125 | VV | 54     | 1245  | 0.46% | 0.249% |
| 216 | 15.133 | 15.125 | 15.153 | VV | 26     | 385   | 0.14% | 0.077% |
| 217 | 15.164 | 15.153 | 15.175 | VV | 39     | 336   | 0.12% | 0.067% |
| 218 | 15.182 | 15.175 | 15.204 | VV | 19     | 264   | 0.10% | 0.053% |
| 219 | 15.219 | 15.204 | 15.240 | VV | 23     | 352   | 0.13% | 0.070% |
| 220 | 15.289 | 15.240 | 15.307 | VV | 20     | 507   | 0.19% | 0.101% |
| 221 | 15.316 | 15.307 | 15.327 | VV | 19     | 148   | 0.05% | 0.030% |
| 222 | 15.394 | 15.327 | 15.417 | VV | 67     | 2057  | 0.76% | 0.411% |
| 223 | 15.423 | 15.417 | 15.446 | VV | 52     | 800   | 0.29% | 0.160% |
| 224 | 15.454 | 15.446 | 15.476 | VV | 48     | 672   | 0.25% | 0.134% |
| 225 | 15.483 | 15.476 | 15.490 | VV | 38     | 307   | 0.11% | 0.061% |
| 226 | 15.533 | 15.490 | 15.551 | VV | 58     | 1761  | 0.65% | 0.352% |
| 227 | 15.744 | 15.551 | 15.754 | VV | 188    | 13968 | 5.14% | 2.789% |
| 228 | 15.771 | 15.754 | 15.811 | VV | 203    | 6534  | 2.40% | 1.305% |
| 229 | 15.817 | 15.811 | 15.941 | VV | 187    | 10571 | 3.89% | 2.111% |
| 230 | 15.950 | 15.941 | 15.955 | VV | 84     | 640   | 0.24% | 0.128% |
| 231 | 15.961 | 15.955 | 16.018 | VV | 82     | 1937  | 0.71% | 0.387% |
| 232 | 16.028 | 16.018 | 16.052 | VV | 23     | 367   | 0.13% | 0.073% |
| 233 | 16.059 | 16.052 | 16.071 | VV | 19     | 149   | 0.05% | 0.030% |
| 234 | 16.079 | 16.071 | 16.088 | VV | 11     | 65    | 0.02% | 0.013% |
| 235 | 16.113 | 16.088 | 16.124 | VV | 30     | 334   | 0.12% | 0.067% |
| 236 | 16.197 | 16.124 | 16.283 | VV | 224    | 10543 | 3.88% | 2.105% |
| 237 | 16.291 | 16.283 | 16.305 | VV | 27     | 219   | 0.08% | 0.044% |
| 238 | 16.316 | 16.305 | 16.327 | VV | 18     | 163   | 0.06% | 0.033% |
| 239 | 16.336 | 16.327 | 16.342 | VV | 15     | 94    | 0.03% | 0.019% |
| 240 | 16.404 | 16.342 | 16.415 | VV | 37     | 845   | 0.31% | 0.169% |
| 241 | 16.422 | 16.415 | 16.428 | VV | 24     | 144   | 0.05% | 0.029% |
| 242 | 16.461 | 16.428 | 16.501 | VV | 35     | 1107  | 0.41% | 0.221% |
| 243 | 16.508 | 16.501 | 16.539 | VV | 18     | 263   | 0.10% | 0.053% |
| 244 | 16.553 | 16.539 | 16.562 | VV | 24     | 189   | 0.07% | 0.038% |
| 245 | 16.568 | 16.562 | 16.574 | PV | 11     | 58    | 0.02% | 0.012% |
| 246 | 16.614 | 16.574 | 16.624 | VV | 23     | 410   | 0.15% | 0.082% |

|     |        |        |        |    |        |     |       |        |
|-----|--------|--------|--------|----|--------|-----|-------|--------|
|     |        |        |        |    | rteres |     |       |        |
| 247 | 16.641 | 16.624 | 16.660 | VV | 22     | 267 | 0.10% | 0.053% |
| 248 | 16.670 | 16.660 | 16.680 | PV | 9      | 56  | 0.02% | 0.011% |
| 249 | 16.695 | 16.680 | 16.710 | PV | 9      | 87  | 0.03% | 0.017% |
| 250 | 16.720 | 16.710 | 16.725 | PV | 6      | 26  | 0.01% | 0.005% |

Sum of corrected areas: 500816

FB062325.M Sat Jul 12 00:53:45 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-95                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-04                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 83.7                    |
| Sample Wt/Vol:     | 5.25                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Final Vol:         | 5                       |
| GPC Factor :       |                            | Test:              | Gasoline Range Organics |
| Prep Method :      |                            | Injection Volume : |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032077.D        | 1         | 07/10/25 18:43 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 9.00  | U         | 9.00     | 51.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 14.3  |           | 50 - 150 | 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 >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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032077.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 18:43  
Operator : YP/AJ  
Sample : Q2529-04  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-95

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.801 | 220503   | 14.293 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

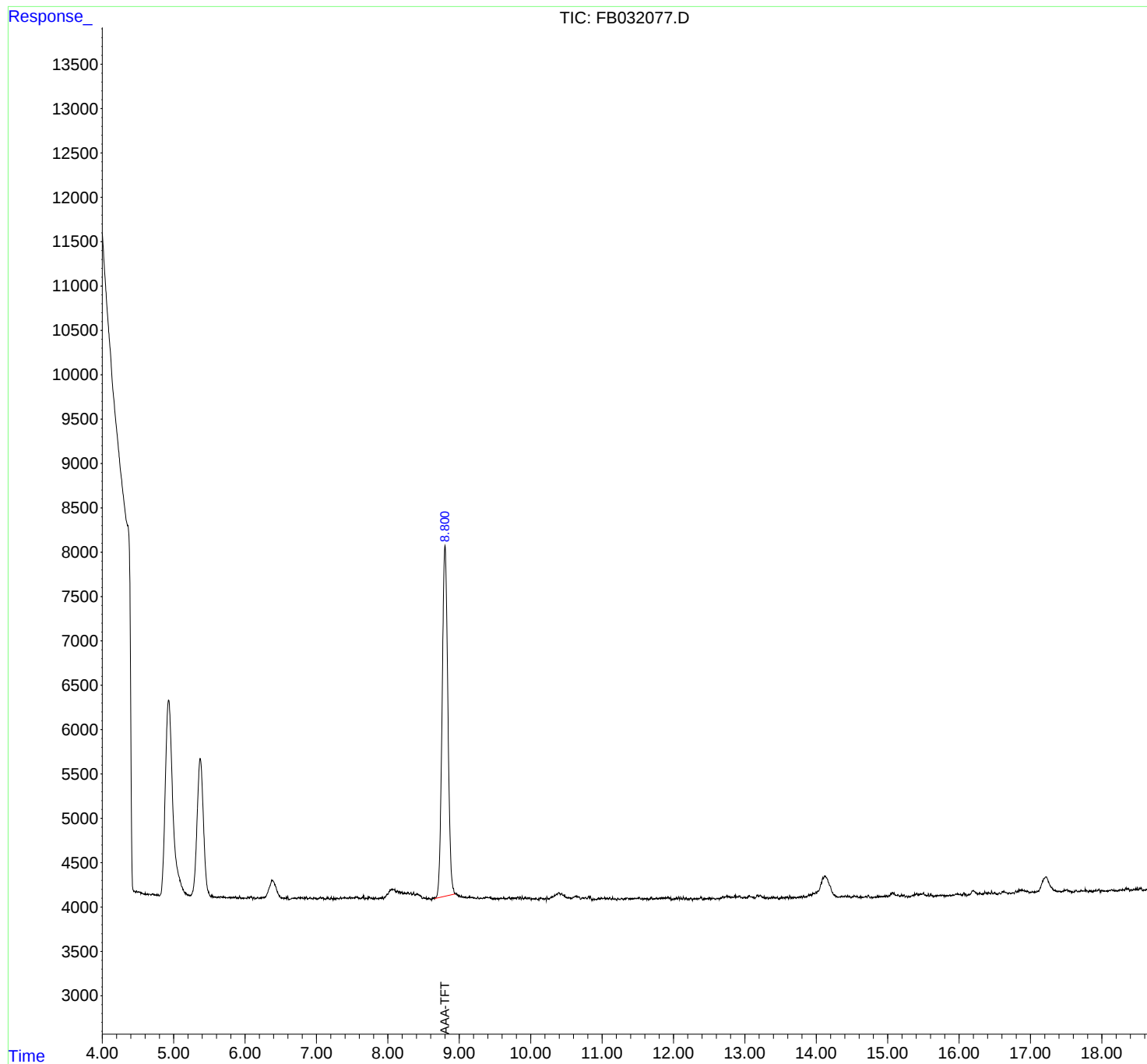
(m)=manual int.

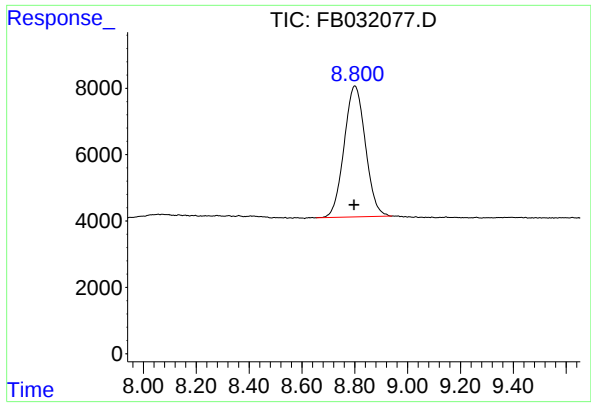
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032077.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 18:43  
Operator : YP/AJ  
Sample : Q2529-04  
Misc : 5.25G/5.00 ML DI WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-95

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.801 min  
Delta R.T.: 0.003 min  
Response: 220503  
Conc: 14.29 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-95

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032077.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 18:43  
 Sample : Q2529-04  
 Misc : 5.25G/5.00 ML DI WATER  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.638       | 4.604        | 4.646      | BV       | 12             | 58           | 0.03%          | 0.014%        |
| 2         | 4.668       | 4.646        | 4.682      | PV       | 13             | 179          | 0.08%          | 0.042%        |
| 3         | 4.714       | 4.682        | 4.724      | VV       | 20             | 292          | 0.13%          | 0.069%        |
| 4         | 4.731       | 4.724        | 4.760      | VV       | 13             | 175          | 0.08%          | 0.041%        |
| 5         | 4.771       | 4.760        | 4.780      | VV       | 16             | 96           | 0.04%          | 0.023%        |
| 6         | 4.788       | 4.780        | 4.799      | VV       | 15             | 73           | 0.03%          | 0.017%        |
| 7         | 5.172       | 5.164        | 5.225      | VV       | 50             | 1053         | 0.46%          | 0.248%        |
| 8         | 5.533       | 5.525        | 5.561      | VV       | 31             | 414          | 0.18%          | 0.098%        |
| 9         | 5.579       | 5.561        | 5.592      | VV       | 18             | 215          | 0.09%          | 0.051%        |
| 10        | 5.597       | 5.592        | 5.609      | VV       | 13             | 99           | 0.04%          | 0.023%        |
| 11        | 5.618       | 5.609        | 5.624      | VV       | 13             | 76           | 0.03%          | 0.018%        |
| 12        | 5.633       | 5.624        | 5.649      | VV       | 19             | 187          | 0.08%          | 0.044%        |
| 13        | 5.660       | 5.649        | 5.681      | VV       | 20             | 270          | 0.12%          | 0.064%        |
| 14        | 5.690       | 5.681        | 5.695      | VV       | 17             | 115          | 0.05%          | 0.027%        |
| 15        | 5.701       | 5.695        | 5.742      | VV       | 20             | 308          | 0.13%          | 0.073%        |
| 16        | 5.751       | 5.742        | 5.765      | VV       | 11             | 118          | 0.05%          | 0.028%        |
| 17        | 5.790       | 5.765        | 5.798      | VV       | 17             | 267          | 0.12%          | 0.063%        |
| 18        | 5.818       | 5.798        | 5.827      | VV       | 16             | 196          | 0.09%          | 0.046%        |
| 19        | 5.836       | 5.827        | 5.852      | VV       | 21             | 209          | 0.09%          | 0.049%        |
| 20        | 5.869       | 5.852        | 5.884      | VV       | 25             | 279          | 0.12%          | 0.066%        |
| 21        | 5.898       | 5.884        | 5.907      | VV       | 15             | 137          | 0.06%          | 0.032%        |
| 22        | 5.924       | 5.907        | 5.950      | VV       | 32             | 346          | 0.15%          | 0.081%        |
| 23        | 5.970       | 5.950        | 6.029      | VV       | 16             | 448          | 0.20%          | 0.106%        |
| 24        | 6.044       | 6.029        | 6.066      | VV       | 25             | 396          | 0.17%          | 0.093%        |
| 25        | 6.087       | 6.066        | 6.110      | VV       | 34             | 569          | 0.25%          | 0.134%        |
| 26        | 6.128       | 6.110        | 6.140      | PV       | 23             | 251          | 0.11%          | 0.059%        |
| 27        | 6.178       | 6.140        | 6.196      | VV       | 26             | 488          | 0.21%          | 0.115%        |
| 28        | 6.214       | 6.196        | 6.223      | VV       | 22             | 253          | 0.11%          | 0.060%        |
| 29        | 6.233       | 6.223        | 6.242      | VV       | 23             | 207          | 0.09%          | 0.049%        |
| 30        | 6.259       | 6.242        | 6.273      | VV       | 29             | 408          | 0.18%          | 0.096%        |
| 31        | 6.384       | 6.273        | 6.522      | VV       | 221            | 15995        | 6.99%          | 3.771%        |
| 32        | 6.529       | 6.522        | 6.547      | VV       | 21             | 276          | 0.12%          | 0.065%        |
| 33        | 6.556       | 6.547        | 6.564      | VV       | 18             | 177          | 0.08%          | 0.042%        |
| 34        | 6.599       | 6.564        | 6.619      | VV       | 41             | 597          | 0.26%          | 0.141%        |
| 35        | 6.670       | 6.619        | 6.720      | PV       | 21             | 887          | 0.39%          | 0.209%        |
| 36        | 6.751       | 6.720        | 6.762      | VV       | 31             | 509          | 0.22%          | 0.120%        |

|    |       |       |       |    |        |        |         |         |  |
|----|-------|-------|-------|----|--------|--------|---------|---------|--|
|    |       |       |       |    | rteres |        |         |         |  |
| 37 | 6.772 | 6.762 | 6.780 | VV | 28     | 240    | 0.10%   | 0.057%  |  |
| 38 | 6.790 | 6.780 | 6.815 | VV | 27     | 431    | 0.19%   | 0.102%  |  |
| 39 | 6.829 | 6.815 | 6.838 | VV | 30     | 262    | 0.11%   | 0.062%  |  |
| 40 | 6.860 | 6.838 | 6.875 | VV | 40     | 475    | 0.21%   | 0.112%  |  |
| 41 | 6.911 | 6.875 | 6.953 | VV | 32     | 791    | 0.35%   | 0.186%  |  |
| 42 | 6.967 | 6.953 | 7.014 | VV | 26     | 602    | 0.26%   | 0.142%  |  |
| 43 | 7.021 | 7.014 | 7.025 | VV | 17     | 90     | 0.04%   | 0.021%  |  |
| 44 | 7.058 | 7.025 | 7.074 | VV | 32     | 588    | 0.26%   | 0.139%  |  |
| 45 | 7.091 | 7.074 | 7.102 | VV | 27     | 351    | 0.15%   | 0.083%  |  |
| 46 | 7.106 | 7.102 | 7.127 | VV | 16     | 182    | 0.08%   | 0.043%  |  |
| 47 | 7.152 | 7.127 | 7.186 | VV | 30     | 549    | 0.24%   | 0.130%  |  |
| 48 | 7.209 | 7.186 | 7.234 | VV | 31     | 453    | 0.20%   | 0.107%  |  |
| 49 | 7.243 | 7.234 | 7.254 | VV | 28     | 176    | 0.08%   | 0.041%  |  |
| 50 | 7.262 | 7.254 | 7.270 | VV | 21     | 101    | 0.04%   | 0.024%  |  |
| 51 | 7.289 | 7.270 | 7.317 | VV | 21     | 431    | 0.19%   | 0.102%  |  |
| 52 | 7.340 | 7.317 | 7.360 | VV | 30     | 488    | 0.21%   | 0.115%  |  |
| 53 | 7.374 | 7.360 | 7.385 | VV | 24     | 313    | 0.14%   | 0.074%  |  |
| 54 | 7.398 | 7.385 | 7.421 | VV | 32     | 532    | 0.23%   | 0.126%  |  |
| 55 | 7.436 | 7.421 | 7.446 | VV | 25     | 315    | 0.14%   | 0.074%  |  |
| 56 | 7.472 | 7.446 | 7.482 | VV | 32     | 504    | 0.22%   | 0.119%  |  |
| 57 | 7.495 | 7.482 | 7.524 | VV | 30     | 570    | 0.25%   | 0.134%  |  |
| 58 | 7.571 | 7.524 | 7.593 | VV | 37     | 1195   | 0.52%   | 0.282%  |  |
| 59 | 7.601 | 7.593 | 7.614 | VV | 24     | 241    | 0.11%   | 0.057%  |  |
| 60 | 7.622 | 7.614 | 7.627 | VV | 21     | 148    | 0.06%   | 0.035%  |  |
| 61 | 7.662 | 7.627 | 7.677 | VV | 54     | 838    | 0.37%   | 0.198%  |  |
| 62 | 7.685 | 7.677 | 7.691 | VV | 24     | 153    | 0.07%   | 0.036%  |  |
| 63 | 7.733 | 7.691 | 7.764 | VV | 37     | 1058   | 0.46%   | 0.249%  |  |
| 64 | 7.776 | 7.764 | 7.816 | VV | 26     | 532    | 0.23%   | 0.125%  |  |
| 65 | 7.829 | 7.816 | 7.860 | VV | 35     | 496    | 0.22%   | 0.117%  |  |
| 66 | 7.867 | 7.860 | 7.876 | VV | 19     | 151    | 0.07%   | 0.036%  |  |
| 67 | 7.903 | 7.876 | 7.911 | VV | 27     | 447    | 0.20%   | 0.105%  |  |
| 68 | 7.924 | 7.911 | 7.941 | VV | 37     | 431    | 0.19%   | 0.102%  |  |
| 69 | 8.056 | 7.941 | 8.064 | VV | 126    | 5462   | 2.39%   | 1.288%  |  |
| 70 | 8.072 | 8.064 | 8.124 | VV | 123    | 3940   | 1.72%   | 0.929%  |  |
| 71 | 8.134 | 8.124 | 8.176 | VV | 110    | 2917   | 1.27%   | 0.688%  |  |
| 72 | 8.197 | 8.176 | 8.223 | VV | 93     | 2254   | 0.99%   | 0.531%  |  |
| 73 | 8.235 | 8.223 | 8.261 | VV | 84     | 1700   | 0.74%   | 0.401%  |  |
| 74 | 8.279 | 8.261 | 8.307 | VV | 91     | 2133   | 0.93%   | 0.503%  |  |
| 75 | 8.324 | 8.307 | 8.349 | VV | 87     | 1796   | 0.79%   | 0.423%  |  |
| 76 | 8.362 | 8.349 | 8.379 | VV | 88     | 1311   | 0.57%   | 0.309%  |  |
| 77 | 8.406 | 8.379 | 8.485 | VV | 76     | 3420   | 1.49%   | 0.806%  |  |
| 78 | 8.497 | 8.485 | 8.531 | VV | 31     | 605    | 0.26%   | 0.143%  |  |
| 79 | 8.537 | 8.531 | 8.546 | VV | 31     | 181    | 0.08%   | 0.043%  |  |
| 80 | 8.557 | 8.546 | 8.565 | VV | 19     | 165    | 0.07%   | 0.039%  |  |
| 81 | 8.574 | 8.565 | 8.612 | VV | 25     | 415    | 0.18%   | 0.098%  |  |
| 82 | 8.640 | 8.612 | 8.648 | VV | 26     | 430    | 0.19%   | 0.101%  |  |
| 83 | 8.801 | 8.648 | 8.954 | VV | 3995   | 228803 | 100.00% | 53.937% |  |
| 84 | 8.965 | 8.954 | 9.022 | VV | 79     | 2226   | 0.97%   | 0.525%  |  |
| 85 | 9.031 | 9.022 | 9.042 | VV | 52     | 490    | 0.21%   | 0.116%  |  |
| 86 | 9.053 | 9.042 | 9.063 | VV | 38     | 447    | 0.20%   | 0.105%  |  |
| 87 | 9.094 | 9.063 | 9.109 | VV | 42     | 886    | 0.39%   | 0.209%  |  |
| 88 | 9.146 | 9.109 | 9.171 | VV | 51     | 1207   | 0.53%   | 0.284%  |  |
| 89 | 9.180 | 9.171 | 9.213 | VV | 36     | 723    | 0.32%   | 0.170%  |  |

|     |        |        |        |    |        |      |       |        |  |
|-----|--------|--------|--------|----|--------|------|-------|--------|--|
|     |        |        |        |    | rteres |      |       |        |  |
| 90  | 9.221  | 9.213  | 9.234  | VV | 27     | 302  | 0.13% | 0.071% |  |
| 91  | 9.261  | 9.234  | 9.281  | VV | 36     | 655  | 0.29% | 0.154% |  |
| 92  | 9.302  | 9.281  | 9.325  | VV | 25     | 541  | 0.24% | 0.127% |  |
| 93  | 9.394  | 9.325  | 9.409  | VV | 36     | 1428 | 0.62% | 0.337% |  |
| 94  | 9.431  | 9.409  | 9.459  | VV | 36     | 813  | 0.36% | 0.192% |  |
| 95  | 9.486  | 9.459  | 9.494  | VV | 26     | 384  | 0.17% | 0.091% |  |
| 96  | 9.501  | 9.494  | 9.569  | VV | 27     | 826  | 0.36% | 0.195% |  |
| 97  | 9.578  | 9.569  | 9.613  | VV | 25     | 563  | 0.25% | 0.133% |  |
| 98  | 9.625  | 9.613  | 9.668  | VV | 36     | 661  | 0.29% | 0.156% |  |
| 99  | 9.695  | 9.668  | 9.718  | VV | 34     | 716  | 0.31% | 0.169% |  |
| 100 | 9.728  | 9.718  | 9.765  | VV | 27     | 602  | 0.26% | 0.142% |  |
| 101 | 9.773  | 9.765  | 9.806  | VV | 29     | 580  | 0.25% | 0.137% |  |
| 102 | 9.818  | 9.806  | 9.838  | VV | 41     | 586  | 0.26% | 0.138% |  |
| 103 | 9.851  | 9.838  | 9.869  | VV | 39     | 507  | 0.22% | 0.119% |  |
| 104 | 9.883  | 9.869  | 9.902  | VV | 37     | 486  | 0.21% | 0.115% |  |
| 105 | 9.922  | 9.902  | 9.931  | VV | 38     | 451  | 0.20% | 0.106% |  |
| 106 | 9.937  | 9.931  | 9.950  | VV | 33     | 272  | 0.12% | 0.064% |  |
| 107 | 9.964  | 9.950  | 9.976  | VV | 33     | 376  | 0.16% | 0.089% |  |
| 108 | 9.989  | 9.976  | 10.009 | VV | 34     | 425  | 0.19% | 0.100% |  |
| 109 | 10.015 | 10.009 | 10.026 | VV | 24     | 180  | 0.08% | 0.042% |  |
| 110 | 10.038 | 10.026 | 10.048 | VV | 22     | 227  | 0.10% | 0.053% |  |
| 111 | 10.079 | 10.048 | 10.109 | VV | 27     | 581  | 0.25% | 0.137% |  |
| 112 | 10.113 | 10.109 | 10.119 | VV | 16     | 69   | 0.03% | 0.016% |  |
| 113 | 10.134 | 10.119 | 10.145 | VV | 26     | 332  | 0.15% | 0.078% |  |
| 114 | 10.155 | 10.145 | 10.170 | VV | 27     | 331  | 0.14% | 0.078% |  |
| 115 | 10.181 | 10.170 | 10.192 | VV | 25     | 233  | 0.10% | 0.055% |  |
| 116 | 10.208 | 10.192 | 10.220 | VV | 22     | 270  | 0.12% | 0.064% |  |
| 117 | 10.230 | 10.220 | 10.262 | PV | 38     | 494  | 0.22% | 0.116% |  |
| 118 | 10.289 | 10.262 | 10.296 | VV | 40     | 574  | 0.25% | 0.135% |  |
| 119 | 10.309 | 10.296 | 10.318 | VV | 45     | 518  | 0.23% | 0.122% |  |
| 120 | 10.399 | 10.318 | 10.430 | VV | 89     | 4445 | 1.94% | 1.048% |  |
| 121 | 10.438 | 10.430 | 10.471 | VV | 77     | 1529 | 0.67% | 0.360% |  |
| 122 | 10.480 | 10.471 | 10.523 | VV | 63     | 1151 | 0.50% | 0.271% |  |
| 123 | 10.533 | 10.523 | 10.581 | VV | 35     | 908  | 0.40% | 0.214% |  |
| 124 | 10.622 | 10.581 | 10.629 | VV | 47     | 1021 | 0.45% | 0.241% |  |
| 125 | 10.636 | 10.629 | 10.642 | VV | 52     | 356  | 0.16% | 0.084% |  |
| 126 | 10.646 | 10.642 | 10.701 | VV | 51     | 1262 | 0.55% | 0.298% |  |
| 127 | 10.722 | 10.701 | 10.750 | VV | 29     | 692  | 0.30% | 0.163% |  |
| 128 | 10.769 | 10.750 | 10.786 | VV | 34     | 556  | 0.24% | 0.131% |  |
| 129 | 10.837 | 10.786 | 10.856 | VV | 46     | 1247 | 0.54% | 0.294% |  |
| 130 | 10.951 | 10.856 | 10.975 | VV | 26     | 916  | 0.40% | 0.216% |  |
| 131 | 10.996 | 10.975 | 11.012 | VV | 28     | 470  | 0.21% | 0.111% |  |
| 132 | 11.037 | 11.012 | 11.059 | VV | 30     | 603  | 0.26% | 0.142% |  |
| 133 | 11.067 | 11.059 | 11.073 | VV | 24     | 171  | 0.07% | 0.040% |  |
| 134 | 11.078 | 11.073 | 11.088 | VV | 26     | 181  | 0.08% | 0.043% |  |
| 135 | 11.108 | 11.088 | 11.125 | VV | 33     | 470  | 0.21% | 0.111% |  |
| 136 | 11.148 | 11.125 | 11.171 | VV | 33     | 444  | 0.19% | 0.105% |  |
| 137 | 11.181 | 11.171 | 11.209 | VV | 19     | 249  | 0.11% | 0.059% |  |
| 138 | 11.221 | 11.209 | 11.252 | PV | 25     | 362  | 0.16% | 0.085% |  |
| 139 | 11.275 | 11.252 | 11.301 | VV | 25     | 419  | 0.18% | 0.099% |  |
| 140 | 11.317 | 11.301 | 11.326 | VV | 24     | 215  | 0.09% | 0.051% |  |
| 141 | 11.335 | 11.326 | 11.378 | VV | 28     | 641  | 0.28% | 0.151% |  |

|     |        |        |        |    | rteres |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
| 142 | 11.390 | 11.378 | 11.416 | VV | 20     | 324  | 0.14% | 0.076% |
| 143 | 11.424 | 11.416 | 11.439 | VV | 23     | 229  | 0.10% | 0.054% |
| 144 | 11.465 | 11.439 | 11.491 | VV | 25     | 594  | 0.26% | 0.140% |
| 145 | 11.509 | 11.491 | 11.546 | VV | 31     | 745  | 0.33% | 0.176% |
|     |        |        |        |    |        |      |       |        |
| 146 | 11.562 | 11.546 | 11.584 | VV | 20     | 319  | 0.14% | 0.075% |
| 147 | 11.593 | 11.584 | 11.603 | VV | 22     | 189  | 0.08% | 0.045% |
| 148 | 11.611 | 11.603 | 11.651 | VV | 20     | 447  | 0.20% | 0.105% |
| 149 | 11.694 | 11.651 | 11.715 | VV | 36     | 698  | 0.31% | 0.165% |
| 150 | 11.758 | 11.715 | 11.778 | VV | 25     | 626  | 0.27% | 0.148% |
|     |        |        |        |    |        |      |       |        |
| 151 | 11.803 | 11.778 | 11.824 | VV | 25     | 522  | 0.23% | 0.123% |
| 152 | 11.833 | 11.824 | 11.888 | VV | 30     | 908  | 0.40% | 0.214% |
| 153 | 11.894 | 11.888 | 11.906 | VV | 32     | 286  | 0.13% | 0.067% |
| 154 | 11.923 | 11.906 | 11.939 | VV | 37     | 560  | 0.24% | 0.132% |
| 155 | 11.951 | 11.939 | 11.986 | VV | 30     | 425  | 0.19% | 0.100% |
|     |        |        |        |    |        |      |       |        |
| 156 | 12.040 | 11.986 | 12.058 | VV | 24     | 671  | 0.29% | 0.158% |
| 157 | 12.072 | 12.058 | 12.086 | VV | 39     | 380  | 0.17% | 0.090% |
| 158 | 12.094 | 12.086 | 12.106 | VV | 34     | 259  | 0.11% | 0.061% |
| 159 | 12.115 | 12.106 | 12.129 | VV | 23     | 207  | 0.09% | 0.049% |
| 160 | 12.140 | 12.129 | 12.159 | VV | 31     | 385  | 0.17% | 0.091% |
|     |        |        |        |    |        |      |       |        |
| 161 | 12.177 | 12.159 | 12.230 | VV | 31     | 604  | 0.26% | 0.142% |
| 162 | 12.241 | 12.230 | 12.272 | VV | 26     | 382  | 0.17% | 0.090% |
| 163 | 12.305 | 12.272 | 12.336 | VV | 23     | 583  | 0.25% | 0.137% |
| 164 | 12.349 | 12.336 | 12.370 | VV | 20     | 372  | 0.16% | 0.088% |
| 165 | 12.394 | 12.370 | 12.414 | VV | 37     | 583  | 0.25% | 0.138% |
|     |        |        |        |    |        |      |       |        |
| 166 | 12.442 | 12.414 | 12.464 | PV | 19     | 412  | 0.18% | 0.097% |
| 167 | 12.475 | 12.464 | 12.483 | VV | 20     | 193  | 0.08% | 0.045% |
| 168 | 12.498 | 12.483 | 12.505 | VV | 23     | 220  | 0.10% | 0.052% |
| 169 | 12.513 | 12.505 | 12.533 | VV | 28     | 267  | 0.12% | 0.063% |
| 170 | 12.542 | 12.533 | 12.552 | VV | 25     | 179  | 0.08% | 0.042% |
|     |        |        |        |    |        |      |       |        |
| 171 | 12.566 | 12.552 | 12.598 | VV | 22     | 409  | 0.18% | 0.096% |
| 172 | 12.607 | 12.598 | 12.617 | VV | 21     | 192  | 0.08% | 0.045% |
| 173 | 12.626 | 12.617 | 12.645 | VV | 20     | 242  | 0.11% | 0.057% |
| 174 | 12.693 | 12.645 | 12.709 | VV | 44     | 984  | 0.43% | 0.232% |
| 175 | 12.747 | 12.709 | 12.774 | VV | 53     | 1453 | 0.63% | 0.342% |
|     |        |        |        |    |        |      |       |        |
| 176 | 12.787 | 12.774 | 12.807 | VV | 39     | 611  | 0.27% | 0.144% |
| 177 | 12.818 | 12.807 | 12.832 | VV | 33     | 449  | 0.20% | 0.106% |
| 178 | 12.858 | 12.832 | 12.880 | VV | 50     | 1066 | 0.47% | 0.251% |
| 179 | 12.931 | 12.880 | 12.946 | VV | 46     | 1359 | 0.59% | 0.320% |
| 180 | 12.956 | 12.946 | 12.974 | VV | 27     | 385  | 0.17% | 0.091% |
|     |        |        |        |    |        |      |       |        |
| 181 | 12.990 | 12.974 | 13.003 | VV | 29     | 408  | 0.18% | 0.096% |
| 182 | 13.016 | 13.003 | 13.032 | VV | 28     | 381  | 0.17% | 0.090% |
| 183 | 13.050 | 13.032 | 13.058 | VV | 40     | 513  | 0.22% | 0.121% |
| 184 | 13.065 | 13.058 | 13.085 | VV | 46     | 580  | 0.25% | 0.137% |
| 185 | 13.101 | 13.085 | 13.111 | VV | 32     | 449  | 0.20% | 0.106% |
|     |        |        |        |    |        |      |       |        |
| 186 | 13.118 | 13.111 | 13.140 | VV | 31     | 385  | 0.17% | 0.091% |
| 187 | 13.182 | 13.140 | 13.192 | VV | 55     | 1077 | 0.47% | 0.254% |
| 188 | 13.216 | 13.192 | 13.262 | VV | 50     | 1438 | 0.63% | 0.339% |
| 189 | 13.273 | 13.262 | 13.285 | VV | 30     | 292  | 0.13% | 0.069% |
| 190 | 13.297 | 13.285 | 13.304 | VV | 26     | 201  | 0.09% | 0.047% |
|     |        |        |        |    |        |      |       |        |
| 191 | 13.318 | 13.304 | 13.329 | VV | 26     | 235  | 0.10% | 0.055% |
| 192 | 13.373 | 13.329 | 13.391 | VV | 31     | 600  | 0.26% | 0.142% |
| 193 | 13.406 | 13.391 | 13.427 | VV | 30     | 422  | 0.18% | 0.100% |
| 194 | 13.436 | 13.427 | 13.448 | VV | 21     | 205  | 0.09% | 0.048% |

|     |        |        |        |    |        |       |        |        |
|-----|--------|--------|--------|----|--------|-------|--------|--------|
|     |        |        |        |    | rteres |       |        |        |
| 195 | 13.458 | 13.448 | 13.480 | VV | 30     | 264   | 0.12%  | 0.062% |
| 196 | 13.515 | 13.480 | 13.536 | VV | 25     | 467   | 0.20%  | 0.110% |
| 197 | 13.600 | 13.536 | 13.615 | VV | 29     | 864   | 0.38%  | 0.204% |
| 198 | 13.630 | 13.615 | 13.649 | VV | 38     | 429   | 0.19%  | 0.101% |
| 199 | 13.664 | 13.649 | 13.673 | VV | 24     | 231   | 0.10%  | 0.054% |
| 200 | 13.693 | 13.673 | 13.721 | VV | 23     | 458   | 0.20%  | 0.108% |
| 201 | 13.738 | 13.721 | 13.758 | VV | 24     | 375   | 0.16%  | 0.088% |
| 202 | 13.767 | 13.758 | 13.780 | VV | 28     | 280   | 0.12%  | 0.066% |
| 203 | 13.793 | 13.780 | 13.806 | VV | 34     | 378   | 0.17%  | 0.089% |
| 204 | 13.820 | 13.806 | 13.850 | VV | 38     | 633   | 0.28%  | 0.149% |
| 205 | 13.857 | 13.850 | 13.874 | VV | 30     | 372   | 0.16%  | 0.088% |
| 206 | 13.894 | 13.874 | 13.938 | VV | 52     | 1586  | 0.69%  | 0.374% |
| 207 | 13.998 | 13.938 | 14.007 | VV | 80     | 2532  | 1.11%  | 0.597% |
| 208 | 14.119 | 14.007 | 14.318 | VV | 260    | 23883 | 10.44% | 5.630% |
| 209 | 14.337 | 14.318 | 14.344 | VV | 22     | 293   | 0.13%  | 0.069% |
| 210 | 14.361 | 14.344 | 14.374 | VV | 29     | 406   | 0.18%  | 0.096% |
| 211 | 14.407 | 14.374 | 14.425 | VV | 30     | 681   | 0.30%  | 0.161% |
| 212 | 14.441 | 14.425 | 14.455 | VV | 37     | 406   | 0.18%  | 0.096% |
| 213 | 14.474 | 14.455 | 14.486 | VV | 25     | 328   | 0.14%  | 0.077% |
| 214 | 14.504 | 14.486 | 14.513 | VV | 23     | 224   | 0.10%  | 0.053% |
| 215 | 14.532 | 14.513 | 14.559 | VV | 33     | 605   | 0.26%  | 0.143% |
| 216 | 14.569 | 14.559 | 14.591 | VV | 27     | 347   | 0.15%  | 0.082% |
| 217 | 14.622 | 14.591 | 14.661 | VV | 27     | 516   | 0.23%  | 0.122% |
| 218 | 14.700 | 14.661 | 14.712 | VV | 24     | 440   | 0.19%  | 0.104% |
| 219 | 14.728 | 14.712 | 14.758 | VV | 32     | 503   | 0.22%  | 0.119% |
| 220 | 14.772 | 14.758 | 14.794 | PV | 18     | 178   | 0.08%  | 0.042% |
| 221 | 14.826 | 14.794 | 14.838 | VV | 14     | 245   | 0.11%  | 0.058% |
| 222 | 14.855 | 14.838 | 14.869 | VV | 25     | 249   | 0.11%  | 0.059% |
| 223 | 14.882 | 14.869 | 14.908 | VV | 21     | 298   | 0.13%  | 0.070% |
| 224 | 14.922 | 14.908 | 14.930 | VV | 19     | 196   | 0.09%  | 0.046% |
| 225 | 14.962 | 14.930 | 14.970 | VV | 26     | 399   | 0.17%  | 0.094% |
| 226 | 15.019 | 14.970 | 15.027 | VV | 28     | 691   | 0.30%  | 0.163% |
| 227 | 15.075 | 15.027 | 15.086 | VV | 55     | 1600  | 0.70%  | 0.377% |
| 228 | 15.094 | 15.086 | 15.135 | VV | 54     | 974   | 0.43%  | 0.230% |
| 229 | 15.144 | 15.135 | 15.177 | VV | 37     | 567   | 0.25%  | 0.134% |
| 230 | 15.195 | 15.177 | 15.218 | VV | 36     | 550   | 0.24%  | 0.130% |
| 231 | 15.232 | 15.218 | 15.257 | VV | 31     | 436   | 0.19%  | 0.103% |
| 232 | 15.268 | 15.257 | 15.281 | VV | 18     | 163   | 0.07%  | 0.039% |
| 233 | 15.291 | 15.281 | 15.318 | PV | 16     | 186   | 0.08%  | 0.044% |
| 234 | 15.348 | 15.318 | 15.358 | VV | 27     | 404   | 0.18%  | 0.095% |
| 235 | 15.378 | 15.358 | 15.389 | VV | 45     | 528   | 0.23%  | 0.124% |
| 236 | 15.410 | 15.389 | 15.434 | VV | 47     | 918   | 0.40%  | 0.216% |
| 237 | 15.457 | 15.434 | 15.481 | VV | 40     | 922   | 0.40%  | 0.217% |
| 238 | 15.503 | 15.481 | 15.555 | VV | 51     | 1237  | 0.54%  | 0.292% |
| 239 | 15.571 | 15.555 | 15.582 | VV | 36     | 330   | 0.14%  | 0.078% |
| 240 | 15.606 | 15.582 | 15.616 | VV | 33     | 377   | 0.16%  | 0.089% |
| 241 | 15.623 | 15.616 | 15.647 | VV | 19     | 198   | 0.09%  | 0.047% |
| 242 | 15.658 | 15.647 | 15.677 | VV | 12     | 145   | 0.06%  | 0.034% |
| 243 | 15.683 | 15.677 | 15.689 | VV | 14     | 67    | 0.03%  | 0.016% |
| 244 | 15.698 | 15.689 | 15.720 | VV | 18     | 223   | 0.10%  | 0.053% |
| 245 | 15.738 | 15.720 | 15.753 | VV | 21     | 273   | 0.12%  | 0.064% |
| 246 | 15.765 | 15.753 | 15.814 | VV | 21     | 386   | 0.17%  | 0.091% |

|     |        |        |        |    |       |      |       |        |  |
|-----|--------|--------|--------|----|-------|------|-------|--------|--|
|     |        |        |        |    | rters |      |       |        |  |
| 247 | 15.823 | 15.814 | 15.857 | VV | 15    | 227  | 0.10% | 0.053% |  |
| 248 | 15.874 | 15.857 | 15.892 | VV | 19    | 245  | 0.11% | 0.058% |  |
| 249 | 15.980 | 15.892 | 16.003 | VV | 32    | 1227 | 0.54% | 0.289% |  |
| 250 | 16.020 | 16.003 | 16.042 | VV | 25    | 387  | 0.17% | 0.091% |  |
| 251 | 16.050 | 16.042 | 16.056 | VV | 24    | 131  | 0.06% | 0.031% |  |
| 252 | 16.071 | 16.056 | 16.088 | VV | 40    | 478  | 0.21% | 0.113% |  |
| 253 | 16.095 | 16.088 | 16.109 | VV | 24    | 208  | 0.09% | 0.049% |  |
| 254 | 16.202 | 16.109 | 16.259 | PV | 61    | 2756 | 1.20% | 0.650% |  |
| 255 | 16.292 | 16.259 | 16.321 | VV | 32    | 729  | 0.32% | 0.172% |  |
| 256 | 16.329 | 16.321 | 16.336 | VV | 20    | 136  | 0.06% | 0.032% |  |
| 257 | 16.342 | 16.336 | 16.347 | VV | 20    | 101  | 0.04% | 0.024% |  |
| 258 | 16.363 | 16.347 | 16.378 | VV | 38    | 498  | 0.22% | 0.117% |  |
| 259 | 16.387 | 16.378 | 16.399 | VV | 30    | 297  | 0.13% | 0.070% |  |
| 260 | 16.415 | 16.399 | 16.443 | VV | 33    | 552  | 0.24% | 0.130% |  |
| 261 | 16.457 | 16.443 | 16.474 | VV | 45    | 451  | 0.20% | 0.106% |  |
| 262 | 16.503 | 16.474 | 16.526 | VV | 31    | 536  | 0.23% | 0.126% |  |
| 263 | 16.533 | 16.526 | 16.545 | VV | 9     | 70   | 0.03% | 0.016% |  |
| 264 | 16.564 | 16.545 | 16.589 | PV | 22    | 312  | 0.14% | 0.074% |  |
| 265 | 16.606 | 16.589 | 16.619 | VV | 35    | 457  | 0.20% | 0.108% |  |
| 266 | 16.628 | 16.619 | 16.697 | VV | 40    | 889  | 0.39% | 0.210% |  |
| 267 | 16.707 | 16.697 | 16.733 | VV | 16    | 195  | 0.09% | 0.046% |  |
| 268 | 16.757 | 16.733 | 16.775 | VV | 14    | 229  | 0.10% | 0.054% |  |
| 269 | 16.794 | 16.775 | 16.810 | PV | 27    | 303  | 0.13% | 0.071% |  |
| 270 | 16.820 | 16.810 | 16.827 | VV | 16    | 83   | 0.04% | 0.020% |  |

Sum of corrected areas: 424207

FB062325.M Fri Jul 11 02:40:33 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-98                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-05                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 86.9                    |
| Sample Wt/Vol:     | 6.5                        | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Final Vol:         | 5                       |
| GPC Factor :       |                            | Test:              | Gasoline Range Organics |
| Prep Method :      |                            | Injection Volume : |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032078.D        | 1         | 07/10/25 19:10 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 7.00  | U         | 7.00     | 40.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 16.4  |           | 50 - 150 | 82%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032078.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 19:10  
Operator : YP/AJ  
Sample : Q2529-05  
Misc : 6.50G/5.00 ML DI WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-98

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.801 | 252346   | 16.357 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

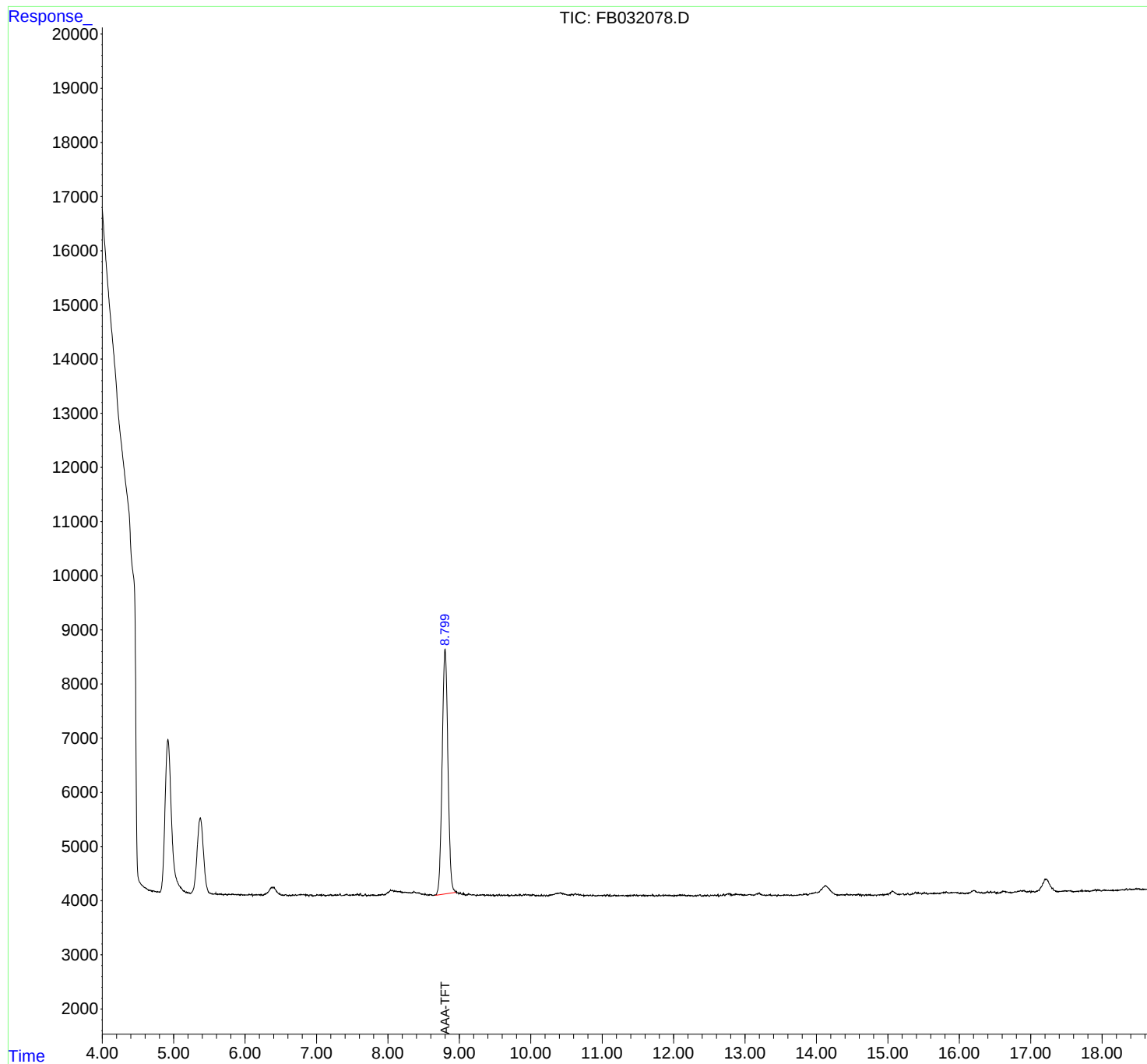
(m)=manual int.

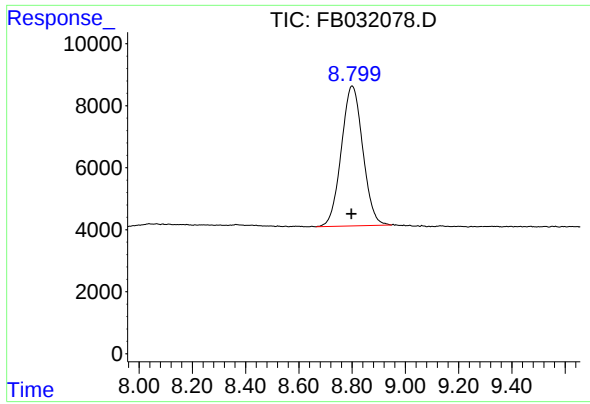
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032078.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 19:10  
Operator : YP/AJ  
Sample : Q2529-05  
Misc : 6.50G/5.00 ML DI WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-98

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.801 min  
Delta R.T.: 0.003 min  
Response: 252346  
Conc: 16.36 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-98

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032078.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 19:10  
 Sample : Q2529-05  
 Misc : 6.50G/5.00 ML DI WATER  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.714       | 4.707        | 4.740      | PV       | 13             | 214          | 0.08%          | 0.049%        |
| 2         | 4.749       | 4.740        | 4.763      | VV       | 11             | 82           | 0.03%          | 0.019%        |
| 3         | 4.778       | 4.763        | 4.802      | PV       | 14             | 153          | 0.06%          | 0.035%        |
| 4         | 5.201       | 5.190        | 5.214      | VV       | 25             | 251          | 0.10%          | 0.058%        |
| 5         | 5.222       | 5.214        | 5.231      | VV       | 15             | 79           | 0.03%          | 0.018%        |
| 6         | 5.591       | 5.561        | 5.614      | VV       | 28             | 464          | 0.18%          | 0.107%        |
| 7         | 5.624       | 5.614        | 5.634      | VV       | 15             | 141          | 0.05%          | 0.033%        |
| 8         | 5.653       | 5.634        | 5.677      | VV       | 22             | 360          | 0.14%          | 0.083%        |
| 9         | 5.689       | 5.677        | 5.698      | VV       | 17             | 130          | 0.05%          | 0.030%        |
| 10        | 5.717       | 5.698        | 5.758      | PV       | 19             | 359          | 0.14%          | 0.083%        |
| 11        | 5.776       | 5.758        | 5.801      | VV       | 20             | 365          | 0.14%          | 0.084%        |
| 12        | 5.822       | 5.801        | 5.892      | VV       | 25             | 834          | 0.32%          | 0.193%        |
| 13        | 5.908       | 5.892        | 5.930      | VV       | 17             | 285          | 0.11%          | 0.066%        |
| 14        | 5.955       | 5.930        | 5.967      | PV       | 22             | 282          | 0.11%          | 0.065%        |
| 15        | 5.984       | 5.967        | 6.000      | VV       | 12             | 163          | 0.06%          | 0.038%        |
| 16        | 6.015       | 6.000        | 6.023      | VV       | 13             | 135          | 0.05%          | 0.031%        |
| 17        | 6.061       | 6.023        | 6.082      | VV       | 19             | 457          | 0.17%          | 0.105%        |
| 18        | 6.097       | 6.082        | 6.114      | VV       | 30             | 269          | 0.10%          | 0.062%        |
| 19        | 6.135       | 6.114        | 6.143      | VV       | 16             | 199          | 0.08%          | 0.046%        |
| 20        | 6.152       | 6.143        | 6.188      | VV       | 20             | 393          | 0.15%          | 0.091%        |
| 21        | 6.195       | 6.188        | 6.209      | VV       | 23             | 211          | 0.08%          | 0.049%        |
| 22        | 6.226       | 6.209        | 6.254      | VV       | 22             | 357          | 0.14%          | 0.082%        |
| 23        | 6.367       | 6.254        | 6.382      | VV       | 155            | 5610         | 2.14%          | 1.295%        |
| 24        | 6.393       | 6.382        | 6.508      | VV       | 165            | 6459         | 2.47%          | 1.491%        |
| 25        | 6.519       | 6.508        | 6.549      | VV       | 23             | 345          | 0.13%          | 0.080%        |
| 26        | 6.572       | 6.549        | 6.586      | VV       | 25             | 394          | 0.15%          | 0.091%        |
| 27        | 6.596       | 6.586        | 6.606      | VV       | 12             | 93           | 0.04%          | 0.022%        |
| 28        | 6.624       | 6.606        | 6.636      | VV       | 19             | 196          | 0.07%          | 0.045%        |
| 29        | 6.639       | 6.636        | 6.645      | VV       | 12             | 44           | 0.02%          | 0.010%        |
| 30        | 6.661       | 6.645        | 6.670      | VV       | 25             | 214          | 0.08%          | 0.049%        |
| 31        | 6.680       | 6.670        | 6.696      | VV       | 18             | 234          | 0.09%          | 0.054%        |
| 32        | 6.707       | 6.696        | 6.720      | VV       | 29             | 288          | 0.11%          | 0.066%        |
| 33        | 6.780       | 6.720        | 6.808      | VV       | 30             | 1186         | 0.45%          | 0.274%        |
| 34        | 6.817       | 6.808        | 6.834      | VV       | 30             | 401          | 0.15%          | 0.092%        |
| 35        | 6.844       | 6.834        | 6.852      | VV       | 35             | 250          | 0.10%          | 0.058%        |
| 36        | 6.865       | 6.852        | 6.894      | VV       | 30             | 505          | 0.19%          | 0.117%        |

|    |       |       |       |    |       |        |         |         |
|----|-------|-------|-------|----|-------|--------|---------|---------|
|    |       |       |       |    | rters |        |         |         |
| 37 | 6.920 | 6.894 | 6.951 | PV | 27    | 585    | 0.22%   | 0.135%  |
| 38 | 6.964 | 6.951 | 6.976 | PV | 11    | 116    | 0.04%   | 0.027%  |
| 39 | 7.019 | 6.976 | 7.039 | VV | 28    | 685    | 0.26%   | 0.158%  |
| 40 | 7.048 | 7.039 | 7.069 | VV | 25    | 374    | 0.14%   | 0.086%  |
| 41 | 7.100 | 7.069 | 7.132 | VV | 31    | 595    | 0.23%   | 0.137%  |
| 42 | 7.141 | 7.132 | 7.145 | VV | 16    | 79     | 0.03%   | 0.018%  |
| 43 | 7.158 | 7.145 | 7.179 | VV | 20    | 332    | 0.13%   | 0.077%  |
| 44 | 7.198 | 7.179 | 7.231 | VV | 34    | 635    | 0.24%   | 0.147%  |
| 45 | 7.260 | 7.231 | 7.287 | VV | 26    | 634    | 0.24%   | 0.146%  |
| 46 | 7.296 | 7.287 | 7.311 | VV | 27    | 273    | 0.10%   | 0.063%  |
| 47 | 7.332 | 7.311 | 7.350 | VV | 45    | 559    | 0.21%   | 0.129%  |
| 48 | 7.428 | 7.350 | 7.465 | VV | 38    | 1394   | 0.53%   | 0.322%  |
| 49 | 7.471 | 7.465 | 7.481 | VV | 29    | 210    | 0.08%   | 0.048%  |
| 50 | 7.517 | 7.481 | 7.532 | VV | 29    | 670    | 0.26%   | 0.155%  |
| 51 | 7.576 | 7.532 | 7.604 | VV | 42    | 1141   | 0.44%   | 0.263%  |
| 52 | 7.616 | 7.604 | 7.665 | VV | 51    | 815    | 0.31%   | 0.188%  |
| 53 | 7.688 | 7.665 | 7.719 | VV | 37    | 637    | 0.24%   | 0.147%  |
| 54 | 7.732 | 7.719 | 7.752 | VV | 25    | 302    | 0.12%   | 0.070%  |
| 55 | 7.757 | 7.752 | 7.764 | VV | 23    | 125    | 0.05%   | 0.029%  |
| 56 | 7.777 | 7.764 | 7.791 | VV | 27    | 321    | 0.12%   | 0.074%  |
| 57 | 7.804 | 7.791 | 7.816 | VV | 27    | 268    | 0.10%   | 0.062%  |
| 58 | 7.826 | 7.816 | 7.845 | VV | 19    | 237    | 0.09%   | 0.055%  |
| 59 | 7.924 | 7.845 | 7.956 | VV | 40    | 1571   | 0.60%   | 0.363%  |
| 60 | 8.038 | 7.956 | 8.056 | VV | 117   | 4255   | 1.62%   | 0.982%  |
| 61 | 8.067 | 8.056 | 8.081 | VV | 112   | 1517   | 0.58%   | 0.350%  |
| 62 | 8.090 | 8.081 | 8.103 | VV | 102   | 1260   | 0.48%   | 0.291%  |
| 63 | 8.113 | 8.103 | 8.175 | VV | 97    | 3709   | 1.42%   | 0.856%  |
| 64 | 8.180 | 8.175 | 8.202 | VV | 85    | 1227   | 0.47%   | 0.283%  |
| 65 | 8.210 | 8.202 | 8.284 | VV | 76    | 3445   | 1.32%   | 0.795%  |
| 66 | 8.306 | 8.284 | 8.334 | VV | 70    | 1894   | 0.72%   | 0.437%  |
| 67 | 8.364 | 8.334 | 8.414 | VV | 90    | 3327   | 1.27%   | 0.768%  |
| 68 | 8.424 | 8.414 | 8.487 | VV | 65    | 2172   | 0.83%   | 0.501%  |
| 69 | 8.495 | 8.487 | 8.513 | VV | 40    | 546    | 0.21%   | 0.126%  |
| 70 | 8.522 | 8.513 | 8.540 | VV | 40    | 442    | 0.17%   | 0.102%  |
| 71 | 8.551 | 8.540 | 8.562 | VV | 33    | 322    | 0.12%   | 0.074%  |
| 72 | 8.590 | 8.562 | 8.634 | VV | 31    | 991    | 0.38%   | 0.229%  |
| 73 | 8.650 | 8.634 | 8.663 | VV | 28    | 335    | 0.13%   | 0.077%  |
| 74 | 8.800 | 8.663 | 9.005 | VV | 4559  | 261933 | 100.00% | 60.477% |
| 75 | 9.017 | 9.005 | 9.036 | VV | 65    | 869    | 0.33%   | 0.201%  |
| 76 | 9.063 | 9.036 | 9.082 | VV | 54    | 1022   | 0.39%   | 0.236%  |
| 77 | 9.102 | 9.082 | 9.111 | VV | 29    | 392    | 0.15%   | 0.090%  |
| 78 | 9.132 | 9.111 | 9.152 | VV | 45    | 849    | 0.32%   | 0.196%  |
| 79 | 9.160 | 9.152 | 9.172 | VV | 30    | 300    | 0.11%   | 0.069%  |
| 80 | 9.200 | 9.172 | 9.236 | VV | 29    | 847    | 0.32%   | 0.196%  |
| 81 | 9.248 | 9.236 | 9.272 | VV | 25    | 375    | 0.14%   | 0.087%  |
| 82 | 9.286 | 9.272 | 9.306 | VV | 26    | 419    | 0.16%   | 0.097%  |
| 83 | 9.325 | 9.306 | 9.339 | VV | 31    | 490    | 0.19%   | 0.113%  |
| 84 | 9.346 | 9.339 | 9.364 | VV | 27    | 304    | 0.12%   | 0.070%  |
| 85 | 9.398 | 9.364 | 9.422 | VV | 27    | 673    | 0.26%   | 0.155%  |
| 86 | 9.433 | 9.422 | 9.442 | VV | 26    | 229    | 0.09%   | 0.053%  |
| 87 | 9.449 | 9.442 | 9.458 | VV | 20    | 156    | 0.06%   | 0.036%  |
| 88 | 9.471 | 9.458 | 9.506 | VV | 28    | 480    | 0.18%   | 0.111%  |
| 89 | 9.523 | 9.506 | 9.540 | VV | 25    | 351    | 0.13%   | 0.081%  |

|     |        |        |        |    |        |      |       |        |  |
|-----|--------|--------|--------|----|--------|------|-------|--------|--|
|     |        |        |        |    | rteres |      |       |        |  |
| 90  | 9.552  | 9.540  | 9.578  | VV | 31     | 433  | 0.17% | 0.100% |  |
| 91  | 9.590  | 9.578  | 9.607  | VV | 25     | 274  | 0.10% | 0.063% |  |
| 92  | 9.619  | 9.607  | 9.667  | VV | 22     | 603  | 0.23% | 0.139% |  |
| 93  | 9.671  | 9.667  | 9.676  | VV | 21     | 98   | 0.04% | 0.023% |  |
| 94  | 9.684  | 9.676  | 9.695  | VV | 29     | 186  | 0.07% | 0.043% |  |
| 95  | 9.730  | 9.695  | 9.755  | PV | 26     | 465  | 0.18% | 0.107% |  |
| 96  | 9.795  | 9.755  | 9.818  | VV | 28     | 643  | 0.25% | 0.148% |  |
| 97  | 9.823  | 9.818  | 9.828  | VV | 17     | 88   | 0.03% | 0.020% |  |
| 98  | 9.840  | 9.828  | 9.848  | VV | 38     | 334  | 0.13% | 0.077% |  |
| 99  | 9.854  | 9.848  | 9.881  | VV | 33     | 345  | 0.13% | 0.080% |  |
| 100 | 9.900  | 9.881  | 9.913  | VV | 33     | 405  | 0.15% | 0.093% |  |
| 101 | 9.927  | 9.913  | 9.943  | VV | 41     | 500  | 0.19% | 0.116% |  |
| 102 | 9.972  | 9.943  | 10.014 | VV | 29     | 866  | 0.33% | 0.200% |  |
| 103 | 10.045 | 10.014 | 10.079 | VV | 27     | 669  | 0.26% | 0.154% |  |
| 104 | 10.088 | 10.079 | 10.136 | VV | 17     | 332  | 0.13% | 0.077% |  |
| 105 | 10.148 | 10.136 | 10.170 | VV | 27     | 253  | 0.10% | 0.058% |  |
| 106 | 10.193 | 10.170 | 10.207 | VV | 22     | 312  | 0.12% | 0.072% |  |
| 107 | 10.219 | 10.207 | 10.240 | PV | 21     | 193  | 0.07% | 0.044% |  |
| 108 | 10.274 | 10.240 | 10.286 | VV | 23     | 417  | 0.16% | 0.096% |  |
| 109 | 10.380 | 10.286 | 10.390 | VV | 57     | 2382 | 0.91% | 0.550% |  |
| 110 | 10.416 | 10.390 | 10.450 | VV | 64     | 1891 | 0.72% | 0.437% |  |
| 111 | 10.458 | 10.450 | 10.509 | VV | 47     | 1195 | 0.46% | 0.276% |  |
| 112 | 10.521 | 10.509 | 10.541 | VV | 23     | 373  | 0.14% | 0.086% |  |
| 113 | 10.550 | 10.541 | 10.559 | VV | 29     | 217  | 0.08% | 0.050% |  |
| 114 | 10.571 | 10.559 | 10.598 | VV | 37     | 605  | 0.23% | 0.140% |  |
| 115 | 10.625 | 10.598 | 10.645 | VV | 45     | 926  | 0.35% | 0.214% |  |
| 116 | 10.664 | 10.645 | 10.680 | VV | 41     | 599  | 0.23% | 0.138% |  |
| 117 | 10.694 | 10.680 | 10.752 | VV | 31     | 682  | 0.26% | 0.157% |  |
| 118 | 10.788 | 10.752 | 10.814 | VV | 17     | 408  | 0.16% | 0.094% |  |
| 119 | 10.835 | 10.814 | 10.864 | VV | 23     | 252  | 0.10% | 0.058% |  |
| 120 | 10.870 | 10.864 | 10.938 | PB | 18     | 196  | 0.07% | 0.045% |  |
| 121 | 10.981 | 10.942 | 11.011 | BV | 9      | 222  | 0.08% | 0.051% |  |
| 122 | 11.028 | 11.011 | 11.045 | VV | 21     | 269  | 0.10% | 0.062% |  |
| 123 | 11.077 | 11.045 | 11.100 | PV | 33     | 582  | 0.22% | 0.134% |  |
| 124 | 11.108 | 11.100 | 11.119 | VV | 33     | 180  | 0.07% | 0.042% |  |
| 125 | 11.153 | 11.119 | 11.161 | PV | 17     | 232  | 0.09% | 0.054% |  |
| 126 | 11.175 | 11.161 | 11.192 | VV | 26     | 327  | 0.12% | 0.075% |  |
| 127 | 11.206 | 11.192 | 11.221 | VV | 19     | 217  | 0.08% | 0.050% |  |
| 128 | 11.232 | 11.221 | 11.273 | VV | 20     | 423  | 0.16% | 0.098% |  |
| 129 | 11.281 | 11.273 | 11.318 | VV | 21     | 406  | 0.16% | 0.094% |  |
| 130 | 11.330 | 11.318 | 11.367 | VV | 19     | 335  | 0.13% | 0.077% |  |
| 131 | 11.381 | 11.367 | 11.401 | PV | 21     | 290  | 0.11% | 0.067% |  |
| 132 | 11.417 | 11.401 | 11.427 | VV | 28     | 255  | 0.10% | 0.059% |  |
| 133 | 11.454 | 11.427 | 11.472 | VV | 31     | 592  | 0.23% | 0.137% |  |
| 134 | 11.484 | 11.472 | 11.494 | VV | 33     | 261  | 0.10% | 0.060% |  |
| 135 | 11.498 | 11.494 | 11.505 | VV | 18     | 87   | 0.03% | 0.020% |  |
| 136 | 11.519 | 11.505 | 11.529 | VV | 25     | 268  | 0.10% | 0.062% |  |
| 137 | 11.540 | 11.529 | 11.553 | VV | 27     | 303  | 0.12% | 0.070% |  |
| 138 | 11.575 | 11.553 | 11.596 | VV | 31     | 492  | 0.19% | 0.114% |  |
| 139 | 11.601 | 11.596 | 11.616 | VV | 23     | 197  | 0.08% | 0.046% |  |
| 140 | 11.629 | 11.616 | 11.685 | VV | 23     | 701  | 0.27% | 0.162% |  |
| 141 | 11.702 | 11.685 | 11.736 | VV | 38     | 549  | 0.21% | 0.127% |  |

|     |        |        |        |    | rteres |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
| 142 | 11.756 | 11.736 | 11.773 | VV | 26     | 338   | 0.13% | 0.078% |
| 143 | 11.796 | 11.773 | 11.823 | VV | 38     | 552   | 0.21% | 0.127% |
| 144 | 11.842 | 11.823 | 11.857 | VV | 28     | 348   | 0.13% | 0.080% |
| 145 | 11.885 | 11.857 | 11.924 | VV | 31     | 844   | 0.32% | 0.195% |
| 146 | 11.946 | 11.924 | 11.974 | VV | 26     | 585   | 0.22% | 0.135% |
| 147 | 11.990 | 11.974 | 12.000 | VV | 19     | 222   | 0.08% | 0.051% |
| 148 | 12.032 | 12.000 | 12.041 | VV | 19     | 421   | 0.16% | 0.097% |
| 149 | 12.055 | 12.041 | 12.063 | VV | 29     | 260   | 0.10% | 0.060% |
| 150 | 12.088 | 12.063 | 12.175 | VV | 36     | 1589  | 0.61% | 0.367% |
| 151 | 12.191 | 12.175 | 12.198 | VV | 18     | 208   | 0.08% | 0.048% |
| 152 | 12.212 | 12.198 | 12.275 | VV | 29     | 734   | 0.28% | 0.170% |
| 153 | 12.313 | 12.275 | 12.322 | VV | 22     | 360   | 0.14% | 0.083% |
| 154 | 12.333 | 12.322 | 12.344 | VV | 26     | 232   | 0.09% | 0.054% |
| 155 | 12.373 | 12.344 | 12.422 | VV | 33     | 858   | 0.33% | 0.198% |
| 156 | 12.433 | 12.422 | 12.445 | VV | 26     | 262   | 0.10% | 0.061% |
| 157 | 12.458 | 12.445 | 12.467 | VV | 24     | 246   | 0.09% | 0.057% |
| 158 | 12.478 | 12.467 | 12.505 | VV | 29     | 367   | 0.14% | 0.085% |
| 159 | 12.543 | 12.505 | 12.564 | VV | 29     | 716   | 0.27% | 0.165% |
| 160 | 12.574 | 12.564 | 12.605 | VV | 30     | 557   | 0.21% | 0.129% |
| 161 | 12.614 | 12.605 | 12.632 | VV | 33     | 320   | 0.12% | 0.074% |
| 162 | 12.661 | 12.632 | 12.672 | PV | 26     | 368   | 0.14% | 0.085% |
| 163 | 12.702 | 12.672 | 12.715 | VV | 42     | 601   | 0.23% | 0.139% |
| 164 | 12.756 | 12.715 | 12.767 | VV | 38     | 882   | 0.34% | 0.204% |
| 165 | 12.775 | 12.767 | 12.795 | VV | 43     | 566   | 0.22% | 0.131% |
| 166 | 12.804 | 12.795 | 12.826 | VV | 32     | 275   | 0.10% | 0.063% |
| 167 | 12.839 | 12.826 | 12.849 | VV | 21     | 159   | 0.06% | 0.037% |
| 168 | 12.862 | 12.849 | 12.926 | VB | 26     | 671   | 0.26% | 0.155% |
| 169 | 12.995 | 12.929 | 13.029 | BV | 11     | 61    | 0.02% | 0.014% |
| 170 | 13.066 | 13.029 | 13.118 | PV | 17     | 607   | 0.23% | 0.140% |
| 171 | 13.128 | 13.118 | 13.137 | VV | 15     | 110   | 0.04% | 0.025% |
| 172 | 13.203 | 13.137 | 13.262 | VV | 54     | 2005  | 0.77% | 0.463% |
| 173 | 13.276 | 13.262 | 13.289 | VV | 18     | 194   | 0.07% | 0.045% |
| 174 | 13.308 | 13.289 | 13.322 | VV | 16     | 200   | 0.08% | 0.046% |
| 175 | 13.354 | 13.322 | 13.364 | VV | 30     | 443   | 0.17% | 0.102% |
| 176 | 13.369 | 13.364 | 13.379 | VV | 16     | 85    | 0.03% | 0.020% |
| 177 | 13.392 | 13.379 | 13.422 | VV | 19     | 395   | 0.15% | 0.091% |
| 178 | 13.430 | 13.422 | 13.450 | VV | 23     | 230   | 0.09% | 0.053% |
| 179 | 13.465 | 13.450 | 13.510 | PV | 24     | 513   | 0.20% | 0.118% |
| 180 | 13.520 | 13.510 | 13.541 | VV | 21     | 289   | 0.11% | 0.067% |
| 181 | 13.550 | 13.541 | 13.573 | VV | 25     | 390   | 0.15% | 0.090% |
| 182 | 13.585 | 13.573 | 13.596 | VV | 24     | 301   | 0.11% | 0.070% |
| 183 | 13.606 | 13.596 | 13.625 | VV | 24     | 317   | 0.12% | 0.073% |
| 184 | 13.650 | 13.625 | 13.673 | VV | 27     | 439   | 0.17% | 0.101% |
| 185 | 13.691 | 13.673 | 13.736 | VV | 19     | 535   | 0.20% | 0.124% |
| 186 | 13.781 | 13.736 | 13.808 | VV | 30     | 960   | 0.37% | 0.222% |
| 187 | 13.836 | 13.808 | 13.844 | VV | 39     | 651   | 0.25% | 0.150% |
| 188 | 13.855 | 13.844 | 13.879 | VV | 42     | 655   | 0.25% | 0.151% |
| 189 | 13.934 | 13.879 | 13.946 | VV | 53     | 1553  | 0.59% | 0.358% |
| 190 | 13.988 | 13.946 | 14.014 | VV | 71     | 2430  | 0.93% | 0.561% |
| 191 | 14.124 | 14.014 | 14.301 | VV | 193    | 17733 | 6.77% | 4.094% |
| 192 | 14.320 | 14.301 | 14.332 | VV | 23     | 338   | 0.13% | 0.078% |
| 193 | 14.357 | 14.332 | 14.366 | VV | 26     | 434   | 0.17% | 0.100% |
| 194 | 14.382 | 14.366 | 14.401 | VV | 25     | 416   | 0.16% | 0.096% |

|     |        |        |        |    |        |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
|     |        |        |        |    | rteres |      |       |        |
| 195 | 14.425 | 14.401 | 14.467 | VV | 40     | 951  | 0.36% | 0.220% |
| 196 | 14.476 | 14.467 | 14.504 | VV | 29     | 477  | 0.18% | 0.110% |
| 197 | 14.520 | 14.504 | 14.565 | VV | 26     | 728  | 0.28% | 0.168% |
| 198 | 14.590 | 14.565 | 14.607 | VV | 35     | 619  | 0.24% | 0.143% |
| 199 | 14.618 | 14.607 | 14.635 | VV | 33     | 304  | 0.12% | 0.070% |
| 200 | 14.646 | 14.635 | 14.678 | PV | 21     | 373  | 0.14% | 0.086% |
| 201 | 14.693 | 14.678 | 14.705 | VV | 27     | 229  | 0.09% | 0.053% |
| 202 | 14.755 | 14.705 | 14.804 | VV | 26     | 770  | 0.29% | 0.178% |
| 203 | 14.821 | 14.804 | 14.841 | VV | 18     | 238  | 0.09% | 0.055% |
| 204 | 14.872 | 14.841 | 14.884 | PV | 17     | 315  | 0.12% | 0.073% |
| 205 | 14.899 | 14.884 | 14.911 | VV | 20     | 243  | 0.09% | 0.056% |
| 206 | 14.928 | 14.911 | 14.957 | VV | 23     | 430  | 0.16% | 0.099% |
| 207 | 14.997 | 14.957 | 15.008 | VV | 27     | 595  | 0.23% | 0.137% |
| 208 | 15.062 | 15.008 | 15.166 | VV | 82     | 4002 | 1.53% | 0.924% |
| 209 | 15.176 | 15.166 | 15.188 | VV | 20     | 224  | 0.09% | 0.052% |
| 210 | 15.208 | 15.188 | 15.230 | VV | 28     | 513  | 0.20% | 0.118% |
| 211 | 15.247 | 15.230 | 15.264 | VV | 20     | 265  | 0.10% | 0.061% |
| 212 | 15.280 | 15.264 | 15.312 | VV | 35     | 500  | 0.19% | 0.115% |
| 213 | 15.342 | 15.312 | 15.353 | PV | 28     | 381  | 0.15% | 0.088% |
| 214 | 15.388 | 15.353 | 15.445 | VV | 53     | 1877 | 0.72% | 0.433% |
| 215 | 15.458 | 15.445 | 15.475 | VV | 36     | 509  | 0.19% | 0.118% |
| 216 | 15.512 | 15.475 | 15.531 | VV | 45     | 978  | 0.37% | 0.226% |
| 217 | 15.537 | 15.531 | 15.559 | VV | 37     | 419  | 0.16% | 0.097% |
| 218 | 15.576 | 15.559 | 15.584 | VV | 23     | 238  | 0.09% | 0.055% |
| 219 | 15.597 | 15.584 | 15.607 | VV | 29     | 310  | 0.12% | 0.072% |
| 220 | 15.660 | 15.607 | 15.669 | VV | 28     | 791  | 0.30% | 0.183% |
| 221 | 15.698 | 15.669 | 15.721 | VV | 28     | 640  | 0.24% | 0.148% |
| 222 | 15.787 | 15.721 | 15.799 | VV | 43     | 1421 | 0.54% | 0.328% |
| 223 | 15.819 | 15.799 | 15.857 | VV | 43     | 1189 | 0.45% | 0.274% |
| 224 | 15.874 | 15.857 | 15.882 | VV | 33     | 384  | 0.15% | 0.089% |
| 225 | 15.899 | 15.882 | 15.909 | VV | 35     | 483  | 0.18% | 0.112% |
| 226 | 15.921 | 15.909 | 15.932 | VV | 35     | 419  | 0.16% | 0.097% |
| 227 | 15.953 | 15.932 | 16.007 | VV | 37     | 1142 | 0.44% | 0.264% |
| 228 | 16.020 | 16.007 | 16.045 | VV | 28     | 348  | 0.13% | 0.080% |
| 229 | 16.054 | 16.045 | 16.087 | VV | 20     | 302  | 0.12% | 0.070% |
| 230 | 16.101 | 16.087 | 16.121 | VV | 20     | 257  | 0.10% | 0.059% |
| 231 | 16.207 | 16.121 | 16.261 | VV | 63     | 3141 | 1.20% | 0.725% |
| 232 | 16.274 | 16.261 | 16.291 | VV | 36     | 482  | 0.18% | 0.111% |
| 233 | 16.297 | 16.291 | 16.304 | VV | 21     | 132  | 0.05% | 0.030% |
| 234 | 16.315 | 16.304 | 16.332 | VV | 25     | 308  | 0.12% | 0.071% |
| 235 | 16.343 | 16.332 | 16.360 | VV | 19     | 197  | 0.08% | 0.046% |
| 236 | 16.399 | 16.360 | 16.409 | VV | 38     | 682  | 0.26% | 0.157% |
| 237 | 16.413 | 16.409 | 16.422 | VV | 23     | 138  | 0.05% | 0.032% |
| 238 | 16.444 | 16.422 | 16.456 | VV | 37     | 488  | 0.19% | 0.113% |
| 239 | 16.499 | 16.456 | 16.511 | VV | 37     | 722  | 0.28% | 0.167% |
| 240 | 16.523 | 16.511 | 16.531 | VV | 20     | 113  | 0.04% | 0.026% |
| 241 | 16.540 | 16.531 | 16.550 | PV | 25     | 132  | 0.05% | 0.030% |
| 242 | 16.604 | 16.550 | 16.690 | VV | 39     | 1853 | 0.71% | 0.428% |
| 243 | 16.698 | 16.690 | 16.732 | VV | 14     | 221  | 0.08% | 0.051% |
| 244 | 16.782 | 16.732 | 16.798 | PV | 10     | 286  | 0.11% | 0.066% |
| 245 | 16.837 | 16.798 | 16.845 | PV | 10     | 112  | 0.04% | 0.026% |

Sum of corrected areas: 433114  
Page 5

rteres

FB062325.M Fri Jul 11 02:41:04 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-102                     | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-06                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 95.6                    |
| Sample Wt/Vol:     | 4.87                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Final Vol:         | 5                       |
| GPC Factor :       |                            | Test:              | Gasoline Range Organics |
| Prep Method :      |                            | Injection Volume : |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032094.D        | 50        | 07/11/25 13:40 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 444   | U         | 444      | 2420       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 21.1  |           | 50 - 150 | 105%       | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032094.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 13:40  
Operator : YP/AJ  
Sample : Q2529-06 50X  
Misc : 4.87G/5.00 ML DI WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-102

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.799 | 324877   | 21.058 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

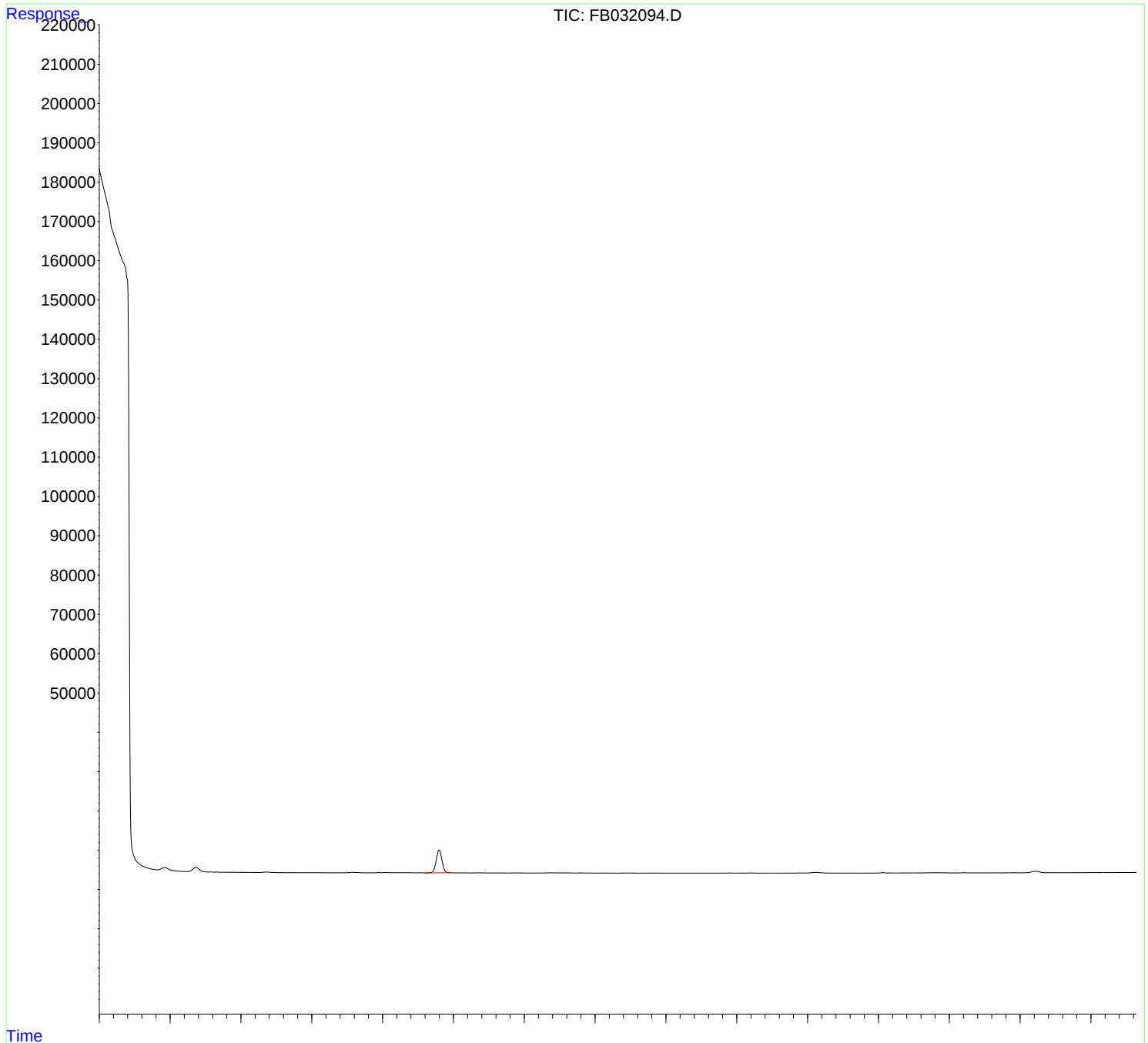
(m)=manual int.

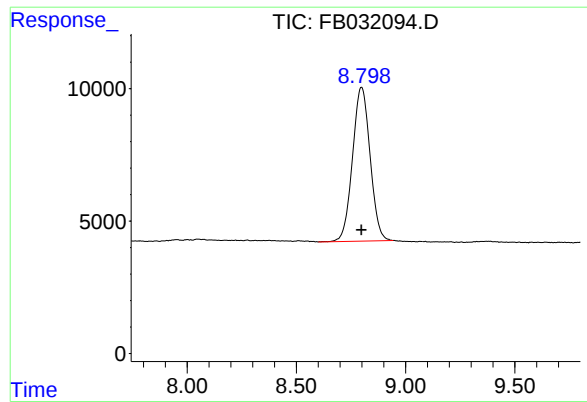
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032094.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 13:40  
Operator : YP/AJ  
Sample : Q2529-06 50X  
Misc : 4.87G/5.00 ML DI WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-102

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.799 min  
Delta R.T.: 0.000 min  
Response: 324877  
Conc: 21.06 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-102

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032094.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 13:40  
Sample : Q2529-06 50X  
Misc : 4.87G/5.00 ML DI WATER  
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 5.217       | 5.209        | 5.236      | PV       | 11             | 88           | 0.03%          | 0.017%        |
| 2         | 5.542       | 5.532        | 5.575      | PV       | 12             | 168          | 0.05%          | 0.033%        |
| 3         | 5.581       | 5.575        | 5.610      | VV       | 20             | 312          | 0.09%          | 0.060%        |
| 4         | 5.619       | 5.610        | 5.638      | PV       | 17             | 127          | 0.04%          | 0.025%        |
| 5         | 5.647       | 5.638        | 5.700      | PV       | 14             | 300          | 0.09%          | 0.058%        |
| 6         | 5.721       | 5.700        | 5.729      | PV       | 24             | 206          | 0.06%          | 0.040%        |
| 7         | 5.734       | 5.729        | 5.745      | VV       | 21             | 89           | 0.03%          | 0.017%        |
| 8         | 5.755       | 5.745        | 5.772      | PV       | 13             | 132          | 0.04%          | 0.026%        |
| 9         | 5.786       | 5.772        | 5.810      | VV       | 15             | 237          | 0.07%          | 0.046%        |
| 10        | 5.818       | 5.810        | 5.840      | VV       | 11             | 143          | 0.04%          | 0.028%        |
| 11        | 5.850       | 5.840        | 5.881      | VV       | 21             | 275          | 0.08%          | 0.053%        |
| 12        | 5.891       | 5.881        | 5.929      | VV       | 21             | 325          | 0.10%          | 0.063%        |
| 13        | 5.937       | 5.929        | 5.947      | VV       | 15             | 120          | 0.04%          | 0.023%        |
| 14        | 5.961       | 5.947        | 5.985      | VV       | 18             | 231          | 0.07%          | 0.045%        |
| 15        | 5.991       | 5.985        | 5.998      | PV       | 11             | 61           | 0.02%          | 0.012%        |
| 16        | 6.025       | 5.998        | 6.035      | VV       | 23             | 297          | 0.09%          | 0.058%        |
| 17        | 6.044       | 6.035        | 6.069      | PV       | 11             | 188          | 0.06%          | 0.037%        |
| 18        | 6.079       | 6.069        | 6.097      | VV       | 20             | 216          | 0.06%          | 0.042%        |
| 19        | 6.160       | 6.097        | 6.225      | PV       | 34             | 1240         | 0.37%          | 0.240%        |
| 20        | 6.237       | 6.225        | 6.275      | VV       | 24             | 502          | 0.15%          | 0.097%        |
| 21        | 6.289       | 6.275        | 6.297      | VV       | 57             | 492          | 0.15%          | 0.095%        |
| 22        | 6.348       | 6.297        | 6.373      | VV       | 119            | 4178         | 1.25%          | 0.810%        |
| 23        | 6.386       | 6.373        | 6.477      | VV       | 138            | 4683         | 1.40%          | 0.908%        |
| 24        | 6.491       | 6.477        | 6.554      | VV       | 29             | 649          | 0.19%          | 0.126%        |
| 25        | 6.564       | 6.554        | 6.575      | VV       | 14             | 132          | 0.04%          | 0.026%        |
| 26        | 6.613       | 6.575        | 6.636      | VV       | 30             | 651          | 0.19%          | 0.126%        |
| 27        | 6.652       | 6.636        | 6.664      | PV       | 26             | 215          | 0.06%          | 0.042%        |
| 28        | 6.669       | 6.664        | 6.679      | VV       | 20             | 104          | 0.03%          | 0.020%        |
| 29        | 6.711       | 6.679        | 6.722      | VV       | 29             | 361          | 0.11%          | 0.070%        |
| 30        | 6.734       | 6.722        | 6.749      | VV       | 20             | 262          | 0.08%          | 0.051%        |
| 31        | 6.758       | 6.749        | 6.768      | VV       | 24             | 232          | 0.07%          | 0.045%        |
| 32        | 6.777       | 6.768        | 6.797      | VV       | 31             | 358          | 0.11%          | 0.069%        |
| 33        | 6.802       | 6.797        | 6.817      | VV       | 23             | 126          | 0.04%          | 0.024%        |
| 34        | 6.826       | 6.817        | 6.847      | VV       | 22             | 224          | 0.07%          | 0.043%        |
| 35        | 6.854       | 6.847        | 6.866      | VV       | 18             | 155          | 0.05%          | 0.030%        |
| 36        | 6.876       | 6.866        | 6.914      | VV       | 17             | 387          | 0.12%          | 0.075%        |

|    |       |       |       |    |       |        |         |         |  |
|----|-------|-------|-------|----|-------|--------|---------|---------|--|
|    |       |       |       |    | rters |        |         |         |  |
| 37 | 6.956 | 6.914 | 6.975 | VV | 35    | 641    | 0.19%   | 0.124%  |  |
| 38 | 7.005 | 6.975 | 7.015 | VV | 22    | 307    | 0.09%   | 0.060%  |  |
| 39 | 7.023 | 7.015 | 7.046 | VV | 21    | 287    | 0.09%   | 0.056%  |  |
| 40 | 7.078 | 7.046 | 7.088 | VV | 33    | 551    | 0.16%   | 0.107%  |  |
| 41 | 7.096 | 7.088 | 7.110 | VV | 26    | 257    | 0.08%   | 0.050%  |  |
| 42 | 7.120 | 7.110 | 7.161 | VV | 22    | 459    | 0.14%   | 0.089%  |  |
| 43 | 7.172 | 7.161 | 7.228 | VB | 12    | 301    | 0.09%   | 0.058%  |  |
| 44 | 7.259 | 7.231 | 7.268 | BV | 12    | 102    | 0.03%   | 0.020%  |  |
| 45 | 7.293 | 7.268 | 7.332 | PB | 16    | 345    | 0.10%   | 0.067%  |  |
| 46 | 7.382 | 7.351 | 7.400 | BV | 15    | 267    | 0.08%   | 0.052%  |  |
| 47 | 7.428 | 7.400 | 7.448 | PV | 28    | 411    | 0.12%   | 0.080%  |  |
| 48 | 7.457 | 7.448 | 7.469 | VV | 21    | 172    | 0.05%   | 0.033%  |  |
| 49 | 7.577 | 7.469 | 7.657 | VV | 133   | 8331   | 2.49%   | 1.615%  |  |
| 50 | 7.666 | 7.657 | 7.732 | VB | 53    | 1118   | 0.33%   | 0.217%  |  |
| 51 | 7.763 | 7.738 | 7.771 | BV | 11    | 113    | 0.03%   | 0.022%  |  |
| 52 | 7.786 | 7.771 | 7.818 | VV | 19    | 221    | 0.07%   | 0.043%  |  |
| 53 | 7.828 | 7.818 | 7.843 | PV | 12    | 129    | 0.04%   | 0.025%  |  |
| 54 | 7.860 | 7.843 | 7.875 | VV | 24    | 285    | 0.09%   | 0.055%  |  |
| 55 | 7.953 | 7.875 | 7.980 | VV | 74    | 2885   | 0.86%   | 0.559%  |  |
| 56 | 8.002 | 7.980 | 8.012 | VV | 77    | 1243   | 0.37%   | 0.241%  |  |
| 57 | 8.017 | 8.012 | 8.026 | VV | 73    | 568    | 0.17%   | 0.110%  |  |
| 58 | 8.045 | 8.026 | 8.066 | VV | 95    | 1999   | 0.60%   | 0.388%  |  |
| 59 | 8.077 | 8.066 | 8.094 | VV | 88    | 1278   | 0.38%   | 0.248%  |  |
| 60 | 8.105 | 8.094 | 8.157 | VV | 68    | 2259   | 0.67%   | 0.438%  |  |
| 61 | 8.175 | 8.157 | 8.197 | VV | 58    | 1253   | 0.37%   | 0.243%  |  |
| 62 | 8.223 | 8.197 | 8.261 | VV | 66    | 1968   | 0.59%   | 0.382%  |  |
| 63 | 8.277 | 8.261 | 8.292 | VV | 70    | 1010   | 0.30%   | 0.196%  |  |
| 64 | 8.313 | 8.292 | 8.323 | VV | 57    | 895    | 0.27%   | 0.174%  |  |
| 65 | 8.377 | 8.323 | 8.428 | VV | 60    | 2979   | 0.89%   | 0.578%  |  |
| 66 | 8.437 | 8.428 | 8.484 | VV | 44    | 1210   | 0.36%   | 0.235%  |  |
| 67 | 8.511 | 8.484 | 8.601 | VV | 51    | 2072   | 0.62%   | 0.402%  |  |
| 68 | 8.629 | 8.601 | 8.643 | VV | 20    | 384    | 0.11%   | 0.074%  |  |
| 69 | 8.798 | 8.643 | 9.055 | VV | 5850  | 334739 | 100.00% | 64.895% |  |
| 70 | 9.066 | 9.055 | 9.116 | VV | 40    | 1098   | 0.33%   | 0.213%  |  |
| 71 | 9.142 | 9.116 | 9.168 | VV | 27    | 700    | 0.21%   | 0.136%  |  |
| 72 | 9.208 | 9.168 | 9.225 | VV | 29    | 723    | 0.22%   | 0.140%  |  |
| 73 | 9.257 | 9.225 | 9.272 | VV | 26    | 361    | 0.11%   | 0.070%  |  |
| 74 | 9.281 | 9.272 | 9.286 | VV | 17    | 91     | 0.03%   | 0.018%  |  |
| 75 | 9.381 | 9.286 | 9.430 | VV | 53    | 3153   | 0.94%   | 0.611%  |  |
| 76 | 9.439 | 9.430 | 9.458 | VV | 32    | 377    | 0.11%   | 0.073%  |  |
| 77 | 9.463 | 9.458 | 9.472 | VV | 23    | 156    | 0.05%   | 0.030%  |  |
| 78 | 9.497 | 9.472 | 9.508 | VV | 22    | 408    | 0.12%   | 0.079%  |  |
| 79 | 9.521 | 9.508 | 9.539 | VV | 27    | 291    | 0.09%   | 0.056%  |  |
| 80 | 9.549 | 9.539 | 9.563 | VV | 19    | 163    | 0.05%   | 0.032%  |  |
| 81 | 9.578 | 9.563 | 9.589 | PV | 24    | 253    | 0.08%   | 0.049%  |  |
| 82 | 9.608 | 9.589 | 9.623 | VV | 22    | 310    | 0.09%   | 0.060%  |  |
| 83 | 9.640 | 9.623 | 9.689 | VV | 28    | 604    | 0.18%   | 0.117%  |  |
| 84 | 9.702 | 9.689 | 9.723 | VV | 25    | 385    | 0.11%   | 0.075%  |  |
| 85 | 9.730 | 9.723 | 9.769 | VV | 26    | 385    | 0.11%   | 0.075%  |  |
| 86 | 9.801 | 9.769 | 9.815 | PV | 27    | 475    | 0.14%   | 0.092%  |  |
| 87 | 9.832 | 9.815 | 9.839 | VV | 30    | 354    | 0.11%   | 0.069%  |  |
| 88 | 9.853 | 9.839 | 9.896 | VV | 39    | 969    | 0.29%   | 0.188%  |  |
| 89 | 9.930 | 9.896 | 9.979 | VV | 30    | 1098   | 0.33%   | 0.213%  |  |

|     |        |        |        |    |        |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
|     |        |        |        |    | rteres |      |       |        |
| 90  | 9.990  | 9.979  | 10.005 | VV | 15     | 204  | 0.06% | 0.040% |
| 91  | 10.039 | 10.005 | 10.062 | VV | 17     | 366  | 0.11% | 0.071% |
| 92  | 10.069 | 10.062 | 10.117 | VV | 20     | 316  | 0.09% | 0.061% |
| 93  | 10.133 | 10.117 | 10.147 | VV | 17     | 222  | 0.07% | 0.043% |
| 94  | 10.171 | 10.147 | 10.204 | VV | 16     | 457  | 0.14% | 0.089% |
| 95  | 10.223 | 10.204 | 10.233 | VV | 24     | 345  | 0.10% | 0.067% |
| 96  | 10.248 | 10.233 | 10.258 | VV | 28     | 335  | 0.10% | 0.065% |
| 97  | 10.367 | 10.258 | 10.378 | VV | 83     | 3353 | 1.00% | 0.650% |
| 98  | 10.391 | 10.378 | 10.402 | VV | 75     | 961  | 0.29% | 0.186% |
| 99  | 10.404 | 10.402 | 10.447 | VV | 74     | 1668 | 0.50% | 0.323% |
| 100 | 10.455 | 10.447 | 10.475 | VV | 59     | 857  | 0.26% | 0.166% |
| 101 | 10.511 | 10.475 | 10.527 | VV | 55     | 1450 | 0.43% | 0.281% |
| 102 | 10.538 | 10.527 | 10.574 | VV | 63     | 1430 | 0.43% | 0.277% |
| 103 | 10.610 | 10.574 | 10.636 | VV | 62     | 1995 | 0.60% | 0.387% |
| 104 | 10.641 | 10.636 | 10.653 | VV | 59     | 501  | 0.15% | 0.097% |
| 105 | 10.659 | 10.653 | 10.705 | VV | 38     | 859  | 0.26% | 0.167% |
| 106 | 10.715 | 10.705 | 10.727 | VV | 20     | 195  | 0.06% | 0.038% |
| 107 | 10.763 | 10.727 | 10.773 | VV | 32     | 618  | 0.18% | 0.120% |
| 108 | 10.795 | 10.773 | 10.907 | VV | 35     | 2104 | 0.63% | 0.408% |
| 109 | 10.927 | 10.907 | 10.953 | VV | 36     | 571  | 0.17% | 0.111% |
| 110 | 10.972 | 10.953 | 10.981 | VV | 32     | 373  | 0.11% | 0.072% |
| 111 | 10.992 | 10.981 | 11.004 | VV | 29     | 326  | 0.10% | 0.063% |
| 112 | 11.020 | 11.004 | 11.050 | VV | 27     | 558  | 0.17% | 0.108% |
| 113 | 11.060 | 11.050 | 11.078 | VV | 24     | 219  | 0.07% | 0.042% |
| 114 | 11.091 | 11.078 | 11.101 | VV | 21     | 196  | 0.06% | 0.038% |
| 115 | 11.129 | 11.101 | 11.135 | VV | 21     | 359  | 0.11% | 0.070% |
| 116 | 11.144 | 11.135 | 11.155 | VV | 30     | 238  | 0.07% | 0.046% |
| 117 | 11.163 | 11.155 | 11.171 | VV | 22     | 155  | 0.05% | 0.030% |
| 118 | 11.185 | 11.171 | 11.211 | VV | 23     | 273  | 0.08% | 0.053% |
| 119 | 11.231 | 11.211 | 11.239 | PV | 13     | 136  | 0.04% | 0.026% |
| 120 | 11.258 | 11.239 | 11.281 | VV | 24     | 324  | 0.10% | 0.063% |
| 121 | 11.290 | 11.281 | 11.317 | VV | 29     | 266  | 0.08% | 0.052% |
| 122 | 11.326 | 11.317 | 11.335 | VV | 27     | 150  | 0.04% | 0.029% |
| 123 | 11.380 | 11.335 | 11.387 | VV | 18     | 371  | 0.11% | 0.072% |
| 124 | 11.417 | 11.387 | 11.440 | VV | 32     | 774  | 0.23% | 0.150% |
| 125 | 11.472 | 11.440 | 11.490 | VV | 45     | 985  | 0.29% | 0.191% |
| 126 | 11.518 | 11.490 | 11.538 | VV | 33     | 678  | 0.20% | 0.132% |
| 127 | 11.542 | 11.538 | 11.565 | VV | 20     | 279  | 0.08% | 0.054% |
| 128 | 11.575 | 11.565 | 11.599 | VV | 28     | 304  | 0.09% | 0.059% |
| 129 | 11.607 | 11.599 | 11.621 | VV | 16     | 154  | 0.05% | 0.030% |
| 130 | 11.628 | 11.621 | 11.637 | VV | 19     | 104  | 0.03% | 0.020% |
| 131 | 11.649 | 11.637 | 11.667 | VV | 25     | 294  | 0.09% | 0.057% |
| 132 | 11.682 | 11.667 | 11.698 | VV | 22     | 240  | 0.07% | 0.046% |
| 133 | 11.741 | 11.698 | 11.754 | VV | 28     | 468  | 0.14% | 0.091% |
| 134 | 11.763 | 11.754 | 11.779 | VV | 23     | 296  | 0.09% | 0.057% |
| 135 | 11.795 | 11.779 | 11.816 | VV | 30     | 431  | 0.13% | 0.083% |
| 136 | 11.830 | 11.816 | 11.842 | VV | 26     | 314  | 0.09% | 0.061% |
| 137 | 11.852 | 11.842 | 11.859 | VV | 30     | 248  | 0.07% | 0.048% |
| 138 | 11.868 | 11.859 | 11.926 | VV | 45     | 1016 | 0.30% | 0.197% |
| 139 | 11.940 | 11.926 | 11.952 | VV | 22     | 210  | 0.06% | 0.041% |
| 140 | 11.972 | 11.952 | 12.009 | VV | 18     | 370  | 0.11% | 0.072% |
| 141 | 12.043 | 12.009 | 12.072 | PV | 22     | 455  | 0.14% | 0.088% |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 142 | 12.084 | 12.072 | 12.120 | VV | 33     | 526   | 0.16% | 0.102% |
| 143 | 12.132 | 12.120 | 12.141 | VV | 15     | 160   | 0.05% | 0.031% |
| 144 | 12.150 | 12.141 | 12.166 | VV | 18     | 208   | 0.06% | 0.040% |
| 145 | 12.173 | 12.166 | 12.190 | VV | 19     | 235   | 0.07% | 0.046% |
| 146 | 12.199 | 12.190 | 12.216 | VV | 21     | 196   | 0.06% | 0.038% |
| 147 | 12.252 | 12.216 | 12.277 | VV | 17     | 434   | 0.13% | 0.084% |
| 148 | 12.312 | 12.277 | 12.330 | VV | 24     | 571   | 0.17% | 0.111% |
| 149 | 12.339 | 12.330 | 12.349 | VV | 29     | 221   | 0.07% | 0.043% |
| 150 | 12.369 | 12.349 | 12.400 | VV | 21     | 520   | 0.16% | 0.101% |
| 151 | 12.418 | 12.400 | 12.428 | VV | 15     | 135   | 0.04% | 0.026% |
| 152 | 12.437 | 12.428 | 12.494 | PV | 14     | 289   | 0.09% | 0.056% |
| 153 | 12.521 | 12.494 | 12.548 | VV | 19     | 294   | 0.09% | 0.057% |
| 154 | 12.560 | 12.548 | 12.570 | PV | 16     | 140   | 0.04% | 0.027% |
| 155 | 12.582 | 12.570 | 12.593 | VV | 16     | 171   | 0.05% | 0.033% |
| 156 | 12.609 | 12.593 | 12.638 | VV | 28     | 356   | 0.11% | 0.069% |
| 157 | 12.670 | 12.638 | 12.690 | VV | 26     | 492   | 0.15% | 0.095% |
| 158 | 12.697 | 12.690 | 12.711 | VV | 27     | 223   | 0.07% | 0.043% |
| 159 | 12.742 | 12.711 | 12.753 | VV | 23     | 397   | 0.12% | 0.077% |
| 160 | 12.770 | 12.753 | 12.801 | VV | 31     | 669   | 0.20% | 0.130% |
| 161 | 12.808 | 12.801 | 12.819 | VV | 28     | 243   | 0.07% | 0.047% |
| 162 | 12.830 | 12.819 | 12.838 | VV | 24     | 232   | 0.07% | 0.045% |
| 163 | 12.919 | 12.838 | 12.957 | VV | 45     | 2162  | 0.65% | 0.419% |
| 164 | 12.965 | 12.957 | 12.997 | VV | 28     | 481   | 0.14% | 0.093% |
| 165 | 13.007 | 12.997 | 13.024 | VV | 25     | 281   | 0.08% | 0.055% |
| 166 | 13.059 | 13.024 | 13.088 | VV | 33     | 934   | 0.28% | 0.181% |
| 167 | 13.094 | 13.088 | 13.105 | VV | 36     | 274   | 0.08% | 0.053% |
| 168 | 13.112 | 13.105 | 13.128 | VV | 22     | 248   | 0.07% | 0.048% |
| 169 | 13.207 | 13.128 | 13.231 | VV | 59     | 2188  | 0.65% | 0.424% |
| 170 | 13.243 | 13.231 | 13.285 | VV | 24     | 426   | 0.13% | 0.083% |
| 171 | 13.310 | 13.285 | 13.321 | VV | 18     | 233   | 0.07% | 0.045% |
| 172 | 13.331 | 13.321 | 13.372 | VV | 13     | 264   | 0.08% | 0.051% |
| 173 | 13.397 | 13.372 | 13.426 | VV | 15     | 310   | 0.09% | 0.060% |
| 174 | 13.457 | 13.426 | 13.470 | VV | 17     | 302   | 0.09% | 0.059% |
| 175 | 13.498 | 13.470 | 13.514 | VV | 28     | 420   | 0.13% | 0.081% |
| 176 | 13.538 | 13.514 | 13.555 | VV | 23     | 354   | 0.11% | 0.069% |
| 177 | 13.565 | 13.555 | 13.586 | VV | 25     | 346   | 0.10% | 0.067% |
| 178 | 13.607 | 13.586 | 13.633 | VV | 34     | 429   | 0.13% | 0.083% |
| 179 | 13.648 | 13.633 | 13.654 | PV | 14     | 103   | 0.03% | 0.020% |
| 180 | 13.666 | 13.654 | 13.676 | VV | 20     | 189   | 0.06% | 0.037% |
| 181 | 13.689 | 13.676 | 13.701 | VV | 18     | 219   | 0.07% | 0.042% |
| 182 | 13.708 | 13.701 | 13.727 | VV | 18     | 173   | 0.05% | 0.034% |
| 183 | 13.747 | 13.727 | 13.795 | VV | 31     | 913   | 0.27% | 0.177% |
| 184 | 13.833 | 13.795 | 13.850 | VV | 30     | 706   | 0.21% | 0.137% |
| 185 | 13.882 | 13.850 | 13.907 | VV | 48     | 1227  | 0.37% | 0.238% |
| 186 | 13.921 | 13.907 | 13.944 | VV | 57     | 937   | 0.28% | 0.182% |
| 187 | 13.974 | 13.944 | 14.003 | VV | 46     | 1304  | 0.39% | 0.253% |
| 188 | 14.099 | 14.003 | 14.115 | VV | 191    | 7666  | 2.29% | 1.486% |
| 189 | 14.133 | 14.115 | 14.284 | VV | 201    | 10602 | 3.17% | 2.055% |
| 190 | 14.308 | 14.284 | 14.318 | VV | 24     | 375   | 0.11% | 0.073% |
| 191 | 14.340 | 14.318 | 14.356 | VV | 22     | 403   | 0.12% | 0.078% |
| 192 | 14.371 | 14.356 | 14.391 | VV | 47     | 552   | 0.16% | 0.107% |
| 193 | 14.418 | 14.391 | 14.437 | VV | 28     | 596   | 0.18% | 0.116% |
| 194 | 14.462 | 14.437 | 14.485 | VV | 37     | 590   | 0.18% | 0.114% |

|     |        |        |        |    |        |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
|     |        |        |        |    | rteres |      |       |        |
| 195 | 14.507 | 14.485 | 14.517 | VV | 20     | 191  | 0.06% | 0.037% |
| 196 | 14.534 | 14.517 | 14.569 | VV | 26     | 359  | 0.11% | 0.070% |
| 197 | 14.602 | 14.569 | 14.613 | PV | 26     | 366  | 0.11% | 0.071% |
| 198 | 14.633 | 14.613 | 14.666 | VV | 28     | 517  | 0.15% | 0.100% |
| 199 | 14.692 | 14.666 | 14.702 | VV | 22     | 307  | 0.09% | 0.059% |
| 200 | 14.735 | 14.702 | 14.760 | VV | 25     | 352  | 0.11% | 0.068% |
| 201 | 14.773 | 14.760 | 14.791 | VV | 20     | 285  | 0.09% | 0.055% |
| 202 | 14.816 | 14.791 | 14.828 | VV | 22     | 315  | 0.09% | 0.061% |
| 203 | 14.864 | 14.828 | 14.879 | VV | 30     | 400  | 0.12% | 0.077% |
| 204 | 14.887 | 14.879 | 14.919 | PV | 20     | 210  | 0.06% | 0.041% |
| 205 | 14.953 | 14.919 | 14.963 | VV | 26     | 472  | 0.14% | 0.092% |
| 206 | 14.974 | 14.963 | 14.994 | VV | 37     | 391  | 0.12% | 0.076% |
| 207 | 15.061 | 14.994 | 15.140 | VV | 118    | 5614 | 1.68% | 1.088% |
| 208 | 15.152 | 15.140 | 15.172 | VV | 30     | 438  | 0.13% | 0.085% |
| 209 | 15.183 | 15.172 | 15.192 | VV | 31     | 247  | 0.07% | 0.048% |
| 210 | 15.204 | 15.192 | 15.228 | VV | 23     | 391  | 0.12% | 0.076% |
| 211 | 15.246 | 15.228 | 15.260 | VV | 35     | 389  | 0.12% | 0.075% |
| 212 | 15.268 | 15.260 | 15.296 | VV | 19     | 256  | 0.08% | 0.050% |
| 213 | 15.310 | 15.296 | 15.333 | VV | 31     | 352  | 0.11% | 0.068% |
| 214 | 15.344 | 15.333 | 15.353 | VV | 22     | 185  | 0.06% | 0.036% |
| 215 | 15.383 | 15.353 | 15.392 | VV | 42     | 626  | 0.19% | 0.121% |
| 216 | 15.420 | 15.392 | 15.432 | VV | 44     | 830  | 0.25% | 0.161% |
| 217 | 15.452 | 15.432 | 15.465 | VV | 48     | 676  | 0.20% | 0.131% |
| 218 | 15.494 | 15.465 | 15.507 | VV | 38     | 766  | 0.23% | 0.149% |
| 219 | 15.523 | 15.507 | 15.559 | VV | 46     | 831  | 0.25% | 0.161% |
| 220 | 15.629 | 15.559 | 15.640 | VV | 53     | 1511 | 0.45% | 0.293% |
| 221 | 15.667 | 15.640 | 15.676 | VV | 48     | 912  | 0.27% | 0.177% |
| 222 | 15.738 | 15.676 | 15.745 | VV | 71     | 2341 | 0.70% | 0.454% |
| 223 | 15.758 | 15.745 | 15.767 | VV | 83     | 985  | 0.29% | 0.191% |
| 224 | 15.778 | 15.767 | 15.788 | VV | 77     | 910  | 0.27% | 0.176% |
| 225 | 15.804 | 15.788 | 15.821 | VV | 82     | 1448 | 0.43% | 0.281% |
| 226 | 15.828 | 15.821 | 15.832 | VV | 81     | 523  | 0.16% | 0.101% |
| 227 | 15.839 | 15.832 | 15.855 | VV | 81     | 1083 | 0.32% | 0.210% |
| 228 | 15.878 | 15.855 | 15.901 | VV | 79     | 1922 | 0.57% | 0.373% |
| 229 | 15.909 | 15.901 | 15.941 | VV | 68     | 1321 | 0.39% | 0.256% |
| 230 | 15.960 | 15.941 | 15.986 | VV | 61     | 1308 | 0.39% | 0.254% |
| 231 | 15.992 | 15.986 | 16.007 | VV | 36     | 363  | 0.11% | 0.070% |
| 232 | 16.016 | 16.007 | 16.030 | VV | 42     | 378  | 0.11% | 0.073% |
| 233 | 16.048 | 16.030 | 16.107 | VV | 21     | 555  | 0.17% | 0.108% |
| 234 | 16.155 | 16.107 | 16.163 | VV | 40     | 772  | 0.23% | 0.150% |
| 235 | 16.205 | 16.163 | 16.307 | VV | 67     | 3619 | 1.08% | 0.702% |
| 236 | 16.317 | 16.307 | 16.336 | VV | 31     | 405  | 0.12% | 0.079% |
| 237 | 16.342 | 16.336 | 16.347 | VV | 28     | 166  | 0.05% | 0.032% |
| 238 | 16.357 | 16.347 | 16.389 | VV | 31     | 567  | 0.17% | 0.110% |
| 239 | 16.399 | 16.389 | 16.419 | VV | 21     | 303  | 0.09% | 0.059% |
| 240 | 16.442 | 16.419 | 16.460 | VV | 29     | 513  | 0.15% | 0.099% |
| 241 | 16.475 | 16.460 | 16.494 | VV | 27     | 371  | 0.11% | 0.072% |
| 242 | 16.504 | 16.494 | 16.516 | VV | 23     | 234  | 0.07% | 0.045% |
| 243 | 16.537 | 16.516 | 16.545 | VV | 17     | 243  | 0.07% | 0.047% |
| 244 | 16.553 | 16.545 | 16.568 | VV | 15     | 162  | 0.05% | 0.031% |
| 245 | 16.605 | 16.568 | 16.659 | VV | 35     | 1104 | 0.33% | 0.214% |
| 246 | 16.668 | 16.659 | 16.678 | VV | 19     | 199  | 0.06% | 0.039% |

|     |        |        |        |    |        |     |       |        |  |
|-----|--------|--------|--------|----|--------|-----|-------|--------|--|
|     |        |        |        |    | rteres |     |       |        |  |
| 247 | 16.686 | 16.678 | 16.695 | VV | 27     | 204 | 0.06% | 0.040% |  |
| 248 | 16.701 | 16.695 | 16.710 | VV | 18     | 129 | 0.04% | 0.025% |  |
| 249 | 16.721 | 16.710 | 16.734 | VV | 22     | 209 | 0.06% | 0.041% |  |
| 250 | 16.752 | 16.734 | 16.769 | PV | 19     | 138 | 0.04% | 0.027% |  |

Sum of corrected areas: 515814

FB062325.M Sat Jul 12 00:55:39 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/07/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-101                     | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-07                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 89.7                    |
| Sample Wt/Vol:     | 4.72                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Final Vol:         | 5                       |
| GPC Factor :       |                            | Test:              | Gasoline Range Organics |
| Prep Method :      |                            | Injection Volume : |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032080.D        | 1         | 07/10/25 20:05 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 10.0  | U         | 10.0     | 53.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 17.6  |           | 50 - 150 | 88%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032080.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 20:05  
Operator : YP/AJ  
Sample : Q2529-07  
Misc : 4.72G/5.00 ML DI WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-101

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.801 | 271258   | 17.582 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

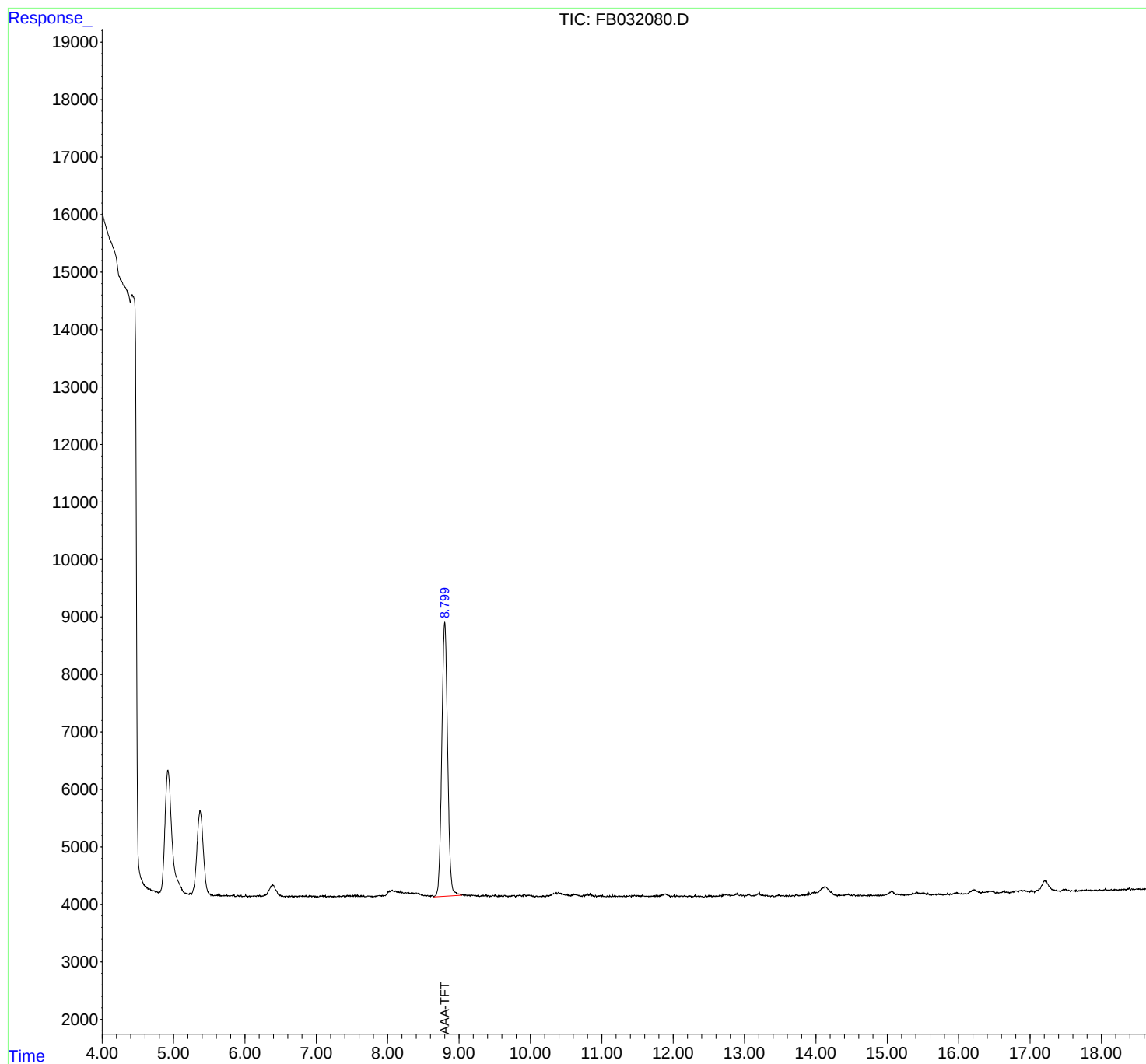
(m)=manual int.

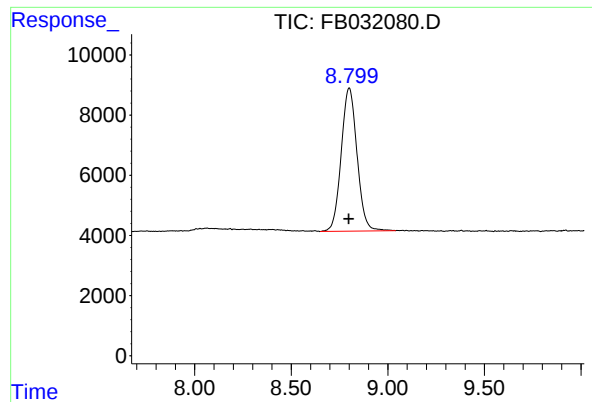
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032080.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 20:05  
Operator : YP/AJ  
Sample : Q2529-07  
Misc : 4.72G/5.00 ML DI WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-101

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.801 min  
Delta R.T.: 0.003 min  
Response: 271258  
Conc: 17.58 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-101

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032080.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 20:05  
 Sample : Q2529-07  
 Misc : 4.72G/5.00 ML DI WATER  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.725       | 4.713        | 4.754      | PV       | 14             | 117          | 0.04%          | 0.025%        |
| 2         | 4.763       | 4.754        | 4.799      | VV       | 15             | 88           | 0.03%          | 0.019%        |
| 3         | 5.168       | 5.160        | 5.179      | VV       | 22             | 196          | 0.07%          | 0.043%        |
| 4         | 5.190       | 5.179        | 5.225      | VV       | 17             | 241          | 0.09%          | 0.052%        |
| 5         | 5.231       | 5.225        | 5.251      | VV       | 28             | 232          | 0.08%          | 0.050%        |
| 6         | 5.575       | 5.561        | 5.595      | PV       | 8              | 102          | 0.04%          | 0.022%        |
| 7         | 5.625       | 5.595        | 5.678      | VV       | 28             | 526          | 0.19%          | 0.114%        |
| 8         | 5.713       | 5.678        | 5.733      | VV       | 15             | 287          | 0.10%          | 0.062%        |
| 9         | 5.743       | 5.733        | 5.759      | VV       | 22             | 200          | 0.07%          | 0.043%        |
| 10        | 5.764       | 5.759        | 5.796      | VV       | 13             | 198          | 0.07%          | 0.043%        |
| 11        | 5.823       | 5.796        | 5.832      | VV       | 19             | 269          | 0.10%          | 0.058%        |
| 12        | 5.848       | 5.832        | 5.882      | VV       | 28             | 290          | 0.10%          | 0.063%        |
| 13        | 5.898       | 5.882        | 5.908      | VV       | 25             | 270          | 0.10%          | 0.059%        |
| 14        | 5.913       | 5.908        | 5.921      | VV       | 16             | 94           | 0.03%          | 0.020%        |
| 15        | 5.946       | 5.921        | 5.958      | VV       | 22             | 276          | 0.10%          | 0.060%        |
| 16        | 5.974       | 5.958        | 5.988      | PV       | 7              | 85           | 0.03%          | 0.018%        |
| 17        | 6.011       | 5.988        | 6.054      | VV       | 33             | 442          | 0.16%          | 0.096%        |
| 18        | 6.060       | 6.054        | 6.083      | VV       | 16             | 160          | 0.06%          | 0.035%        |
| 19        | 6.138       | 6.083        | 6.161      | VV       | 17             | 572          | 0.21%          | 0.124%        |
| 20        | 6.206       | 6.161        | 6.241      | VV       | 30             | 744          | 0.27%          | 0.161%        |
| 21        | 6.388       | 6.241        | 6.572      | VV       | 211            | 15482        | 5.60%          | 3.359%        |
| 22        | 6.585       | 6.572        | 6.608      | VV       | 15             | 230          | 0.08%          | 0.050%        |
| 23        | 6.657       | 6.608        | 6.691      | PV       | 23             | 557          | 0.20%          | 0.121%        |
| 24        | 6.706       | 6.691        | 6.740      | PV       | 16             | 339          | 0.12%          | 0.074%        |
| 25        | 6.775       | 6.740        | 6.794      | VV       | 21             | 483          | 0.17%          | 0.105%        |
| 26        | 6.813       | 6.794        | 6.881      | VV       | 30             | 703          | 0.25%          | 0.153%        |
| 27        | 6.908       | 6.881        | 6.940      | VV       | 31             | 530          | 0.19%          | 0.115%        |
| 28        | 6.964       | 6.940        | 7.031      | VV       | 20             | 521          | 0.19%          | 0.113%        |
| 29        | 7.089       | 7.031        | 7.145      | VV       | 28             | 992          | 0.36%          | 0.215%        |
| 30        | 7.163       | 7.145        | 7.184      | PV       | 21             | 273          | 0.10%          | 0.059%        |
| 31        | 7.202       | 7.184        | 7.237      | VV       | 22             | 384          | 0.14%          | 0.083%        |
| 32        | 7.262       | 7.237        | 7.281      | VV       | 12             | 237          | 0.09%          | 0.051%        |
| 33        | 7.319       | 7.281        | 7.354      | VV       | 22             | 520          | 0.19%          | 0.113%        |
| 34        | 7.366       | 7.354        | 7.399      | VV       | 25             | 474          | 0.17%          | 0.103%        |
| 35        | 7.434       | 7.399        | 7.448      | VV       | 30             | 542          | 0.20%          | 0.118%        |
| 36        | 7.463       | 7.448        | 7.487      | VV       | 28             | 490          | 0.18%          | 0.106%        |

|    |        |        |        |    |        |        |         |         |  |
|----|--------|--------|--------|----|--------|--------|---------|---------|--|
|    |        |        |        |    | rteres |        |         |         |  |
| 37 | 7.549  | 7.487  | 7.629  | VV | 36     | 1764   | 0.64%   | 0.383%  |  |
| 38 | 7.636  | 7.629  | 7.701  | VV | 30     | 594    | 0.21%   | 0.129%  |  |
| 39 | 7.725  | 7.701  | 7.741  | VV | 23     | 367    | 0.13%   | 0.080%  |  |
| 40 | 7.752  | 7.741  | 7.826  | VV | 27     | 682    | 0.25%   | 0.148%  |  |
| 41 | 7.881  | 7.826  | 7.913  | VV | 28     | 1096   | 0.40%   | 0.238%  |  |
| 42 | 8.063  | 7.913  | 8.172  | VV | 120    | 11912  | 4.31%   | 2.584%  |  |
| 43 | 8.183  | 8.172  | 8.231  | VV | 104    | 2853   | 1.03%   | 0.619%  |  |
| 44 | 8.248  | 8.231  | 8.263  | VV | 80     | 1484   | 0.54%   | 0.322%  |  |
| 45 | 8.291  | 8.263  | 8.373  | VV | 87     | 4686   | 1.70%   | 1.017%  |  |
| 46 | 8.402  | 8.373  | 8.543  | VV | 72     | 4931   | 1.78%   | 1.070%  |  |
| 47 | 8.559  | 8.543  | 8.604  | VV | 32     | 824    | 0.30%   | 0.179%  |  |
| 48 | 8.622  | 8.604  | 8.651  | VV | 32     | 563    | 0.20%   | 0.122%  |  |
| 49 | 8.800  | 8.651  | 9.063  | VV | 4781   | 276374 | 100.00% | 59.959% |  |
| 50 | 9.076  | 9.063  | 9.166  | VV | 44     | 2076   | 0.75%   | 0.450%  |  |
| 51 | 9.178  | 9.166  | 9.251  | VV | 39     | 1507   | 0.55%   | 0.327%  |  |
| 52 | 9.275  | 9.251  | 9.292  | VV | 31     | 534    | 0.19%   | 0.116%  |  |
| 53 | 9.337  | 9.292  | 9.362  | VV | 39     | 1055   | 0.38%   | 0.229%  |  |
| 54 | 9.381  | 9.362  | 9.433  | VV | 45     | 1095   | 0.40%   | 0.237%  |  |
| 55 | 9.477  | 9.433  | 9.494  | VV | 32     | 776    | 0.28%   | 0.168%  |  |
| 56 | 9.510  | 9.494  | 9.547  | VV | 42     | 705    | 0.26%   | 0.153%  |  |
| 57 | 9.558  | 9.547  | 9.622  | VV | 26     | 849    | 0.31%   | 0.184%  |  |
| 58 | 9.639  | 9.622  | 9.692  | VV | 33     | 885    | 0.32%   | 0.192%  |  |
| 59 | 9.772  | 9.692  | 9.793  | VV | 29     | 1315   | 0.48%   | 0.285%  |  |
| 60 | 9.848  | 9.793  | 9.881  | VV | 32     | 1345   | 0.49%   | 0.292%  |  |
| 61 | 9.920  | 9.881  | 9.951  | VV | 51     | 1373   | 0.50%   | 0.298%  |  |
| 62 | 9.988  | 9.951  | 10.063 | VV | 37     | 1654   | 0.60%   | 0.359%  |  |
| 63 | 10.084 | 10.063 | 10.126 | VV | 18     | 530    | 0.19%   | 0.115%  |  |
| 64 | 10.183 | 10.126 | 10.195 | VV | 19     | 622    | 0.22%   | 0.135%  |  |
| 65 | 10.233 | 10.195 | 10.251 | VV | 35     | 702    | 0.25%   | 0.152%  |  |
| 66 | 10.363 | 10.251 | 10.376 | VV | 85     | 3652   | 1.32%   | 0.792%  |  |
| 67 | 10.395 | 10.376 | 10.499 | VV | 88     | 4353   | 1.58%   | 0.944%  |  |
| 68 | 10.525 | 10.499 | 10.562 | VV | 48     | 1344   | 0.49%   | 0.292%  |  |
| 69 | 10.605 | 10.562 | 10.724 | VV | 57     | 3433   | 1.24%   | 0.745%  |  |
| 70 | 10.744 | 10.724 | 10.757 | VV | 34     | 527    | 0.19%   | 0.114%  |  |
| 71 | 10.798 | 10.757 | 10.822 | VV | 63     | 1552   | 0.56%   | 0.337%  |  |
| 72 | 10.837 | 10.822 | 10.901 | VV | 68     | 1574   | 0.57%   | 0.342%  |  |
| 73 | 10.914 | 10.901 | 10.930 | VV | 29     | 352    | 0.13%   | 0.076%  |  |
| 74 | 11.011 | 10.930 | 11.028 | VV | 40     | 1247   | 0.45%   | 0.271%  |  |
| 75 | 11.043 | 11.028 | 11.064 | VV | 19     | 294    | 0.11%   | 0.064%  |  |
| 76 | 11.087 | 11.064 | 11.139 | VV | 26     | 688    | 0.25%   | 0.149%  |  |
| 77 | 11.149 | 11.139 | 11.170 | VV | 35     | 369    | 0.13%   | 0.080%  |  |
| 78 | 11.185 | 11.170 | 11.223 | VV | 27     | 602    | 0.22%   | 0.131%  |  |
| 79 | 11.241 | 11.223 | 11.298 | VV | 23     | 809    | 0.29%   | 0.175%  |  |
| 80 | 11.311 | 11.298 | 11.328 | VV | 22     | 303    | 0.11%   | 0.066%  |  |
| 81 | 11.390 | 11.328 | 11.415 | VV | 29     | 984    | 0.36%   | 0.213%  |  |
| 82 | 11.460 | 11.415 | 11.478 | VV | 37     | 960    | 0.35%   | 0.208%  |  |
| 83 | 11.503 | 11.478 | 11.548 | VV | 28     | 958    | 0.35%   | 0.208%  |  |
| 84 | 11.567 | 11.548 | 11.631 | VV | 37     | 972    | 0.35%   | 0.211%  |  |
| 85 | 11.648 | 11.631 | 11.681 | VV | 18     | 490    | 0.18%   | 0.106%  |  |
| 86 | 11.737 | 11.681 | 11.754 | VV | 31     | 862    | 0.31%   | 0.187%  |  |
| 87 | 11.774 | 11.754 | 11.793 | VV | 33     | 593    | 0.21%   | 0.129%  |  |
| 88 | 11.892 | 11.793 | 11.971 | VV | 59     | 3757   | 1.36%   | 0.815%  |  |
| 89 | 12.013 | 11.971 | 12.035 | VV | 38     | 723    | 0.26%   | 0.157%  |  |

|     |        |        |        |    |        |       |        |         |
|-----|--------|--------|--------|----|--------|-------|--------|---------|
|     |        |        |        |    | rteres |       |        |         |
| 90  | 12.049 | 12.035 | 12.094 | VV | 30     | 678   | 0.25%  | 0.147%  |
| 91  | 12.120 | 12.094 | 12.139 | VV | 24     | 529   | 0.19%  | 0.115%  |
| 92  | 12.159 | 12.139 | 12.205 | VV | 31     | 708   | 0.26%  | 0.154%  |
| 93  | 12.236 | 12.205 | 12.280 | VV | 26     | 720   | 0.26%  | 0.156%  |
| 94  | 12.308 | 12.280 | 12.347 | VV | 42     | 747   | 0.27%  | 0.162%  |
| 95  | 12.360 | 12.347 | 12.432 | VV | 30     | 770   | 0.28%  | 0.167%  |
| 96  | 12.454 | 12.432 | 12.484 | PV | 33     | 475   | 0.17%  | 0.103%  |
| 97  | 12.524 | 12.484 | 12.559 | VV | 29     | 843   | 0.31%  | 0.183%  |
| 98  | 12.574 | 12.559 | 12.615 | VV | 25     | 590   | 0.21%  | 0.128%  |
| 99  | 12.744 | 12.615 | 12.803 | VV | 43     | 3365  | 1.22%  | 0.730%  |
| 100 | 12.895 | 12.803 | 12.928 | VV | 65     | 2687  | 0.97%  | 0.583%  |
| 101 | 12.954 | 12.928 | 12.968 | VV | 51     | 760   | 0.28%  | 0.165%  |
| 102 | 12.982 | 12.968 | 13.015 | VV | 33     | 663   | 0.24%  | 0.144%  |
| 103 | 13.067 | 13.015 | 13.100 | VV | 48     | 1541  | 0.56%  | 0.334%  |
| 104 | 13.209 | 13.100 | 13.243 | VV | 69     | 3017  | 1.09%  | 0.655%  |
| 105 | 13.256 | 13.243 | 13.286 | VV | 33     | 678   | 0.25%  | 0.147%  |
| 106 | 13.309 | 13.286 | 13.336 | VV | 25     | 627   | 0.23%  | 0.136%  |
| 107 | 13.392 | 13.336 | 13.420 | VV | 18     | 624   | 0.23%  | 0.135%  |
| 108 | 13.484 | 13.420 | 13.529 | VV | 30     | 1205  | 0.44%  | 0.261%  |
| 109 | 13.543 | 13.529 | 13.615 | VV | 26     | 824   | 0.30%  | 0.179%  |
| 110 | 13.630 | 13.615 | 13.655 | VV | 25     | 302   | 0.11%  | 0.065%  |
| 111 | 13.670 | 13.655 | 13.703 | VV | 21     | 412   | 0.15%  | 0.089%  |
| 112 | 13.723 | 13.703 | 13.778 | VV | 34     | 961   | 0.35%  | 0.208%  |
| 113 | 13.983 | 13.778 | 14.019 | VV | 76     | 6323  | 2.29%  | 1.372%  |
| 114 | 14.129 | 14.019 | 14.301 | VV | 174    | 16245 | 5.88%  | 3.524%  |
| 115 | 14.332 | 14.301 | 14.349 | VV | 33     | 528   | 0.19%  | 0.114%  |
| 116 | 14.456 | 14.349 | 14.486 | VV | 40     | 1848  | 0.67%  | 0.401%  |
| 117 | 14.501 | 14.486 | 14.516 | VV | 27     | 269   | 0.10%  | 0.058%  |
| 118 | 14.538 | 14.516 | 14.556 | VV | 30     | 412   | 0.15%  | 0.089%  |
| 119 | 14.623 | 14.556 | 14.657 | VV | 28     | 763   | 0.28%  | 0.165%  |
| 120 | 14.682 | 14.657 | 14.716 | VV | 18     | 405   | 0.15%  | 0.088%  |
| 121 | 14.733 | 14.716 | 14.749 | VV | 16     | 230   | 0.08%  | 0.050%  |
| 122 | 14.763 | 14.749 | 14.796 | VV | 15     | 364   | 0.13%  | 0.079%  |
| 123 | 14.816 | 14.796 | 14.854 | VV | 14     | 369   | 0.13%  | 0.080%  |
| 124 | 14.874 | 14.854 | 14.891 | VV | 20     | 229   | 0.08%  | 0.050%  |
| 125 | 14.906 | 14.891 | 14.927 | PV | 14     | 219   | 0.08%  | 0.048%  |
| 126 | 15.063 | 14.927 | 15.120 | VV | 79     | 4611  | 1.67%  | 1.000%  |
| 127 | 15.139 | 15.120 | 15.164 | VV | 31     | 630   | 0.23%  | 0.137%  |
| 128 | 15.198 | 15.164 | 15.260 | VV | 27     | 892   | 0.32%  | 0.194%  |
| 129 | 15.290 | 15.260 | 15.304 | VV | 12     | 331   | 0.12%  | 0.072%  |
| 130 | 15.416 | 15.304 | 15.461 | VV | 59     | 3118  | 1.13%  | 0.677%  |
| 131 | 15.502 | 15.461 | 15.559 | VV | 44     | 1857  | 0.67%  | 0.403%  |
| 132 | 15.572 | 15.559 | 15.619 | VV | 32     | 493   | 0.18%  | 0.107%  |
| 133 | 15.670 | 15.619 | 15.743 | PB | 12     | 547   | 0.20%  | 0.119%  |
| 134 | 15.845 | 15.754 | 15.910 | BV | 20     | -464  | -0.17% | -0.101% |
| 135 | 15.972 | 15.910 | 16.085 | PV | 27     | 1315  | 0.48%  | 0.285%  |
| 136 | 16.220 | 16.085 | 16.311 | VV | 76     | 4837  | 1.75%  | 1.049%  |
| 137 | 16.454 | 16.311 | 16.483 | VV | 41     | 3034  | 1.10%  | 0.658%  |
| 138 | 16.494 | 16.483 | 16.519 | VV | 54     | 542   | 0.20%  | 0.118%  |
| 139 | 16.531 | 16.519 | 16.558 | VV | 20     | 233   | 0.08%  | 0.050%  |
| 140 | 16.642 | 16.558 | 16.656 | VV | 42     | 1075  | 0.39%  | 0.233%  |
| 141 | 16.673 | 16.656 | 16.736 | VV | 22     | 448   | 0.16%  | 0.097%  |

|                         |        |        |        |    |    |     |        |        |
|-------------------------|--------|--------|--------|----|----|-----|--------|--------|
| 142                     | 16.805 | 16.736 | 16.840 | PV | 22 | 815 | 0.29%  | 0.177% |
| Sum of corrected areas: |        |        |        |    |    |     | 460941 |        |

FB062325.M Fri Jul 11 02:41:57 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/08/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-89                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-08                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 90.1                    |
| Sample Wt/Vol:     | 4.87                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032095.D        | 50        | 07/11/25 14:08 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 471   | U         | 471      | 2560       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 21.7  |           | 50 - 150 | 109%       | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032095.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 14:08  
Operator : YP/AJ  
Sample : Q2529-08 50X  
Misc : 4.87G/5.00 ML DI WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-89

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.797 | 335124   | 21.722 ng/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

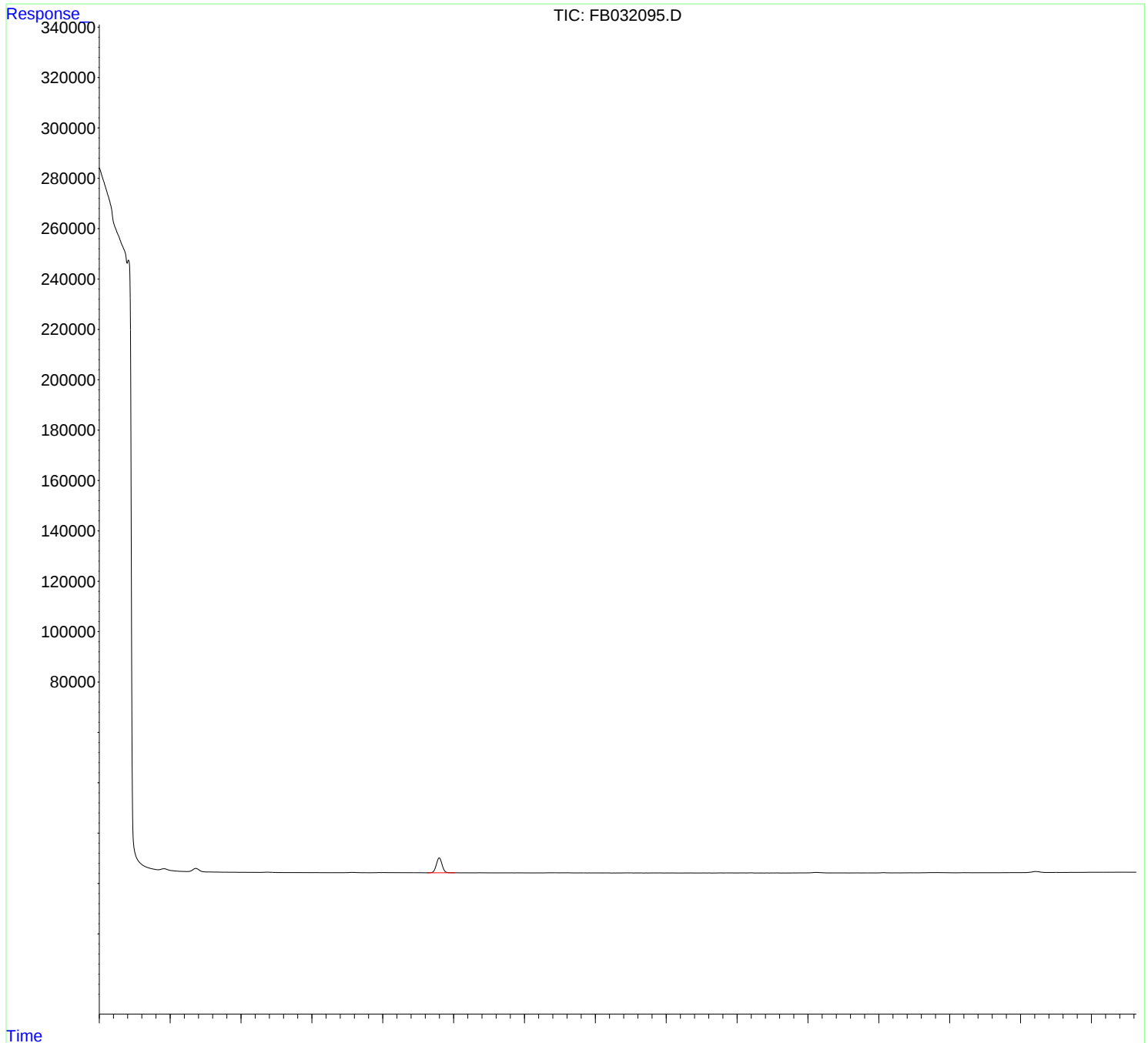
(m)=manual int.

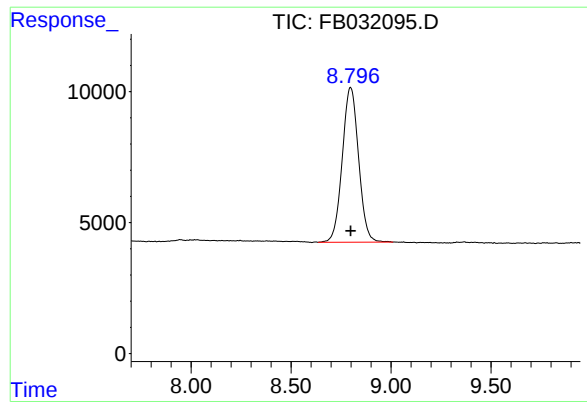
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032095.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 14:08  
Operator : YP/AJ  
Sample : Q2529-08 50X  
Misc : 4.87G/5.00 ML DI WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-89

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.797 min  
Delta R.T.: 0.000 min  
Response: 335124  
Conc: 21.72 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-89

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
 Data File : FB032095.D  
 Signal(s) : FID2B.CH  
 Acq On : 11 Jul 2025 14:08  
 Sample : Q2529-08 50X  
 Misc : 4.87G/5.00 ML DI WATER  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 5.204       | 5.193        | 5.233      | PV       | 29             | 350          | 0.10%          | 0.064%        |
| 2         | 5.525       | 5.518        | 5.612      | PV       | 10             | -40          | -0.01%         | -0.007%       |
| 3         | 5.619       | 5.612        | 5.697      | PV       | 10             | 482          | 0.14%          | 0.089%        |
| 4         | 5.706       | 5.697        | 5.733      | VV       | 23             | 303          | 0.09%          | 0.056%        |
| 5         | 5.761       | 5.733        | 5.777      | PV       | 24             | 337          | 0.10%          | 0.062%        |
| 6         | 5.788       | 5.777        | 5.838      | VV       | 25             | 508          | 0.15%          | 0.093%        |
| 7         | 5.883       | 5.838        | 5.920      | VV       | 33             | 812          | 0.24%          | 0.149%        |
| 8         | 5.935       | 5.920        | 5.944      | VV       | 32             | 262          | 0.08%          | 0.048%        |
| 9         | 5.950       | 5.944        | 5.974      | VV       | 22             | 266          | 0.08%          | 0.049%        |
| 10        | 5.982       | 5.974        | 5.989      | PV       | 16             | 78           | 0.02%          | 0.014%        |
| 11        | 6.003       | 5.989        | 6.029      | VV       | 31             | 489          | 0.14%          | 0.090%        |
| 12        | 6.043       | 6.029        | 6.071      | VV       | 31             | 549          | 0.16%          | 0.101%        |
| 13        | 6.086       | 6.071        | 6.099      | VV       | 38             | 378          | 0.11%          | 0.070%        |
| 14        | 6.107       | 6.099        | 6.132      | VV       | 16             | 286          | 0.08%          | 0.053%        |
| 15        | 6.140       | 6.132        | 6.153      | VV       | 25             | 256          | 0.08%          | 0.047%        |
| 16        | 6.169       | 6.153        | 6.192      | VV       | 26             | 528          | 0.16%          | 0.097%        |
| 17        | 6.202       | 6.192        | 6.221      | VV       | 33             | 455          | 0.13%          | 0.084%        |
| 18        | 6.228       | 6.221        | 6.240      | VV       | 28             | 233          | 0.07%          | 0.043%        |
| 19        | 6.290       | 6.240        | 6.298      | VV       | 41             | 973          | 0.29%          | 0.179%        |
| 20        | 6.347       | 6.298        | 6.357      | VV       | 111            | 2765         | 0.82%          | 0.509%        |
| 21        | 6.379       | 6.357        | 6.427      | VV       | 132            | 4832         | 1.43%          | 0.889%        |
| 22        | 6.433       | 6.427        | 6.515      | VV       | 93             | 2232         | 0.66%          | 0.411%        |
| 23        | 6.529       | 6.515        | 6.539      | PV       | 22             | 206          | 0.06%          | 0.038%        |
| 24        | 6.548       | 6.539        | 6.554      | VV       | 19             | 145          | 0.04%          | 0.027%        |
| 25        | 6.562       | 6.554        | 6.579      | VV       | 22             | 245          | 0.07%          | 0.045%        |
| 26        | 6.590       | 6.579        | 6.614      | VV       | 17             | 339          | 0.10%          | 0.062%        |
| 27        | 6.618       | 6.614        | 6.642      | VV       | 22             | 207          | 0.06%          | 0.038%        |
| 28        | 6.662       | 6.642        | 6.692      | VV       | 26             | 422          | 0.12%          | 0.078%        |
| 29        | 6.702       | 6.692        | 6.724      | VV       | 15             | 213          | 0.06%          | 0.039%        |
| 30        | 6.735       | 6.724        | 6.744      | VV       | 22             | 187          | 0.06%          | 0.034%        |
| 31        | 6.752       | 6.744        | 6.776      | VV       | 27             | 363          | 0.11%          | 0.067%        |
| 32        | 6.788       | 6.776        | 6.805      | VV       | 27             | 381          | 0.11%          | 0.070%        |
| 33        | 6.813       | 6.805        | 6.822      | VV       | 24             | 188          | 0.06%          | 0.035%        |
| 34        | 6.838       | 6.822        | 6.869      | VV       | 26             | 545          | 0.16%          | 0.100%        |
| 35        | 6.883       | 6.869        | 6.894      | VV       | 25             | 274          | 0.08%          | 0.050%        |
| 36        | 6.922       | 6.894        | 6.938      | VV       | 33             | 481          | 0.14%          | 0.089%        |

|    |       |       |       |    | rteres |        |         |         |
|----|-------|-------|-------|----|--------|--------|---------|---------|
| 37 | 6.959 | 6.938 | 6.971 | VV | 36     | 393    | 0.12%   | 0.072%  |
| 38 | 6.994 | 6.971 | 7.012 | VV | 26     | 354    | 0.10%   | 0.065%  |
| 39 | 7.032 | 7.012 | 7.053 | PV | 37     | 547    | 0.16%   | 0.101%  |
| 40 | 7.086 | 7.053 | 7.098 | VV | 37     | 781    | 0.23%   | 0.144%  |
|    |       |       |       |    |        |        |         |         |
| 41 | 7.107 | 7.098 | 7.130 | VV | 26     | 355    | 0.10%   | 0.065%  |
| 42 | 7.140 | 7.130 | 7.169 | VV | 22     | 340    | 0.10%   | 0.063%  |
| 43 | 7.186 | 7.169 | 7.208 | VV | 18     | 356    | 0.10%   | 0.065%  |
| 44 | 7.221 | 7.208 | 7.245 | VV | 24     | 280    | 0.08%   | 0.052%  |
| 45 | 7.272 | 7.245 | 7.286 | PV | 18     | 247    | 0.07%   | 0.045%  |
|    |       |       |       |    |        |        |         |         |
| 46 | 7.301 | 7.286 | 7.328 | VV | 19     | 246    | 0.07%   | 0.045%  |
| 47 | 7.346 | 7.328 | 7.354 | VV | 19     | 215    | 0.06%   | 0.040%  |
| 48 | 7.360 | 7.354 | 7.379 | VV | 19     | 215    | 0.06%   | 0.039%  |
| 49 | 7.392 | 7.379 | 7.404 | VV | 27     | 249    | 0.07%   | 0.046%  |
| 50 | 7.416 | 7.404 | 7.424 | VV | 23     | 211    | 0.06%   | 0.039%  |
|    |       |       |       |    |        |        |         |         |
| 51 | 7.434 | 7.424 | 7.448 | VV | 28     | 235    | 0.07%   | 0.043%  |
| 52 | 7.568 | 7.448 | 7.603 | VV | 126    | 6512   | 1.92%   | 1.198%  |
| 53 | 7.614 | 7.603 | 7.777 | VV | 105    | 4206   | 1.24%   | 0.774%  |
| 54 | 7.790 | 7.777 | 7.811 | VV | 24     | 273    | 0.08%   | 0.050%  |
| 55 | 7.821 | 7.811 | 7.829 | VV | 25     | 144    | 0.04%   | 0.026%  |
|    |       |       |       |    |        |        |         |         |
| 56 | 7.841 | 7.829 | 7.850 | VV | 24     | 172    | 0.05%   | 0.032%  |
| 57 | 7.944 | 7.850 | 7.973 | VV | 91     | 3424   | 1.01%   | 0.630%  |
| 58 | 7.997 | 7.973 | 8.011 | VV | 82     | 1629   | 0.48%   | 0.300%  |
| 59 | 8.018 | 8.011 | 8.058 | VV | 91     | 2194   | 0.65%   | 0.403%  |
| 60 | 8.066 | 8.058 | 8.097 | VV | 68     | 1467   | 0.43%   | 0.270%  |
|    |       |       |       |    |        |        |         |         |
| 61 | 8.112 | 8.097 | 8.133 | VV | 63     | 1263   | 0.37%   | 0.232%  |
| 62 | 8.142 | 8.133 | 8.147 | VV | 59     | 469    | 0.14%   | 0.086%  |
| 63 | 8.155 | 8.147 | 8.175 | VV | 66     | 946    | 0.28%   | 0.174%  |
| 64 | 8.181 | 8.175 | 8.224 | VV | 62     | 1604   | 0.47%   | 0.295%  |
| 65 | 8.234 | 8.224 | 8.239 | VV | 64     | 521    | 0.15%   | 0.096%  |
|    |       |       |       |    |        |        |         |         |
| 66 | 8.247 | 8.239 | 8.295 | VV | 74     | 1778   | 0.52%   | 0.327%  |
| 67 | 8.299 | 8.295 | 8.309 | VV | 54     | 403    | 0.12%   | 0.074%  |
| 68 | 8.325 | 8.309 | 8.340 | VV | 55     | 932    | 0.28%   | 0.171%  |
| 69 | 8.345 | 8.340 | 8.366 | VV | 52     | 721    | 0.21%   | 0.133%  |
| 70 | 8.379 | 8.366 | 8.387 | VV | 59     | 626    | 0.18%   | 0.115%  |
|    |       |       |       |    |        |        |         |         |
| 71 | 8.392 | 8.387 | 8.461 | VV | 53     | 1991   | 0.59%   | 0.366%  |
| 72 | 8.477 | 8.461 | 8.498 | VV | 43     | 822    | 0.24%   | 0.151%  |
| 73 | 8.510 | 8.498 | 8.526 | VV | 44     | 677    | 0.20%   | 0.125%  |
| 74 | 8.531 | 8.526 | 8.605 | VV | 44     | 1212   | 0.36%   | 0.223%  |
| 75 | 8.623 | 8.605 | 8.636 | VV | 23     | 285    | 0.08%   | 0.052%  |
|    |       |       |       |    |        |        |         |         |
| 76 | 8.797 | 8.636 | 8.971 | VV | 5934   | 338788 | 100.00% | 62.315% |
| 77 | 8.985 | 8.971 | 9.052 | VV | 58     | 1898   | 0.56%   | 0.349%  |
| 78 | 9.064 | 9.052 | 9.103 | VV | 43     | 755    | 0.22%   | 0.139%  |
| 79 | 9.116 | 9.103 | 9.129 | VV | 27     | 320    | 0.09%   | 0.059%  |
| 80 | 9.148 | 9.129 | 9.169 | VV | 26     | 480    | 0.14%   | 0.088%  |
|    |       |       |       |    |        |        |         |         |
| 81 | 9.195 | 9.169 | 9.211 | VV | 25     | 488    | 0.14%   | 0.090%  |
| 82 | 9.225 | 9.211 | 9.259 | VV | 22     | 369    | 0.11%   | 0.068%  |
| 83 | 9.269 | 9.259 | 9.300 | VV | 20     | 264    | 0.08%   | 0.049%  |
| 84 | 9.330 | 9.300 | 9.343 | VV | 43     | 702    | 0.21%   | 0.129%  |
| 85 | 9.368 | 9.343 | 9.394 | VV | 57     | 1200   | 0.35%   | 0.221%  |
|    |       |       |       |    |        |        |         |         |
| 86 | 9.403 | 9.394 | 9.409 | VV | 37     | 299    | 0.09%   | 0.055%  |
| 87 | 9.421 | 9.409 | 9.443 | VV | 41     | 660    | 0.19%   | 0.121%  |
| 88 | 9.454 | 9.443 | 9.467 | VV | 27     | 312    | 0.09%   | 0.057%  |
| 89 | 9.476 | 9.467 | 9.533 | VV | 23     | 661    | 0.20%   | 0.122%  |

|     |        |        |        |    |        |      |       |        |  |
|-----|--------|--------|--------|----|--------|------|-------|--------|--|
|     |        |        |        |    | rteres |      |       |        |  |
| 90  | 9.550  | 9.533  | 9.559  | VV | 15     | 154  | 0.05% | 0.028% |  |
| 91  | 9.587  | 9.559  | 9.607  | VV | 21     | 366  | 0.11% | 0.067% |  |
| 92  | 9.614  | 9.607  | 9.622  | VV | 10     | 61   | 0.02% | 0.011% |  |
| 93  | 9.636  | 9.622  | 9.656  | VV | 20     | 337  | 0.10% | 0.062% |  |
| 94  | 9.672  | 9.656  | 9.684  | VV | 31     | 317  | 0.09% | 0.058% |  |
| 95  | 9.694  | 9.684  | 9.704  | VV | 21     | 198  | 0.06% | 0.036% |  |
| 96  | 9.711  | 9.704  | 9.723  | VV | 18     | 123  | 0.04% | 0.023% |  |
| 97  | 9.738  | 9.723  | 9.750  | VV | 22     | 233  | 0.07% | 0.043% |  |
| 98  | 9.762  | 9.750  | 9.801  | VV | 33     | 738  | 0.22% | 0.136% |  |
| 99  | 9.827  | 9.801  | 9.845  | VV | 35     | 600  | 0.18% | 0.110% |  |
| 100 | 9.901  | 9.845  | 9.913  | VV | 47     | 1084 | 0.32% | 0.199% |  |
| 101 | 9.923  | 9.913  | 9.929  | VV | 44     | 348  | 0.10% | 0.064% |  |
| 102 | 9.937  | 9.929  | 9.957  | VV | 47     | 552  | 0.16% | 0.102% |  |
| 103 | 9.977  | 9.957  | 10.031 | VV | 35     | 1130 | 0.33% | 0.208% |  |
| 104 | 10.068 | 10.031 | 10.101 | VV | 29     | 726  | 0.21% | 0.134% |  |
| 105 | 10.146 | 10.101 | 10.158 | PV | 24     | 485  | 0.14% | 0.089% |  |
| 106 | 10.187 | 10.158 | 10.222 | VV | 28     | 815  | 0.24% | 0.150% |  |
| 107 | 10.232 | 10.222 | 10.253 | VV | 35     | 482  | 0.14% | 0.089% |  |
| 108 | 10.351 | 10.253 | 10.361 | VV | 74     | 2895 | 0.85% | 0.532% |  |
| 109 | 10.375 | 10.361 | 10.400 | VV | 81     | 1700 | 0.50% | 0.313% |  |
| 110 | 10.414 | 10.400 | 10.447 | VV | 80     | 2038 | 0.60% | 0.375% |  |
| 111 | 10.465 | 10.447 | 10.505 | VV | 65     | 1918 | 0.57% | 0.353% |  |
| 112 | 10.527 | 10.505 | 10.537 | VV | 65     | 1130 | 0.33% | 0.208% |  |
| 113 | 10.550 | 10.537 | 10.573 | VV | 75     | 1370 | 0.40% | 0.252% |  |
| 114 | 10.618 | 10.573 | 10.711 | VV | 73     | 3917 | 1.16% | 0.720% |  |
| 115 | 10.734 | 10.711 | 10.741 | VV | 35     | 447  | 0.13% | 0.082% |  |
| 116 | 10.750 | 10.741 | 10.766 | VV | 36     | 451  | 0.13% | 0.083% |  |
| 117 | 10.791 | 10.766 | 10.850 | VV | 42     | 1658 | 0.49% | 0.305% |  |
| 118 | 10.865 | 10.850 | 10.877 | VV | 40     | 423  | 0.12% | 0.078% |  |
| 119 | 10.918 | 10.877 | 10.928 | VV | 40     | 731  | 0.22% | 0.135% |  |
| 120 | 10.940 | 10.928 | 10.961 | VV | 32     | 494  | 0.15% | 0.091% |  |
| 121 | 10.989 | 10.961 | 10.997 | VV | 30     | 543  | 0.16% | 0.100% |  |
| 122 | 11.004 | 10.997 | 11.028 | VV | 31     | 485  | 0.14% | 0.089% |  |
| 123 | 11.037 | 11.028 | 11.049 | VV | 29     | 327  | 0.10% | 0.060% |  |
| 124 | 11.059 | 11.049 | 11.070 | VV | 34     | 336  | 0.10% | 0.062% |  |
| 125 | 11.081 | 11.070 | 11.103 | VV | 37     | 470  | 0.14% | 0.086% |  |
| 126 | 11.139 | 11.103 | 11.166 | VV | 31     | 822  | 0.24% | 0.151% |  |
| 127 | 11.176 | 11.166 | 11.184 | VV | 37     | 273  | 0.08% | 0.050% |  |
| 128 | 11.199 | 11.184 | 11.217 | VV | 49     | 516  | 0.15% | 0.095% |  |
| 129 | 11.275 | 11.217 | 11.287 | PV | 28     | 611  | 0.18% | 0.112% |  |
| 130 | 11.295 | 11.287 | 11.303 | VV | 22     | 146  | 0.04% | 0.027% |  |
| 131 | 11.316 | 11.303 | 11.351 | VV | 22     | 495  | 0.15% | 0.091% |  |
| 132 | 11.385 | 11.351 | 11.397 | VV | 40     | 674  | 0.20% | 0.124% |  |
| 133 | 11.428 | 11.397 | 11.464 | VV | 55     | 1627 | 0.48% | 0.299% |  |
| 134 | 11.473 | 11.464 | 11.483 | VV | 44     | 412  | 0.12% | 0.076% |  |
| 135 | 11.492 | 11.483 | 11.518 | VV | 40     | 620  | 0.18% | 0.114% |  |
| 136 | 11.523 | 11.518 | 11.553 | VV | 37     | 395  | 0.12% | 0.073% |  |
| 137 | 11.568 | 11.553 | 11.579 | VV | 24     | 276  | 0.08% | 0.051% |  |
| 138 | 11.596 | 11.579 | 11.607 | VV | 23     | 303  | 0.09% | 0.056% |  |
| 139 | 11.616 | 11.607 | 11.632 | VV | 25     | 304  | 0.09% | 0.056% |  |
| 140 | 11.655 | 11.632 | 11.669 | VV | 28     | 450  | 0.13% | 0.083% |  |
| 141 | 11.677 | 11.669 | 11.695 | VV | 12     | 146  | 0.04% | 0.027% |  |

|     |        |        |        |    | rteres |      |       |        |
|-----|--------|--------|--------|----|--------|------|-------|--------|
| 142 | 11.712 | 11.695 | 11.732 | VV | 29     | 385  | 0.11% | 0.071% |
| 143 | 11.756 | 11.732 | 11.771 | VV | 21     | 375  | 0.11% | 0.069% |
| 144 | 11.785 | 11.771 | 11.818 | VV | 29     | 647  | 0.19% | 0.119% |
| 145 | 11.824 | 11.818 | 11.831 | VV | 27     | 154  | 0.05% | 0.028% |
| 146 | 11.840 | 11.831 | 11.865 | VV | 26     | 405  | 0.12% | 0.074% |
| 147 | 11.874 | 11.865 | 11.886 | VV | 31     | 276  | 0.08% | 0.051% |
| 148 | 11.908 | 11.886 | 11.936 | VV | 32     | 669  | 0.20% | 0.123% |
| 149 | 11.944 | 11.936 | 11.987 | VV | 25     | 381  | 0.11% | 0.070% |
| 150 | 12.002 | 11.987 | 12.033 | VV | 18     | 368  | 0.11% | 0.068% |
| 151 | 12.040 | 12.033 | 12.049 | VV | 17     | 123  | 0.04% | 0.023% |
| 152 | 12.076 | 12.049 | 12.108 | VV | 25     | 577  | 0.17% | 0.106% |
| 153 | 12.116 | 12.108 | 12.169 | VV | 28     | 399  | 0.12% | 0.073% |
| 154 | 12.178 | 12.169 | 12.186 | PV | 8      | 46   | 0.01% | 0.008% |
| 155 | 12.200 | 12.186 | 12.209 | VV | 10     | 92   | 0.03% | 0.017% |
| 156 | 12.219 | 12.209 | 12.241 | VV | 9      | 115  | 0.03% | 0.021% |
| 157 | 12.255 | 12.241 | 12.272 | VV | 18     | 148  | 0.04% | 0.027% |
| 158 | 12.305 | 12.272 | 12.315 | VV | 25     | 318  | 0.09% | 0.058% |
| 159 | 12.346 | 12.315 | 12.372 | VV | 18     | 381  | 0.11% | 0.070% |
| 160 | 12.378 | 12.372 | 12.448 | VB | 15     | 287  | 0.08% | 0.053% |
| 161 | 12.483 | 12.450 | 12.515 | BV | 12     | 119  | 0.04% | 0.022% |
| 162 | 12.530 | 12.515 | 12.550 | VV | 18     | 247  | 0.07% | 0.046% |
| 163 | 12.557 | 12.550 | 12.581 | VV | 24     | 248  | 0.07% | 0.046% |
| 164 | 12.614 | 12.581 | 12.659 | VV | 39     | 628  | 0.19% | 0.116% |
| 165 | 12.773 | 12.659 | 12.793 | PV | 42     | 1768 | 0.52% | 0.325% |
| 166 | 12.861 | 12.793 | 12.875 | VV | 34     | 1184 | 0.35% | 0.218% |
| 167 | 12.887 | 12.875 | 12.912 | VV | 53     | 724  | 0.21% | 0.133% |
| 168 | 12.926 | 12.912 | 12.951 | VV | 40     | 668  | 0.20% | 0.123% |
| 169 | 12.973 | 12.951 | 12.988 | VV | 28     | 485  | 0.14% | 0.089% |
| 170 | 12.997 | 12.988 | 13.017 | VV | 22     | 332  | 0.10% | 0.061% |
| 171 | 13.060 | 13.017 | 13.090 | VV | 39     | 1265 | 0.37% | 0.233% |
| 172 | 13.096 | 13.090 | 13.108 | VV | 38     | 281  | 0.08% | 0.052% |
| 173 | 13.116 | 13.108 | 13.122 | VV | 28     | 190  | 0.06% | 0.035% |
| 174 | 13.127 | 13.122 | 13.135 | VV | 25     | 164  | 0.05% | 0.030% |
| 175 | 13.155 | 13.135 | 13.166 | VV | 52     | 646  | 0.19% | 0.119% |
| 176 | 13.179 | 13.166 | 13.192 | VV | 67     | 823  | 0.24% | 0.151% |
| 177 | 13.201 | 13.192 | 13.244 | VV | 67     | 1372 | 0.40% | 0.252% |
| 178 | 13.251 | 13.244 | 13.261 | VV | 18     | 95   | 0.03% | 0.017% |
| 179 | 13.291 | 13.261 | 13.314 | PV | 27     | 422  | 0.12% | 0.078% |
| 180 | 13.324 | 13.314 | 13.344 | VV | 20     | 277  | 0.08% | 0.051% |
| 181 | 13.357 | 13.344 | 13.366 | VV | 24     | 164  | 0.05% | 0.030% |
| 182 | 13.432 | 13.366 | 13.456 | VV | 41     | 793  | 0.23% | 0.146% |
| 183 | 13.473 | 13.456 | 13.488 | VV | 22     | 293  | 0.09% | 0.054% |
| 184 | 13.497 | 13.488 | 13.507 | VV | 23     | 198  | 0.06% | 0.036% |
| 185 | 13.518 | 13.507 | 13.536 | VV | 36     | 300  | 0.09% | 0.055% |
| 186 | 13.551 | 13.536 | 13.583 | VV | 39     | 710  | 0.21% | 0.131% |
| 187 | 13.600 | 13.583 | 13.616 | VV | 21     | 245  | 0.07% | 0.045% |
| 188 | 13.626 | 13.616 | 13.634 | VV | 12     | 50   | 0.01% | 0.009% |
| 189 | 13.650 | 13.634 | 13.661 | PV | 29     | 220  | 0.06% | 0.040% |
| 190 | 13.724 | 13.661 | 13.737 | VV | 33     | 746  | 0.22% | 0.137% |
| 191 | 13.742 | 13.737 | 13.764 | VV | 21     | 281  | 0.08% | 0.052% |
| 192 | 13.776 | 13.764 | 13.783 | VV | 27     | 220  | 0.06% | 0.040% |
| 193 | 13.807 | 13.783 | 13.816 | VV | 27     | 417  | 0.12% | 0.077% |
| 194 | 13.831 | 13.816 | 13.842 | VV | 30     | 389  | 0.11% | 0.071% |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 195 | 13.851 | 13.842 | 13.858 | VV | 31     | 254   | 0.07% | 0.047% |
| 196 | 13.872 | 13.858 | 13.886 | VV | 35     | 502   | 0.15% | 0.092% |
| 197 | 13.908 | 13.886 | 13.925 | VV | 47     | 870   | 0.26% | 0.160% |
| 198 | 13.934 | 13.925 | 13.946 | VV | 45     | 513   | 0.15% | 0.094% |
| 199 | 13.960 | 13.946 | 13.975 | VV | 44     | 746   | 0.22% | 0.137% |
| 200 | 14.003 | 13.975 | 14.017 | VV | 53     | 1192  | 0.35% | 0.219% |
| 201 | 14.109 | 14.017 | 14.117 | VV | 220    | 8516  | 2.51% | 1.566% |
| 202 | 14.127 | 14.117 | 14.309 | VV | 209    | 11614 | 3.43% | 2.136% |
| 203 | 14.337 | 14.309 | 14.356 | VV | 34     | 706   | 0.21% | 0.130% |
| 204 | 14.384 | 14.356 | 14.406 | VV | 38     | 762   | 0.22% | 0.140% |
| 205 | 14.428 | 14.406 | 14.458 | VV | 30     | 769   | 0.23% | 0.141% |
| 206 | 14.468 | 14.458 | 14.507 | VV | 31     | 676   | 0.20% | 0.124% |
| 207 | 14.514 | 14.507 | 14.524 | VV | 23     | 167   | 0.05% | 0.031% |
| 208 | 14.532 | 14.524 | 14.544 | VV | 19     | 165   | 0.05% | 0.030% |
| 209 | 14.564 | 14.544 | 14.587 | VV | 31     | 379   | 0.11% | 0.070% |
| 210 | 14.600 | 14.587 | 14.620 | PV | 23     | 252   | 0.07% | 0.046% |
| 211 | 14.633 | 14.620 | 14.641 | VV | 20     | 178   | 0.05% | 0.033% |
| 212 | 14.650 | 14.641 | 14.657 | VV | 21     | 175   | 0.05% | 0.032% |
| 213 | 14.672 | 14.657 | 14.685 | VV | 28     | 364   | 0.11% | 0.067% |
| 214 | 14.695 | 14.685 | 14.708 | VV | 30     | 320   | 0.09% | 0.059% |
| 215 | 14.716 | 14.708 | 14.754 | VV | 23     | 423   | 0.12% | 0.078% |
| 216 | 14.768 | 14.754 | 14.778 | VV | 17     | 171   | 0.05% | 0.031% |
| 217 | 14.795 | 14.778 | 14.825 | VV | 23     | 381   | 0.11% | 0.070% |
| 218 | 14.853 | 14.825 | 14.863 | VV | 18     | 321   | 0.09% | 0.059% |
| 219 | 14.883 | 14.863 | 14.891 | VV | 25     | 314   | 0.09% | 0.058% |
| 220 | 14.906 | 14.891 | 14.915 | VV | 29     | 277   | 0.08% | 0.051% |
| 221 | 14.924 | 14.915 | 14.954 | VV | 31     | 371   | 0.11% | 0.068% |
| 222 | 14.964 | 14.954 | 14.997 | VV | 25     | 560   | 0.17% | 0.103% |
| 223 | 15.069 | 14.997 | 15.148 | VV | 128    | 6044  | 1.78% | 1.112% |
| 224 | 15.156 | 15.148 | 15.187 | VV | 29     | 545   | 0.16% | 0.100% |
| 225 | 15.201 | 15.187 | 15.208 | VV | 26     | 293   | 0.09% | 0.054% |
| 226 | 15.221 | 15.208 | 15.252 | VV | 31     | 613   | 0.18% | 0.113% |
| 227 | 15.263 | 15.252 | 15.274 | VV | 43     | 404   | 0.12% | 0.074% |
| 228 | 15.278 | 15.274 | 15.295 | VV | 29     | 191   | 0.06% | 0.035% |
| 229 | 15.326 | 15.295 | 15.334 | PV | 25     | 385   | 0.11% | 0.071% |
| 230 | 15.346 | 15.334 | 15.356 | VV | 35     | 336   | 0.10% | 0.062% |
| 231 | 15.371 | 15.356 | 15.406 | VV | 34     | 930   | 0.27% | 0.171% |
| 232 | 15.445 | 15.406 | 15.478 | VV | 56     | 1779  | 0.52% | 0.327% |
| 233 | 15.503 | 15.478 | 15.517 | VV | 48     | 936   | 0.28% | 0.172% |
| 234 | 15.528 | 15.517 | 15.546 | VV | 40     | 587   | 0.17% | 0.108% |
| 235 | 15.559 | 15.546 | 15.568 | VV | 35     | 423   | 0.12% | 0.078% |
| 236 | 15.625 | 15.568 | 15.635 | VV | 56     | 1616  | 0.48% | 0.297% |
| 237 | 15.724 | 15.635 | 15.735 | VV | 106    | 4766  | 1.41% | 0.877% |
| 238 | 15.747 | 15.735 | 15.755 | VV | 110    | 1299  | 0.38% | 0.239% |
| 239 | 15.779 | 15.755 | 15.795 | VV | 122    | 2658  | 0.78% | 0.489% |
| 240 | 15.809 | 15.795 | 15.819 | VV | 120    | 1509  | 0.45% | 0.278% |
| 241 | 15.824 | 15.819 | 15.843 | VV | 111    | 1495  | 0.44% | 0.275% |
| 242 | 15.851 | 15.843 | 15.943 | VV | 109    | 5127  | 1.51% | 0.943% |
| 243 | 15.951 | 15.943 | 15.974 | VV | 67     | 1033  | 0.31% | 0.190% |
| 244 | 15.982 | 15.974 | 16.019 | VV | 49     | 945   | 0.28% | 0.174% |
| 245 | 16.024 | 16.019 | 16.034 | VV | 29     | 209   | 0.06% | 0.038% |
| 246 | 16.042 | 16.034 | 16.059 | VV | 30     | 295   | 0.09% | 0.054% |

|     |        |        |        |                         | rteres |      |        |        |
|-----|--------|--------|--------|-------------------------|--------|------|--------|--------|
| 247 | 16.068 | 16.059 | 16.088 | VV                      | 22     | 173  | 0.05%  | 0.032% |
| 248 | 16.098 | 16.088 | 16.118 | PV                      | 18     | 186  | 0.05%  | 0.034% |
| 249 | 16.136 | 16.118 | 16.145 | VV                      | 22     | 254  | 0.07%  | 0.047% |
| 250 | 16.205 | 16.145 | 16.288 | VV                      | 59     | 3370 | 0.99%  | 0.620% |
| 251 | 16.308 | 16.288 | 16.338 | VV                      | 28     | 568  | 0.17%  | 0.104% |
| 252 | 16.364 | 16.338 | 16.371 | VV                      | 20     | 330  | 0.10%  | 0.061% |
| 253 | 16.387 | 16.371 | 16.400 | VV                      | 28     | 354  | 0.10%  | 0.065% |
| 254 | 16.408 | 16.400 | 16.416 | VV                      | 17     | 160  | 0.05%  | 0.030% |
| 255 | 16.435 | 16.416 | 16.444 | VV                      | 20     | 272  | 0.08%  | 0.050% |
| 256 | 16.521 | 16.444 | 16.533 | VV                      | 18     | 731  | 0.22%  | 0.134% |
| 257 | 16.576 | 16.533 | 16.586 | VV                      | 26     | 387  | 0.11%  | 0.071% |
| 258 | 16.617 | 16.586 | 16.646 | VV                      | 30     | 574  | 0.17%  | 0.106% |
| 259 | 16.655 | 16.646 | 16.681 | PV                      | 22     | 213  | 0.06%  | 0.039% |
| 260 | 16.718 | 16.681 | 16.725 | PV                      | 15     | 53   | 0.02%  | 0.010% |
| 261 | 16.737 | 16.725 | 16.750 | PV                      | 18     | 107  | 0.03%  | 0.020% |
| 262 | 16.784 | 16.750 | 16.801 | PBA                     | 19     | 304  | 0.09%  | 0.056% |
|     |        |        |        | Sum of corrected areas: |        |      | 543672 |        |

FB062325.M Sat Jul 12 00:56:09 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/08/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-33                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-09                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 90.5                    |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032093.D        | 1         | 07/11/25 13:13 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 9.00  | U         | 9.00     | 50.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 24.2  |           | 50 - 150 | 121%       | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032093.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 13:13  
Operator : YP/AJ  
Sample : Q2529-09 50X  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-33

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.798 | 372924   | 24.172 ng/ml |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

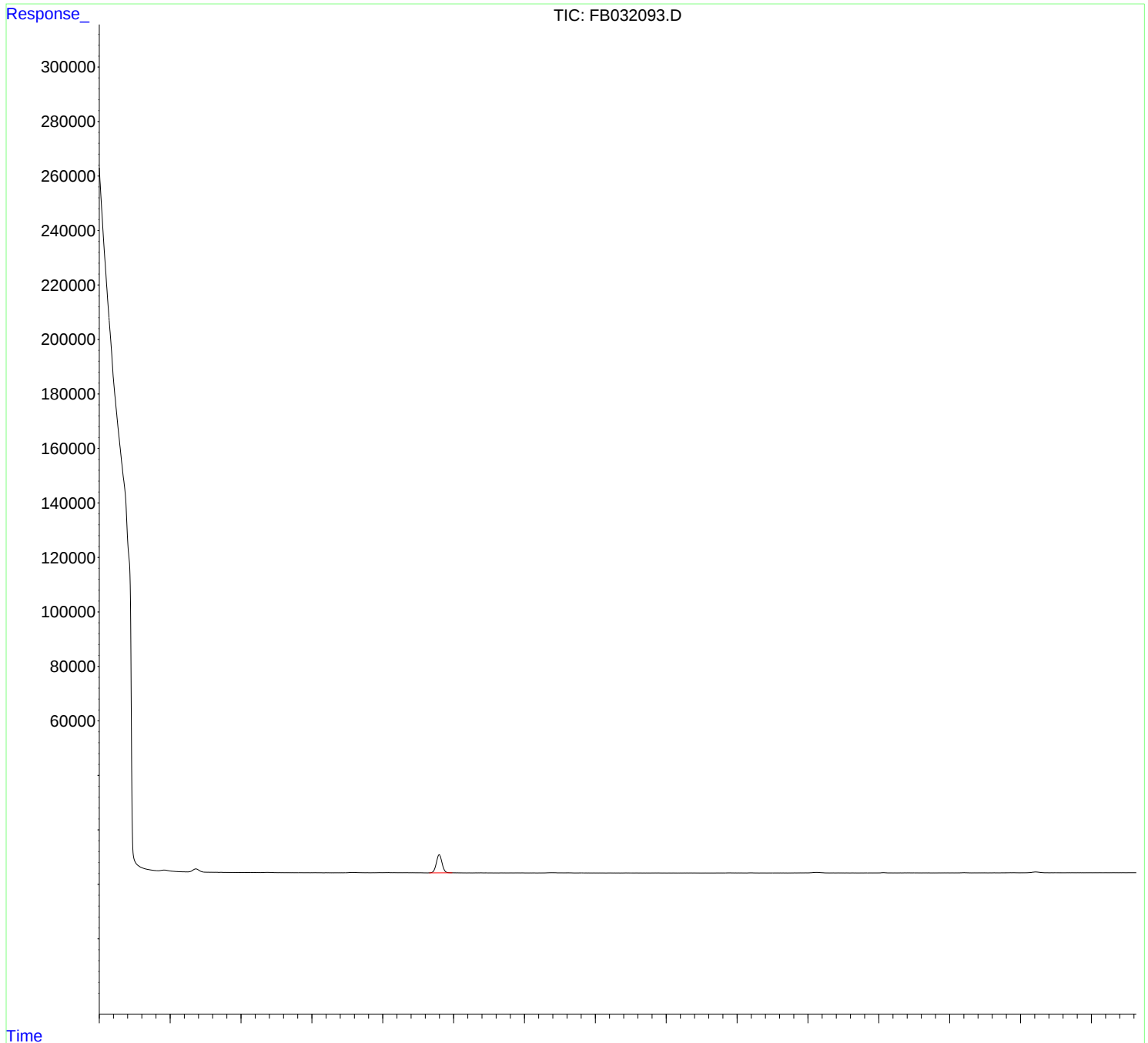
(m)=manual int.

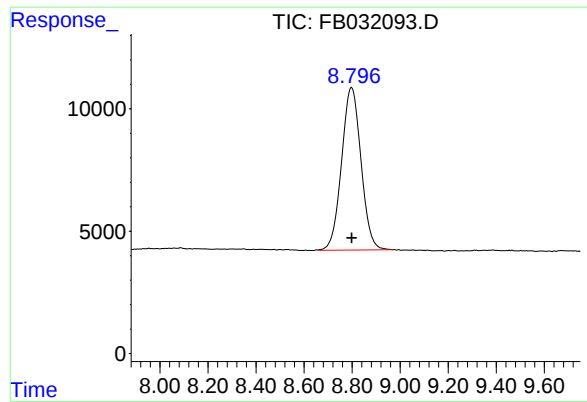
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032093.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 13:13  
Operator : YP/AJ  
Sample : Q2529-09 50X  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-33

Integration File: Calibration.e  
Quant Time: Jul 11 23:50:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.798 min  
Delta R.T.: 0.000 min  
Response: 372924  
Conc: 24.17 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-33

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
 Data File : FB032093.D  
 Signal(s) : FID2B.CH  
 Acq On : 11 Jul 2025 13:13  
 Sample : Q2529-09 50X  
 Misc : 5.00G/5.00 ML DI WATER  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 5.183       | 5.172        | 5.227      | PV       | 14             | 280          | 0.07%          | 0.048%        |
| 2         | 5.237       | 5.227        | 5.247      | PV       | 23             | 160          | 0.04%          | 0.027%        |
| 3         | 5.540       | 5.530        | 5.559      | PV       | 20             | 118          | 0.03%          | 0.020%        |
| 4         | 5.565       | 5.559        | 5.577      | PV       | 9              | 66           | 0.02%          | 0.011%        |
| 5         | 5.587       | 5.577        | 5.628      | VV       | 21             | 300          | 0.08%          | 0.052%        |
| 6         | 5.648       | 5.628        | 5.663      | VV       | 30             | 369          | 0.10%          | 0.063%        |
| 7         | 5.672       | 5.663        | 5.682      | VV       | 30             | 166          | 0.04%          | 0.028%        |
| 8         | 5.720       | 5.682        | 5.767      | PV       | 30             | 659          | 0.17%          | 0.113%        |
| 9         | 5.784       | 5.767        | 5.836      | PV       | 18             | 295          | 0.08%          | 0.051%        |
| 10        | 5.853       | 5.836        | 5.864      | PV       | 15             | 149          | 0.04%          | 0.026%        |
| 11        | 5.873       | 5.864        | 5.882      | VV       | 21             | 122          | 0.03%          | 0.021%        |
| 12        | 5.889       | 5.882        | 5.903      | VV       | 19             | 112          | 0.03%          | 0.019%        |
| 13        | 5.929       | 5.903        | 5.946      | VV       | 22             | 311          | 0.08%          | 0.054%        |
| 14        | 5.962       | 5.946        | 5.996      | PV       | 26             | 372          | 0.10%          | 0.064%        |
| 15        | 6.009       | 5.996        | 6.021      | VV       | 20             | 193          | 0.05%          | 0.033%        |
| 16        | 6.030       | 6.021        | 6.041      | VV       | 27             | 202          | 0.05%          | 0.035%        |
| 17        | 6.049       | 6.041        | 6.090      | VV       | 25             | 479          | 0.13%          | 0.082%        |
| 18        | 6.102       | 6.090        | 6.148      | PV       | 26             | 471          | 0.12%          | 0.081%        |
| 19        | 6.165       | 6.148        | 6.177      | VV       | 36             | 333          | 0.09%          | 0.057%        |
| 20        | 6.207       | 6.177        | 6.227      | PV       | 26             | 413          | 0.11%          | 0.071%        |
| 21        | 6.257       | 6.227        | 6.274      | VV       | 33             | 417          | 0.11%          | 0.072%        |
| 22        | 6.314       | 6.274        | 6.322      | VV       | 67             | 914          | 0.24%          | 0.157%        |
| 23        | 6.365       | 6.322        | 6.377      | VV       | 103            | 2732         | 0.72%          | 0.469%        |
| 24        | 6.379       | 6.377        | 6.472      | VV       | 101            | 3801         | 1.00%          | 0.653%        |
| 25        | 6.488       | 6.472        | 6.529      | VV       | 30             | 524          | 0.14%          | 0.090%        |
| 26        | 6.541       | 6.529        | 6.568      | VV       | 23             | 329          | 0.09%          | 0.056%        |
| 27        | 6.578       | 6.568        | 6.602      | PV       | 19             | 216          | 0.06%          | 0.037%        |
| 28        | 6.609       | 6.602        | 6.621      | VV       | 18             | 122          | 0.03%          | 0.021%        |
| 29        | 6.638       | 6.621        | 6.691      | VV       | 23             | 551          | 0.14%          | 0.095%        |
| 30        | 6.697       | 6.691        | 6.719      | VV       | 24             | 247          | 0.06%          | 0.042%        |
| 31        | 6.728       | 6.719        | 6.751      | VV       | 27             | 325          | 0.09%          | 0.056%        |
| 32        | 6.769       | 6.751        | 6.780      | VV       | 18             | 209          | 0.05%          | 0.036%        |
| 33        | 6.788       | 6.780        | 6.795      | VV       | 16             | 123          | 0.03%          | 0.021%        |
| 34        | 6.808       | 6.795        | 6.817      | VV       | 25             | 236          | 0.06%          | 0.041%        |
| 35        | 6.826       | 6.817        | 6.843      | VV       | 35             | 332          | 0.09%          | 0.057%        |
| 36        | 6.855       | 6.843        | 6.867      | VV       | 28             | 303          | 0.08%          | 0.052%        |

|    |       |       |       |    |        |        |         |         |
|----|-------|-------|-------|----|--------|--------|---------|---------|
|    |       |       |       |    | rteres |        |         |         |
| 37 | 6.876 | 6.867 | 6.892 | VV | 23     | 267    | 0.07%   | 0.046%  |
| 38 | 6.906 | 6.892 | 6.919 | VV | 22     | 269    | 0.07%   | 0.046%  |
| 39 | 6.934 | 6.919 | 6.947 | VV | 28     | 359    | 0.09%   | 0.062%  |
| 40 | 6.961 | 6.947 | 6.979 | VV | 26     | 334    | 0.09%   | 0.057%  |
| 41 | 6.992 | 6.979 | 7.008 | PV | 41     | 400    | 0.10%   | 0.069%  |
| 42 | 7.053 | 7.008 | 7.100 | VV | 46     | 1689   | 0.44%   | 0.290%  |
| 43 | 7.112 | 7.100 | 7.166 | VV | 33     | 694    | 0.18%   | 0.119%  |
| 44 | 7.172 | 7.166 | 7.180 | PV | 10     | 37     | 0.01%   | 0.006%  |
| 45 | 7.199 | 7.180 | 7.223 | VV | 32     | 570    | 0.15%   | 0.098%  |
| 46 | 7.234 | 7.223 | 7.265 | VV | 32     | 471    | 0.12%   | 0.081%  |
| 47 | 7.274 | 7.265 | 7.283 | VV | 21     | 120    | 0.03%   | 0.021%  |
| 48 | 7.359 | 7.283 | 7.371 | VV | 25     | 799    | 0.21%   | 0.137%  |
| 49 | 7.385 | 7.371 | 7.398 | VV | 22     | 273    | 0.07%   | 0.047%  |
| 50 | 7.423 | 7.398 | 7.438 | VV | 26     | 431    | 0.11%   | 0.074%  |
| 51 | 7.570 | 7.438 | 7.596 | VV | 159    | 8018   | 2.10%   | 1.377%  |
| 52 | 7.608 | 7.596 | 7.685 | VV | 153    | 5510   | 1.44%   | 0.947%  |
| 53 | 7.693 | 7.685 | 7.711 | VV | 70     | 964    | 0.25%   | 0.166%  |
| 54 | 7.718 | 7.711 | 7.781 | VV | 61     | 2073   | 0.54%   | 0.356%  |
| 55 | 7.791 | 7.781 | 7.831 | VV | 63     | 1123   | 0.29%   | 0.193%  |
| 56 | 7.838 | 7.831 | 7.845 | VV | 36     | 259    | 0.07%   | 0.045%  |
| 57 | 7.861 | 7.845 | 7.886 | VV | 55     | 1057   | 0.28%   | 0.182%  |
| 58 | 7.933 | 7.886 | 7.941 | VV | 77     | 2020   | 0.53%   | 0.347%  |
| 59 | 7.955 | 7.941 | 7.980 | VV | 100    | 1875   | 0.49%   | 0.322%  |
| 60 | 7.989 | 7.980 | 8.000 | VV | 82     | 927    | 0.24%   | 0.159%  |
| 61 | 8.040 | 8.000 | 8.047 | VV | 95     | 2433   | 0.64%   | 0.418%  |
| 62 | 8.060 | 8.047 | 8.071 | VV | 105    | 1344   | 0.35%   | 0.231%  |
| 63 | 8.087 | 8.071 | 8.114 | VV | 122    | 2476   | 0.65%   | 0.425%  |
| 64 | 8.124 | 8.114 | 8.137 | VV | 84     | 1035   | 0.27%   | 0.178%  |
| 65 | 8.147 | 8.137 | 8.221 | VV | 82     | 3615   | 0.95%   | 0.621%  |
| 66 | 8.239 | 8.221 | 8.262 | VV | 68     | 1591   | 0.42%   | 0.273%  |
| 67 | 8.270 | 8.262 | 8.280 | VV | 69     | 696    | 0.18%   | 0.120%  |
| 68 | 8.302 | 8.280 | 8.338 | VV | 72     | 2312   | 0.61%   | 0.397%  |
| 69 | 8.349 | 8.338 | 8.374 | VV | 78     | 1358   | 0.36%   | 0.233%  |
| 70 | 8.391 | 8.374 | 8.407 | VV | 65     | 1108   | 0.29%   | 0.190%  |
| 71 | 8.417 | 8.407 | 8.466 | VV | 63     | 1926   | 0.50%   | 0.331%  |
| 72 | 8.477 | 8.466 | 8.488 | VV | 58     | 638    | 0.17%   | 0.110%  |
| 73 | 8.500 | 8.488 | 8.513 | VV | 55     | 701    | 0.18%   | 0.121%  |
| 74 | 8.534 | 8.513 | 8.598 | VV | 58     | 1873   | 0.49%   | 0.322%  |
| 75 | 8.608 | 8.598 | 8.630 | VV | 32     | 418    | 0.11%   | 0.072%  |
| 76 | 8.798 | 8.630 | 8.987 | VV | 6687   | 381631 | 100.00% | 65.566% |
| 77 | 8.996 | 8.987 | 9.006 | VV | 60     | 563    | 0.15%   | 0.097%  |
| 78 | 9.021 | 9.006 | 9.041 | VV | 48     | 878    | 0.23%   | 0.151%  |
| 79 | 9.054 | 9.041 | 9.065 | VV | 51     | 631    | 0.17%   | 0.108%  |
| 80 | 9.081 | 9.065 | 9.137 | VV | 43     | 1485   | 0.39%   | 0.255%  |
| 81 | 9.173 | 9.137 | 9.188 | VV | 30     | 574    | 0.15%   | 0.099%  |
| 82 | 9.203 | 9.188 | 9.218 | VV | 29     | 397    | 0.10%   | 0.068%  |
| 83 | 9.227 | 9.218 | 9.269 | VV | 38     | 648    | 0.17%   | 0.111%  |
| 84 | 9.276 | 9.269 | 9.289 | VV | 25     | 266    | 0.07%   | 0.046%  |
| 85 | 9.318 | 9.289 | 9.328 | VV | 51     | 790    | 0.21%   | 0.136%  |
| 86 | 9.387 | 9.328 | 9.422 | VV | 57     | 2290   | 0.60%   | 0.393%  |
| 87 | 9.466 | 9.422 | 9.493 | VV | 54     | 1326   | 0.35%   | 0.228%  |
| 88 | 9.502 | 9.493 | 9.509 | VV | 37     | 266    | 0.07%   | 0.046%  |
| 89 | 9.527 | 9.509 | 9.566 | VV | 36     | 748    | 0.20%   | 0.129%  |

|     |        |        |        |    |        |      |       |        |  |
|-----|--------|--------|--------|----|--------|------|-------|--------|--|
|     |        |        |        |    | rteres |      |       |        |  |
| 90  | 9.586  | 9.566  | 9.610  | PV | 22     | 359  | 0.09% | 0.062% |  |
| 91  | 9.621  | 9.610  | 9.633  | VV | 19     | 162  | 0.04% | 0.028% |  |
| 92  | 9.642  | 9.633  | 9.650  | PV | 27     | 124  | 0.03% | 0.021% |  |
| 93  | 9.673  | 9.650  | 9.740  | VV | 40     | 1465 | 0.38% | 0.252% |  |
| 94  | 9.814  | 9.740  | 9.841  | VV | 37     | 1454 | 0.38% | 0.250% |  |
| 95  | 9.859  | 9.841  | 9.867  | VV | 33     | 404  | 0.11% | 0.069% |  |
| 96  | 9.880  | 9.867  | 9.889  | VV | 40     | 443  | 0.12% | 0.076% |  |
| 97  | 9.911  | 9.889  | 9.953  | VV | 42     | 1309 | 0.34% | 0.225% |  |
| 98  | 9.967  | 9.953  | 10.024 | VV | 47     | 1180 | 0.31% | 0.203% |  |
| 99  | 10.032 | 10.024 | 10.043 | VV | 23     | 182  | 0.05% | 0.031% |  |
| 100 | 10.052 | 10.043 | 10.067 | VV | 23     | 209  | 0.05% | 0.036% |  |
| 101 | 10.095 | 10.067 | 10.104 | VV | 23     | 355  | 0.09% | 0.061% |  |
| 102 | 10.115 | 10.104 | 10.123 | VV | 27     | 257  | 0.07% | 0.044% |  |
| 103 | 10.138 | 10.123 | 10.185 | VV | 36     | 725  | 0.19% | 0.125% |  |
| 104 | 10.204 | 10.185 | 10.235 | VV | 27     | 574  | 0.15% | 0.099% |  |
| 105 | 10.388 | 10.235 | 10.400 | VV | 112    | 6133 | 1.61% | 1.054% |  |
| 106 | 10.417 | 10.400 | 10.477 | VV | 102    | 3848 | 1.01% | 0.661% |  |
| 107 | 10.495 | 10.477 | 10.506 | VV | 69     | 1080 | 0.28% | 0.186% |  |
| 108 | 10.516 | 10.506 | 10.532 | VV | 67     | 988  | 0.26% | 0.170% |  |
| 109 | 10.536 | 10.532 | 10.563 | VV | 67     | 1013 | 0.27% | 0.174% |  |
| 110 | 10.617 | 10.563 | 10.719 | VV | 71     | 4535 | 1.19% | 0.779% |  |
| 111 | 10.744 | 10.719 | 10.754 | VV | 32     | 387  | 0.10% | 0.066% |  |
| 112 | 10.781 | 10.754 | 10.791 | VV | 44     | 620  | 0.16% | 0.107% |  |
| 113 | 10.804 | 10.791 | 10.854 | VV | 45     | 1231 | 0.32% | 0.212% |  |
| 114 | 10.876 | 10.854 | 10.895 | VV | 38     | 597  | 0.16% | 0.103% |  |
| 115 | 10.906 | 10.895 | 10.928 | VV | 30     | 386  | 0.10% | 0.066% |  |
| 116 | 10.979 | 10.928 | 11.003 | VV | 27     | 806  | 0.21% | 0.138% |  |
| 117 | 11.020 | 11.003 | 11.045 | VV | 23     | 389  | 0.10% | 0.067% |  |
| 118 | 11.051 | 11.045 | 11.080 | VV | 24     | 402  | 0.11% | 0.069% |  |
| 119 | 11.097 | 11.080 | 11.119 | VV | 26     | 397  | 0.10% | 0.068% |  |
| 120 | 11.128 | 11.119 | 11.151 | VV | 19     | 221  | 0.06% | 0.038% |  |
| 121 | 11.195 | 11.151 | 11.248 | PV | 40     | 1081 | 0.28% | 0.186% |  |
| 122 | 11.256 | 11.248 | 11.266 | VV | 27     | 182  | 0.05% | 0.031% |  |
| 123 | 11.276 | 11.266 | 11.292 | VV | 29     | 257  | 0.07% | 0.044% |  |
| 124 | 11.302 | 11.292 | 11.315 | VV | 23     | 222  | 0.06% | 0.038% |  |
| 125 | 11.328 | 11.315 | 11.351 | VV | 23     | 266  | 0.07% | 0.046% |  |
| 126 | 11.369 | 11.351 | 11.381 | PV | 20     | 187  | 0.05% | 0.032% |  |
| 127 | 11.443 | 11.381 | 11.485 | VV | 41     | 1594 | 0.42% | 0.274% |  |
| 128 | 11.494 | 11.485 | 11.512 | VV | 25     | 372  | 0.10% | 0.064% |  |
| 129 | 11.522 | 11.512 | 11.552 | VV | 21     | 381  | 0.10% | 0.065% |  |
| 130 | 11.584 | 11.552 | 11.631 | VV | 31     | 839  | 0.22% | 0.144% |  |
| 131 | 11.642 | 11.631 | 11.676 | VV | 23     | 389  | 0.10% | 0.067% |  |
| 132 | 11.688 | 11.676 | 11.713 | VV | 33     | 297  | 0.08% | 0.051% |  |
| 133 | 11.722 | 11.713 | 11.736 | VV | 26     | 253  | 0.07% | 0.044% |  |
| 134 | 11.752 | 11.736 | 11.769 | VV | 18     | 270  | 0.07% | 0.046% |  |
| 135 | 11.808 | 11.769 | 11.828 | VV | 28     | 651  | 0.17% | 0.112% |  |
| 136 | 11.847 | 11.828 | 11.857 | VV | 32     | 366  | 0.10% | 0.063% |  |
| 137 | 11.869 | 11.857 | 11.876 | VV | 26     | 273  | 0.07% | 0.047% |  |
| 138 | 11.892 | 11.876 | 11.925 | VV | 34     | 708  | 0.19% | 0.122% |  |
| 139 | 11.933 | 11.925 | 11.938 | VV | 18     | 123  | 0.03% | 0.021% |  |
| 140 | 11.944 | 11.938 | 11.949 | VV | 20     | 101  | 0.03% | 0.017% |  |
| 141 | 11.973 | 11.949 | 12.010 | VV | 24     | 566  | 0.15% | 0.097% |  |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 142 | 12.035 | 12.010 | 12.063 | VV | 18     | 389   | 0.10% | 0.067% |
| 143 | 12.070 | 12.063 | 12.093 | VV | 20     | 250   | 0.07% | 0.043% |
| 144 | 12.114 | 12.093 | 12.132 | VV | 23     | 361   | 0.09% | 0.062% |
| 145 | 12.141 | 12.132 | 12.158 | VV | 22     | 210   | 0.06% | 0.036% |
| 146 | 12.172 | 12.158 | 12.193 | PV | 23     | 271   | 0.07% | 0.047% |
| 147 | 12.210 | 12.193 | 12.226 | VV | 25     | 329   | 0.09% | 0.056% |
| 148 | 12.267 | 12.226 | 12.279 | VV | 28     | 537   | 0.14% | 0.092% |
| 149 | 12.291 | 12.279 | 12.316 | VV | 35     | 454   | 0.12% | 0.078% |
| 150 | 12.326 | 12.316 | 12.356 | VV | 26     | 481   | 0.13% | 0.083% |
| 151 | 12.363 | 12.356 | 12.373 | VV | 22     | 186   | 0.05% | 0.032% |
| 152 | 12.393 | 12.373 | 12.437 | VV | 26     | 632   | 0.17% | 0.109% |
| 153 | 12.451 | 12.437 | 12.470 | VV | 26     | 195   | 0.05% | 0.034% |
| 154 | 12.477 | 12.470 | 12.509 | PV | 14     | 138   | 0.04% | 0.024% |
| 155 | 12.535 | 12.509 | 12.544 | VV | 17     | 189   | 0.05% | 0.032% |
| 156 | 12.560 | 12.544 | 12.604 | VV | 22     | 317   | 0.08% | 0.054% |
| 157 | 12.617 | 12.604 | 12.628 | VV | 12     | 108   | 0.03% | 0.019% |
| 158 | 12.641 | 12.628 | 12.660 | VV | 14     | 173   | 0.05% | 0.030% |
| 159 | 12.671 | 12.660 | 12.680 | VV | 10     | 76    | 0.02% | 0.013% |
| 160 | 12.739 | 12.680 | 12.759 | VV | 26     | 689   | 0.18% | 0.118% |
| 161 | 12.773 | 12.759 | 12.781 | VV | 28     | 244   | 0.06% | 0.042% |
| 162 | 12.788 | 12.781 | 12.796 | VV | 24     | 156   | 0.04% | 0.027% |
| 163 | 12.818 | 12.796 | 12.827 | VV | 25     | 290   | 0.08% | 0.050% |
| 164 | 12.869 | 12.827 | 12.876 | VV | 55     | 961   | 0.25% | 0.165% |
| 165 | 12.904 | 12.876 | 12.961 | VV | 66     | 2165  | 0.57% | 0.372% |
| 166 | 12.983 | 12.961 | 13.006 | VV | 50     | 751   | 0.20% | 0.129% |
| 167 | 13.029 | 13.006 | 13.039 | VV | 35     | 507   | 0.13% | 0.087% |
| 168 | 13.062 | 13.039 | 13.088 | VV | 30     | 694   | 0.18% | 0.119% |
| 169 | 13.095 | 13.088 | 13.112 | VV | 25     | 253   | 0.07% | 0.043% |
| 170 | 13.128 | 13.112 | 13.138 | VV | 17     | 203   | 0.05% | 0.035% |
| 171 | 13.203 | 13.138 | 13.266 | VV | 63     | 3000  | 0.79% | 0.515% |
| 172 | 13.271 | 13.266 | 13.318 | VV | 22     | 382   | 0.10% | 0.066% |
| 173 | 13.354 | 13.318 | 13.368 | VV | 23     | 455   | 0.12% | 0.078% |
| 174 | 13.380 | 13.368 | 13.389 | VV | 17     | 171   | 0.04% | 0.029% |
| 175 | 13.394 | 13.389 | 13.422 | VV | 15     | 208   | 0.05% | 0.036% |
| 176 | 13.433 | 13.422 | 13.441 | PV | 18     | 127   | 0.03% | 0.022% |
| 177 | 13.468 | 13.441 | 13.480 | VV | 22     | 353   | 0.09% | 0.061% |
| 178 | 13.491 | 13.480 | 13.510 | VV | 23     | 261   | 0.07% | 0.045% |
| 179 | 13.519 | 13.510 | 13.526 | VV | 21     | 160   | 0.04% | 0.027% |
| 180 | 13.535 | 13.526 | 13.567 | VV | 22     | 424   | 0.11% | 0.073% |
| 181 | 13.575 | 13.567 | 13.600 | VV | 22     | 286   | 0.07% | 0.049% |
| 182 | 13.613 | 13.600 | 13.630 | VV | 34     | 342   | 0.09% | 0.059% |
| 183 | 13.654 | 13.630 | 13.666 | VV | 32     | 382   | 0.10% | 0.066% |
| 184 | 13.678 | 13.666 | 13.688 | VV | 22     | 216   | 0.06% | 0.037% |
| 185 | 13.697 | 13.688 | 13.714 | VV | 22     | 175   | 0.05% | 0.030% |
| 186 | 13.769 | 13.714 | 13.777 | VV | 26     | 591   | 0.15% | 0.101% |
| 187 | 13.811 | 13.777 | 13.836 | VV | 47     | 945   | 0.25% | 0.162% |
| 188 | 13.858 | 13.836 | 13.866 | VV | 38     | 582   | 0.15% | 0.100% |
| 189 | 13.894 | 13.866 | 13.989 | VV | 54     | 3357  | 0.88% | 0.577% |
| 190 | 14.120 | 13.989 | 14.307 | VV | 231    | 21308 | 5.58% | 3.661% |
| 191 | 14.327 | 14.307 | 14.341 | VV | 30     | 455   | 0.12% | 0.078% |
| 192 | 14.359 | 14.341 | 14.386 | VV | 42     | 671   | 0.18% | 0.115% |
| 193 | 14.438 | 14.386 | 14.451 | VV | 35     | 910   | 0.24% | 0.156% |
| 194 | 14.469 | 14.451 | 14.496 | VV | 26     | 588   | 0.15% | 0.101% |

|                         |        |        |        |    | rteres |      |        |        |
|-------------------------|--------|--------|--------|----|--------|------|--------|--------|
| 195                     | 14.501 | 14.496 | 14.524 | VV | 23     | 290  | 0.08%  | 0.050% |
| 196                     | 14.550 | 14.524 | 14.591 | VV | 33     | 716  | 0.19%  | 0.123% |
| 197                     | 14.629 | 14.591 | 14.699 | PV | 32     | 943  | 0.25%  | 0.162% |
| 198                     | 14.749 | 14.699 | 14.764 | VV | 16     | 376  | 0.10%  | 0.065% |
| 199                     | 14.828 | 14.764 | 14.849 | VV | 34     | 784  | 0.21%  | 0.135% |
| 200                     | 15.066 | 14.849 | 15.164 | VV | 116    | 7150 | 1.87%  | 1.228% |
|                         |        |        |        |    |        |      |        |        |
| 201                     | 15.178 | 15.164 | 15.200 | VV | 31     | 414  | 0.11%  | 0.071% |
| 202                     | 15.224 | 15.200 | 15.244 | VV | 28     | 439  | 0.11%  | 0.075% |
| 203                     | 15.308 | 15.244 | 15.331 | VV | 31     | 900  | 0.24%  | 0.155% |
| 204                     | 15.369 | 15.331 | 15.385 | VV | 42     | 855  | 0.22%  | 0.147% |
| 205                     | 15.409 | 15.385 | 15.476 | VV | 41     | 1840 | 0.48%  | 0.316% |
|                         |        |        |        |    |        |      |        |        |
| 206                     | 15.496 | 15.476 | 15.517 | VV | 36     | 675  | 0.18%  | 0.116% |
| 207                     | 15.532 | 15.517 | 15.570 | VV | 29     | 739  | 0.19%  | 0.127% |
| 208                     | 15.584 | 15.570 | 15.603 | VV | 28     | 327  | 0.09%  | 0.056% |
| 209                     | 15.617 | 15.603 | 15.648 | VV | 23     | 463  | 0.12%  | 0.080% |
| 210                     | 15.673 | 15.648 | 15.696 | VV | 23     | 571  | 0.15%  | 0.098% |
|                         |        |        |        |    |        |      |        |        |
| 211                     | 15.705 | 15.696 | 15.762 | VV | 37     | 453  | 0.12%  | 0.078% |
| 212                     | 15.780 | 15.762 | 15.823 | PV | 11     | 323  | 0.08%  | 0.056% |
| 213                     | 15.850 | 15.823 | 15.876 | VV | 21     | 421  | 0.11%  | 0.072% |
| 214                     | 15.927 | 15.876 | 15.953 | VV | 33     | 845  | 0.22%  | 0.145% |
| 215                     | 15.973 | 15.953 | 16.005 | VV | 37     | 577  | 0.15%  | 0.099% |
|                         |        |        |        |    |        |      |        |        |
| 216                     | 16.019 | 16.005 | 16.093 | VV | 24     | 792  | 0.21%  | 0.136% |
| 217                     | 16.207 | 16.093 | 16.305 | VV | 86     | 4327 | 1.13%  | 0.743% |
| 218                     | 16.351 | 16.305 | 16.388 | VV | 14     | 597  | 0.16%  | 0.103% |
| 219                     | 16.428 | 16.388 | 16.464 | VV | 21     | 637  | 0.17%  | 0.109% |
| 220                     | 16.490 | 16.464 | 16.548 | VV | 24     | 634  | 0.17%  | 0.109% |
|                         |        |        |        |    |        |      |        |        |
| 221                     | 16.630 | 16.548 | 16.670 | PV | 30     | 809  | 0.21%  | 0.139% |
| 222                     | 16.678 | 16.670 | 16.703 | VV | 14     | 115  | 0.03%  | 0.020% |
| 223                     | 16.757 | 16.703 | 16.769 | PV | 18     | 363  | 0.10%  | 0.062% |
| Sum of corrected areas: |        |        |        |    |        |      | 582052 |        |

FB062325.M Sat Jul 12 00:55:14 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    | 07/08/25                |
| Project:           | South River WM Replacement | Date Received:     | 07/08/25                |
| Client Sample ID:  | TP-30                      | SDG No.:           | Q2529                   |
| Lab Sample ID:     | Q2529-10                   | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 91.4                    |
| Sample Wt/Vol:     | 5.18                       | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032083.D        | 1         | 07/10/25 21:28 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 9.00  | U         | 9.00     | 48.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 16.6  |           | 50 - 150 | 83%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032083.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 21:28  
Operator : YP/AJ  
Sample : Q2529-10  
Misc : 5.18G/5.00 ML DI WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-30

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.800 | 255714   | 16.575 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

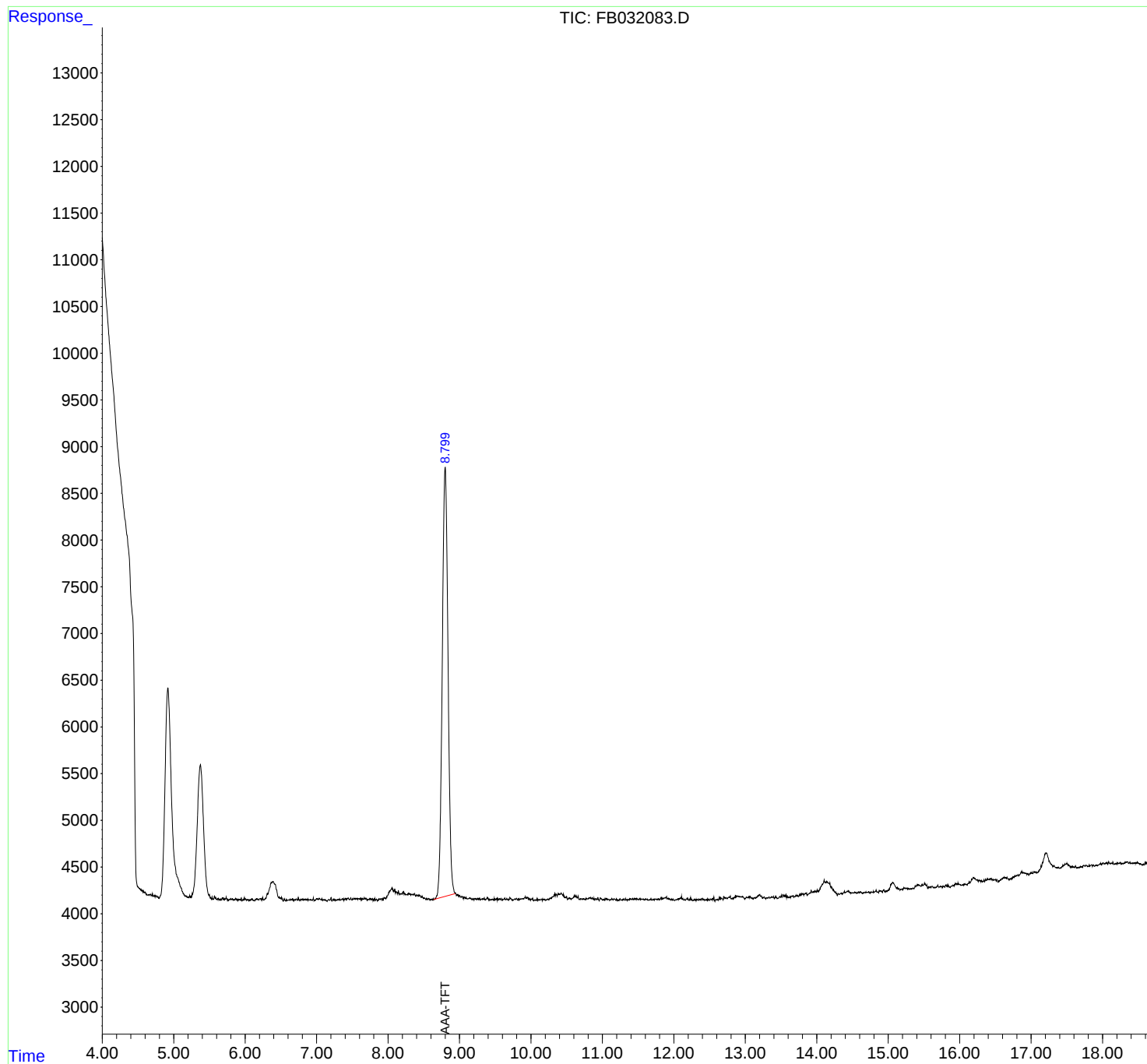
(m)=manual int.

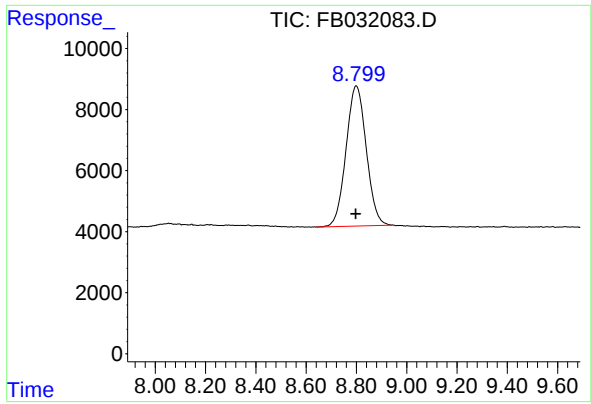
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032083.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 21:28  
Operator : YP/AJ  
Sample : Q2529-10  
Misc : 5.18G/5.00 ML DI WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
TP-30

Integration File: Calibration.e  
Quant Time: Jul 11 01:46:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.800 min  
Delta R.T.: 0.002 min  
Response: 255714  
Conc: 16.57 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
TP-30

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032083.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 21:28  
 Sample : Q2529-10  
 Misc : 5.18G/5.00 ML DI WATER  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.704       | 4.687        | 4.728      | PV       | 19             | 132          | 0.05%          | 0.030%        |
| 2         | 4.736       | 4.728        | 4.797      | VV       | 18             | 380          | 0.14%          | 0.085%        |
| 3         | 5.224       | 5.212        | 5.233      | VV       | 44             | 347          | 0.13%          | 0.077%        |
| 4         | 5.538       | 5.531        | 5.556      | VV       | 32             | 245          | 0.09%          | 0.055%        |
| 5         | 5.572       | 5.556        | 5.602      | VV       | 43             | 593          | 0.22%          | 0.132%        |
| 6         | 5.628       | 5.602        | 5.645      | VV       | 21             | 302          | 0.11%          | 0.067%        |
| 7         | 5.653       | 5.645        | 5.669      | VV       | 12             | 105          | 0.04%          | 0.023%        |
| 8         | 5.683       | 5.669        | 5.707      | VV       | 25             | 399          | 0.15%          | 0.089%        |
| 9         | 5.735       | 5.707        | 5.770      | VV       | 32             | 479          | 0.18%          | 0.107%        |
| 10        | 5.798       | 5.770        | 5.809      | PV       | 20             | 241          | 0.09%          | 0.054%        |
| 11        | 5.818       | 5.809        | 5.834      | VV       | 16             | 172          | 0.06%          | 0.038%        |
| 12        | 5.870       | 5.834        | 5.934      | VB       | 16             | 326          | 0.12%          | 0.073%        |
| 13        | 5.947       | 5.934        | 5.974      | BV       | 21             | 100          | 0.04%          | 0.022%        |
| 14        | 5.990       | 5.974        | 6.052      | VV       | 20             | 418          | 0.16%          | 0.093%        |
| 15        | 6.060       | 6.052        | 6.071      | PV       | 10             | 74           | 0.03%          | 0.016%        |
| 16        | 6.080       | 6.071        | 6.092      | VV       | 16             | 139          | 0.05%          | 0.031%        |
| 17        | 6.101       | 6.092        | 6.135      | VV       | 22             | 254          | 0.09%          | 0.057%        |
| 18        | 6.160       | 6.135        | 6.190      | PV       | 25             | 498          | 0.19%          | 0.111%        |
| 19        | 6.215       | 6.190        | 6.232      | VV       | 26             | 499          | 0.19%          | 0.111%        |
| 20        | 6.248       | 6.232        | 6.263      | VV       | 36             | 361          | 0.13%          | 0.081%        |
| 21        | 6.392       | 6.263        | 6.474      | VV       | 210            | 14619        | 5.43%          | 3.262%        |
| 22        | 6.480       | 6.474        | 6.506      | VV       | 45             | 626          | 0.23%          | 0.140%        |
| 23        | 6.512       | 6.506        | 6.533      | VV       | 37             | 320          | 0.12%          | 0.071%        |
| 24        | 6.545       | 6.533        | 6.566      | PV       | 21             | 216          | 0.08%          | 0.048%        |
| 25        | 6.575       | 6.566        | 6.581      | PV       | 17             | 72           | 0.03%          | 0.016%        |
| 26        | 6.627       | 6.581        | 6.641      | VV       | 19             | 405          | 0.15%          | 0.090%        |
| 27        | 6.660       | 6.641        | 6.681      | VV       | 19             | 321          | 0.12%          | 0.072%        |
| 28        | 6.690       | 6.681        | 6.707      | VV       | 16             | 190          | 0.07%          | 0.042%        |
| 29        | 6.718       | 6.707        | 6.733      | VV       | 24             | 270          | 0.10%          | 0.060%        |
| 30        | 6.745       | 6.733        | 6.765      | VV       | 36             | 300          | 0.11%          | 0.067%        |
| 31        | 6.784       | 6.765        | 6.817      | VV       | 23             | 490          | 0.18%          | 0.109%        |
| 32        | 6.842       | 6.817        | 6.882      | VV       | 21             | 544          | 0.20%          | 0.121%        |
| 33        | 6.888       | 6.882        | 6.899      | VV       | 16             | 147          | 0.05%          | 0.033%        |
| 34        | 6.910       | 6.899        | 6.942      | VV       | 19             | 311          | 0.12%          | 0.069%        |
| 35        | 6.955       | 6.942        | 6.977      | VV       | 31             | 315          | 0.12%          | 0.070%        |
| 36        | 7.004       | 6.977        | 7.030      | VV       | 27             | 577          | 0.21%          | 0.129%        |

|    |        |        |        |    |       |        |         |         |  |
|----|--------|--------|--------|----|-------|--------|---------|---------|--|
|    |        |        |        |    | rters |        |         |         |  |
| 37 | 7.039  | 7.030  | 7.064  | VV | 32    | 431    | 0.16%   | 0.096%  |  |
| 38 | 7.071  | 7.064  | 7.084  | VV | 24    | 181    | 0.07%   | 0.040%  |  |
| 39 | 7.093  | 7.084  | 7.142  | VV | 18    | 361    | 0.13%   | 0.081%  |  |
| 40 | 7.171  | 7.142  | 7.183  | VV | 17    | 214    | 0.08%   | 0.048%  |  |
| 41 | 7.203  | 7.183  | 7.214  | VV | 39    | 303    | 0.11%   | 0.068%  |  |
| 42 | 7.233  | 7.214  | 7.257  | PV | 22    | 280    | 0.10%   | 0.063%  |  |
| 43 | 7.269  | 7.257  | 7.279  | VV | 16    | 130    | 0.05%   | 0.029%  |  |
| 44 | 7.320  | 7.279  | 7.330  | VV | 23    | 429    | 0.16%   | 0.096%  |  |
| 45 | 7.363  | 7.330  | 7.374  | VV | 27    | 427    | 0.16%   | 0.095%  |  |
| 46 | 7.445  | 7.374  | 7.464  | VV | 31    | 1157   | 0.43%   | 0.258%  |  |
| 47 | 7.479  | 7.464  | 7.495  | VV | 34    | 378    | 0.14%   | 0.084%  |  |
| 48 | 7.504  | 7.495  | 7.510  | VV | 24    | 161    | 0.06%   | 0.036%  |  |
| 49 | 7.547  | 7.510  | 7.604  | VV | 30    | 1349   | 0.50%   | 0.301%  |  |
| 50 | 7.669  | 7.604  | 7.685  | VV | 34    | 1133   | 0.42%   | 0.253%  |  |
| 51 | 7.693  | 7.685  | 7.716  | VV | 32    | 376    | 0.14%   | 0.084%  |  |
| 52 | 7.750  | 7.716  | 7.798  | VV | 26    | 945    | 0.35%   | 0.211%  |  |
| 53 | 7.813  | 7.798  | 7.860  | VV | 26    | 472    | 0.18%   | 0.105%  |  |
| 54 | 7.949  | 7.860  | 7.969  | VV | 33    | 1442   | 0.54%   | 0.322%  |  |
| 55 | 8.055  | 7.969  | 8.086  | VV | 140   | 6552   | 2.43%   | 1.462%  |  |
| 56 | 8.094  | 8.086  | 8.169  | VV | 115   | 4722   | 1.75%   | 1.054%  |  |
| 57 | 8.210  | 8.169  | 8.270  | VV | 95    | 4706   | 1.75%   | 1.050%  |  |
| 58 | 8.288  | 8.270  | 8.388  | VV | 78    | 5094   | 1.89%   | 1.137%  |  |
| 59 | 8.405  | 8.388  | 8.534  | VV | 63    | 3978   | 1.48%   | 0.888%  |  |
| 60 | 8.568  | 8.534  | 8.648  | VV | 26    | 1333   | 0.49%   | 0.297%  |  |
| 61 | 8.800  | 8.648  | 9.113  | VV | 4644  | 269404 | 100.00% | 60.120% |  |
| 62 | 9.141  | 9.113  | 9.175  | VV | 33    | 979    | 0.36%   | 0.218%  |  |
| 63 | 9.189  | 9.175  | 9.240  | VV | 21    | 829    | 0.31%   | 0.185%  |  |
| 64 | 9.256  | 9.240  | 9.272  | VV | 29    | 402    | 0.15%   | 0.090%  |  |
| 65 | 9.282  | 9.272  | 9.297  | VV | 35    | 332    | 0.12%   | 0.074%  |  |
| 66 | 9.390  | 9.297  | 9.446  | VV | 42    | 1798   | 0.67%   | 0.401%  |  |
| 67 | 9.465  | 9.446  | 9.528  | VV | 18    | 817    | 0.30%   | 0.182%  |  |
| 68 | 9.534  | 9.528  | 9.594  | VV | 30    | 786    | 0.29%   | 0.175%  |  |
| 69 | 9.631  | 9.594  | 9.689  | VV | 27    | 985    | 0.37%   | 0.220%  |  |
| 70 | 9.708  | 9.689  | 9.754  | VV | 34    | 737    | 0.27%   | 0.165%  |  |
| 71 | 9.800  | 9.754  | 9.817  | VV | 30    | 725    | 0.27%   | 0.162%  |  |
| 72 | 9.919  | 9.817  | 10.038 | VV | 46    | 3219   | 1.19%   | 0.718%  |  |
| 73 | 10.088 | 10.038 | 10.101 | VV | 20    | 426    | 0.16%   | 0.095%  |  |
| 74 | 10.114 | 10.101 | 10.134 | VV | 17    | 270    | 0.10%   | 0.060%  |  |
| 75 | 10.146 | 10.134 | 10.209 | VV | 22    | 696    | 0.26%   | 0.155%  |  |
| 76 | 10.235 | 10.209 | 10.254 | VV | 23    | 427    | 0.16%   | 0.095%  |  |
| 77 | 10.335 | 10.254 | 10.368 | VV | 84    | 3294   | 1.22%   | 0.735%  |  |
| 78 | 10.389 | 10.368 | 10.404 | VV | 76    | 1554   | 0.58%   | 0.347%  |  |
| 79 | 10.425 | 10.404 | 10.486 | VV | 85    | 2997   | 1.11%   | 0.669%  |  |
| 80 | 10.498 | 10.486 | 10.513 | VV | 52    | 571    | 0.21%   | 0.127%  |  |
| 81 | 10.544 | 10.513 | 10.567 | VV | 34    | 864    | 0.32%   | 0.193%  |  |
| 82 | 10.632 | 10.567 | 10.649 | VV | 53    | 1974   | 0.73%   | 0.440%  |  |
| 83 | 10.660 | 10.649 | 10.686 | VV | 52    | 668    | 0.25%   | 0.149%  |  |
| 84 | 10.729 | 10.686 | 10.755 | VV | 25    | 884    | 0.33%   | 0.197%  |  |
| 85 | 10.831 | 10.755 | 10.855 | VV | 39    | 1602   | 0.59%   | 0.357%  |  |
| 86 | 10.860 | 10.855 | 10.921 | VV | 38    | 858    | 0.32%   | 0.191%  |  |
| 87 | 10.937 | 10.921 | 10.958 | VV | 38    | 456    | 0.17%   | 0.102%  |  |
| 88 | 10.974 | 10.958 | 11.035 | VV | 33    | 831    | 0.31%   | 0.185%  |  |
| 89 | 11.050 | 11.035 | 11.102 | VV | 31    | 727    | 0.27%   | 0.162%  |  |

|     |        |        |        |    |        |       |       |        |
|-----|--------|--------|--------|----|--------|-------|-------|--------|
|     |        |        |        |    | rteres |       |       |        |
| 90  | 11.134 | 11.102 | 11.150 | VV | 29     | 473   | 0.18% | 0.106% |
| 91  | 11.165 | 11.150 | 11.189 | VV | 26     | 404   | 0.15% | 0.090% |
| 92  | 11.200 | 11.189 | 11.223 | VV | 19     | 250   | 0.09% | 0.056% |
| 93  | 11.247 | 11.223 | 11.283 | VV | 27     | 480   | 0.18% | 0.107% |
| 94  | 11.327 | 11.283 | 11.349 | VV | 20     | 568   | 0.21% | 0.127% |
| 95  | 11.391 | 11.349 | 11.409 | VV | 23     | 610   | 0.23% | 0.136% |
| 96  | 11.422 | 11.409 | 11.515 | VV | 22     | 1292  | 0.48% | 0.288% |
| 97  | 11.526 | 11.515 | 11.587 | VV | 28     | 825   | 0.31% | 0.184% |
| 98  | 11.612 | 11.587 | 11.646 | VV | 19     | 552   | 0.20% | 0.123% |
| 99  | 11.681 | 11.646 | 11.773 | VV | 24     | 1232  | 0.46% | 0.275% |
| 100 | 11.893 | 11.773 | 12.008 | VV | 42     | 3265  | 1.21% | 0.729% |
| 101 | 12.104 | 12.008 | 12.162 | VV | 41     | 1787  | 0.66% | 0.399% |
| 102 | 12.188 | 12.162 | 12.213 | VV | 20     | 577   | 0.21% | 0.129% |
| 103 | 12.235 | 12.213 | 12.267 | VV | 36     | 525   | 0.19% | 0.117% |
| 104 | 12.296 | 12.267 | 12.339 | VV | 18     | 518   | 0.19% | 0.116% |
| 105 | 12.398 | 12.339 | 12.440 | VV | 29     | 1023  | 0.38% | 0.228% |
| 106 | 12.454 | 12.440 | 12.468 | VV | 16     | 206   | 0.08% | 0.046% |
| 107 | 12.476 | 12.468 | 12.575 | VV | 21     | 1085  | 0.40% | 0.242% |
| 108 | 12.615 | 12.575 | 12.623 | PV | 19     | 368   | 0.14% | 0.082% |
| 109 | 12.640 | 12.623 | 12.691 | VV | 30     | 901   | 0.33% | 0.201% |
| 110 | 12.710 | 12.691 | 12.747 | VV | 34     | 903   | 0.34% | 0.201% |
| 111 | 12.786 | 12.747 | 12.825 | VV | 35     | 1247  | 0.46% | 0.278% |
| 112 | 12.864 | 12.825 | 12.958 | VV | 49     | 2708  | 1.01% | 0.604% |
| 113 | 12.963 | 12.958 | 12.992 | VV | 37     | 497   | 0.18% | 0.111% |
| 114 | 13.067 | 12.992 | 13.109 | VV | 36     | 1399  | 0.52% | 0.312% |
| 115 | 13.202 | 13.109 | 13.247 | VV | 51     | 2033  | 0.75% | 0.454% |
| 116 | 13.264 | 13.247 | 13.284 | VV | 23     | 290   | 0.11% | 0.065% |
| 117 | 13.332 | 13.284 | 13.347 | VV | 19     | 370   | 0.14% | 0.083% |
| 118 | 13.369 | 13.347 | 13.408 | VV | 22     | 454   | 0.17% | 0.101% |
| 119 | 13.427 | 13.408 | 13.454 | VV | 26     | 227   | 0.08% | 0.051% |
| 120 | 13.528 | 13.454 | 13.610 | PV | 38     | 1514  | 0.56% | 0.338% |
| 121 | 13.667 | 13.610 | 13.682 | VV | 18     | 455   | 0.17% | 0.102% |
| 122 | 13.726 | 13.682 | 13.741 | VV | 19     | 515   | 0.19% | 0.115% |
| 123 | 13.801 | 13.741 | 13.820 | VV | 35     | 1215  | 0.45% | 0.271% |
| 124 | 13.847 | 13.820 | 13.871 | VV | 40     | 948   | 0.35% | 0.212% |
| 125 | 14.105 | 13.871 | 14.128 | VV | 168    | 11450 | 4.25% | 2.555% |
| 126 | 14.144 | 14.128 | 14.289 | VV | 148    | 8301  | 3.08% | 1.852% |
| 127 | 14.340 | 14.289 | 14.361 | PV | 18     | 603   | 0.22% | 0.134% |
| 128 | 14.443 | 14.361 | 14.506 | VV | 37     | 2173  | 0.81% | 0.485% |
| 129 | 14.535 | 14.506 | 14.564 | VV | 20     | 546   | 0.20% | 0.122% |
| 130 | 14.585 | 14.564 | 14.594 | VV | 19     | 268   | 0.10% | 0.060% |
| 131 | 14.608 | 14.594 | 14.645 | VV | 24     | 404   | 0.15% | 0.090% |
| 132 | 14.729 | 14.645 | 14.744 | VV | 19     | 623   | 0.23% | 0.139% |
| 133 | 14.831 | 14.744 | 14.868 | PV | 21     | 688   | 0.26% | 0.154% |
| 134 | 14.894 | 14.868 | 14.917 | VV | 16     | 392   | 0.15% | 0.087% |
| 135 | 14.936 | 14.917 | 14.979 | VV | 24     | 413   | 0.15% | 0.092% |
| 136 | 15.063 | 14.979 | 15.168 | VV | 99     | 5206  | 1.93% | 1.162% |
| 137 | 15.418 | 15.168 | 15.463 | VV | 48     | 4519  | 1.68% | 1.008% |
| 138 | 15.475 | 15.463 | 15.485 | VV | 56     | 607   | 0.23% | 0.136% |
| 139 | 15.512 | 15.485 | 15.573 | VV | 53     | 1888  | 0.70% | 0.421% |
| 140 | 15.615 | 15.573 | 15.653 | VV | 25     | 752   | 0.28% | 0.168% |
| 141 | 15.695 | 15.653 | 15.789 | VV | 28     | 1071  | 0.40% | 0.239% |

|                         |        |        |        |    | rterres |      |        |        |
|-------------------------|--------|--------|--------|----|---------|------|--------|--------|
| 142                     | 15.808 | 15.789 | 15.822 | VV | 31      | 343  | 0.13%  | 0.076% |
| 143                     | 15.841 | 15.822 | 15.870 | VV | 23      | 292  | 0.11%  | 0.065% |
| 144                     | 15.982 | 15.870 | 16.031 | PV | 30      | 1767 | 0.66%  | 0.394% |
| 145                     | 16.074 | 16.031 | 16.109 | VV | 19      | 519  | 0.19%  | 0.116% |
|                         |        |        |        |    |         |      |        |        |
| 146                     | 16.194 | 16.109 | 16.318 | VV | 78      | 5382 | 2.00%  | 1.201% |
| 147                     | 16.434 | 16.318 | 16.478 | VV | 47      | 3242 | 1.20%  | 0.723% |
| 148                     | 16.522 | 16.478 | 16.540 | VV | 31      | 772  | 0.29%  | 0.172% |
| 149                     | 16.630 | 16.540 | 16.698 | PV | 29      | 1729 | 0.64%  | 0.386% |
| Sum of corrected areas: |        |        |        |    |         |      | 448114 |        |



# CALIBRATION SUMMARY

**GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY**

Lab Name: Alliance

Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE

SDG No.: Q2529

| Calibration Sequence : FB062325 |            | Test : Gasoline Range Organics |                |
|---------------------------------|------------|--------------------------------|----------------|
| Concentration (PPB)             | Area Count | Reference Factor               | File ID        |
| 45                              | 1490557    | 33123                          | FB031909.D     |
| 90                              | 2566530    | 28517                          | FB031910.D     |
| 180                             | 5166210    | 28701                          | FB031911.D     |
| 450                             | 12609856   | 28022                          | FB031912.D     |
| 900                             | 27368301   | 30409                          | FB031913.D     |
| AVG RF : 29754                  |            | % RSD : 7.013                  | AVG RT : 8.798 |

**GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY**

**20 PPB GRO STD**

Lab Name: Alliane Contract: CAMP02  
ProjectID: South River WM Replacement  
Lab Code: ACE SDG No.: Q2529  
DataFile: FB032059.D Analyst Name: YP/AJ Analyst Date: 07-10-2025

| Conc. (PPB) | Area Count | RF    | Average RF | %D     |
|-------------|------------|-------|------------|--------|
| 180         | 4467208    | 24818 | 29754      | 16.589 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032059.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 9:08  
 Operator : YP/AJ  
 Sample : 20 PPB GRO STD  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 20 PPB GRO STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/11/2025  
 Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e  
 Quant Time: Jul 11 01:43:56 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

| Compound                     | R.T.   | Response | Conc Units    |
|------------------------------|--------|----------|---------------|
| -----                        |        |          |               |
| System Monitoring Compounds  |        |          |               |
| 5) s AAA-TFT                 | 8.796  | 265111   | 17.184 ng/ml  |
| Target Compounds             |        |          |               |
| 1) t 2-Methylpentane         | 4.712  | 579822   | 22.791 ng/ml  |
| 2) t 2,2,4-Trimethylpentane  | 7.424  | 754241   | 27.968 ng/ml  |
| 3) t n-Heptane               | 7.756  | 197600   | 7.919 ng/ml   |
| 4) t Benzene                 | 7.892  | 286578   | 8.429 ng/mlm  |
| 6) t Toluene                 | 10.624 | 879797   | 24.604 ng/ml  |
| 7) t Ethylbenzene            | 13.060 | 262837   | 8.324 ng/ml   |
| 8) t m-Xylene                | 13.194 | 540852   | 16.489 ng/ml  |
| 9) t O-Xylene                | 13.921 | 534877   | 17.233 ng/ml  |
| 10) t 1,2,4-Trimethylbenzene | 16.195 | 430604   | 16.286 ng/mlm |
| -----                        |        |          |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032059.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 9:08  
Operator : YP/AJ  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

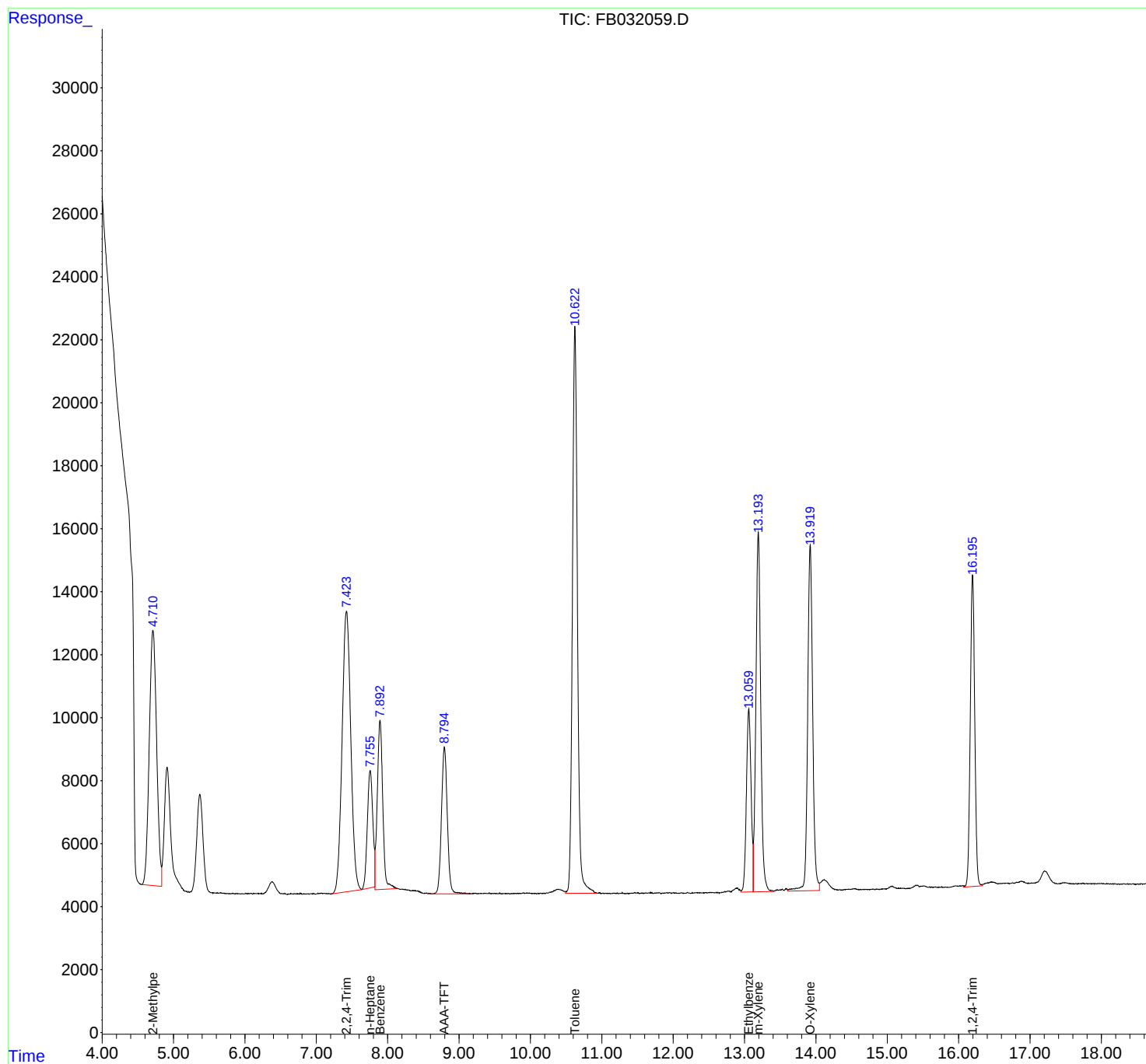
Instrument :  
FID\_B  
ClientSampleId :  
20 PPB GRO STD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/11/2025  
Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e  
Quant Time: Jul 11 01:43:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Instrument :

FID\_B

LabSampleId :

20 PPB GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/11/2025

Supervised By :mohammad ahmed 07/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB07102  
Data File : FB032059.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 9:08  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.712       | 4.560        | 4.833      | PV       | 8100           | 579822       | 65.90%         | 12.323%       |
| 2         | 7.424       | 7.209        | 7.636      | PV       | 8906           | 754241       | 85.73%         | 16.030%       |
| 3         | 7.756       | 7.636        | 7.822      | PV       | 3726           | 197600       | 22.46%         | 4.200%        |
| 4         | 7.893       | 7.822        | 8.008      | VV       | 5251           | 266557       | 30.30%         | 5.665%        |
| 5         | 8.796       | 8.564        | 9.141      | PB       | 4658           | 265111       | 30.13%         | 5.634%        |
| 6         | 10.624      | 10.491       | 10.940     | VV       | 17998          | 879797       | 100.00%        | 18.698%       |
| 7         | 13.060      | 12.948       | 13.122     | VV       | 5815           | 262837       | 29.87%         | 5.586%        |
| 8         | 13.194      | 13.122       | 13.408     | VV       | 11395          | 540852       | 61.47%         | 11.495%       |
| 9         | 13.921      | 13.605       | 14.051     | VV       | 10972          | 534877       | 60.80%         | 11.368%       |
| 10        | 16.196      | 15.732       | 16.315     | BV       | 9857           | 423528       | 48.14%         | 9.001%        |

Sum of corrected areas: 4705222

FB062325.M Fri Jul 11 02:27:10 2025

**GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY**

**20 PPB GRO STD**

Lab Name: Alliane Contract: CAMP02  
ProjectID: South River WM Replacement  
Lab Code: ACE SDG No.: Q2529  
DataFile: FB032071.D Analyst Name: YP/AJ Analyst Date: 07-10-2025

| Conc. (PPB) | Area Count | RF    | Average RF | %D   |
|-------------|------------|-------|------------|------|
| 180         | 4595160    | 25529 | 29754      | 14.2 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032071.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 15:22  
 Operator : YP/AJ  
 Sample : 20 PPB GRO STD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 20 PPB GRO STD

Integration File: Calibration.e  
 Quant Time: Jul 11 01:45:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

| Compound                     | R.T.   | Response | Conc Units   |
|------------------------------|--------|----------|--------------|
| -----                        |        |          |              |
| System Monitoring Compounds  |        |          |              |
| 5) s AAA-TFT                 | 8.800  | 302880   | 19.632 ng/ml |
| Target Compounds             |        |          |              |
| 1) t 2-Methylpentane         | 4.714  | 566153   | 22.254 ng/ml |
| 2) t 2,2,4-Trimethylpentane  | 7.429  | 757583   | 28.092 ng/ml |
| 3) t n-Heptane               | 7.760  | 212686   | 8.524 ng/ml  |
| 4) t Benzene                 | 7.898  | 307357   | 9.040 ng/ml  |
| 6) t Toluene                 | 10.628 | 913534   | 25.548 ng/ml |
| 7) t Ethylbenzene            | 13.063 | 272382   | 8.626 ng/ml  |
| 8) t m-Xylene                | 13.197 | 566607   | 17.275 ng/ml |
| 9) t O-Xylene                | 13.924 | 539793   | 17.392 ng/ml |
| 10) t 1,2,4-Trimethylbenzene | 16.199 | 459065   | 17.362 ng/ml |
| -----                        |        |          |              |

(f)=RT Delta > 1/2 Window

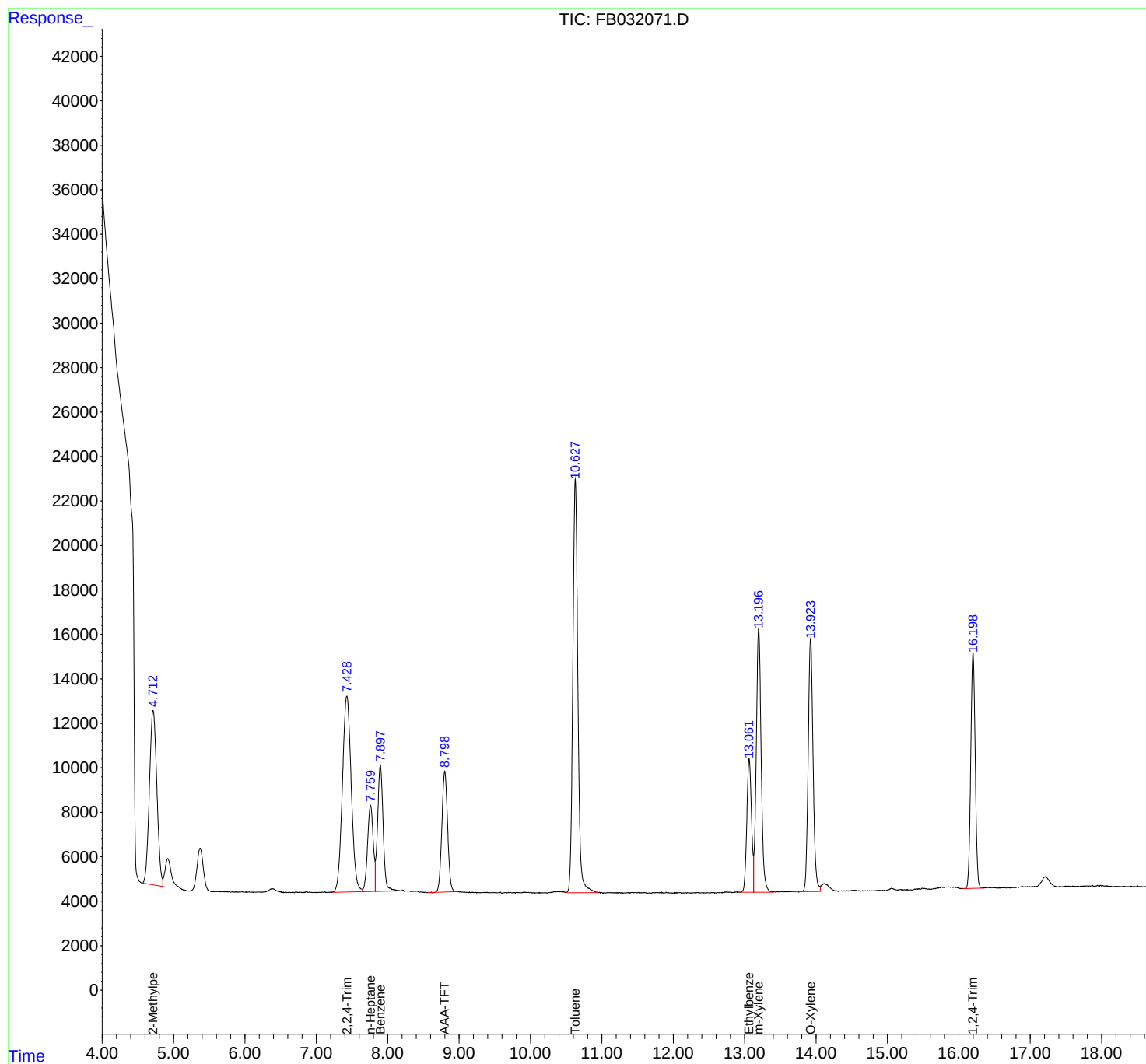
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032071.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 15:22  
Operator : YP/AJ  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
20 PPB GRO STD

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032071.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 15:22  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.714       | 4.559        | 4.849      | BV       | 7846           | 566153       | 61.97%         | 11.559%       |
| 2         | 7.429       | 7.223        | 7.649      | PV       | 8813           | 757583       | 82.93%         | 15.467%       |
| 3         | 7.760       | 7.649        | 7.825      | VV       | 3887           | 212686       | 23.28%         | 4.342%        |
| 4         | 7.898       | 7.825        | 8.181      | VV       | 5673           | 307357       | 33.64%         | 6.275%        |
| 5         | 8.800       | 8.559        | 8.968      | BV       | 5439           | 302880       | 33.15%         | 6.184%        |
| 6         | 10.628      | 10.497       | 10.953     | VV       | 18587          | 913534       | 100.00%        | 18.651%       |
| 7         | 13.063      | 12.929       | 13.125     | BV       | 6008           | 272382       | 29.82%         | 5.561%        |
| 8         | 13.197      | 13.125       | 13.399     | VV       | 11843          | 566607       | 62.02%         | 11.568%       |
| 9         | 13.924      | 13.667       | 14.059     | BV       | 11368          | 539793       | 59.09%         | 11.021%       |
| 10        | 16.199      | 16.052       | 16.344     | BV       | 10601          | 459065       | 50.25%         | 9.372%        |

Sum of corrected areas: 4898038

FB062325.M Fri Jul 11 02:29:08 2025

**GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY**

**20 PPB GRO STD**

Lab Name: Alliane Contract: CAMP02  
ProjectID: South River WM Replacement  
Lab Code: ACE SDG No.: Q2529  
DataFile: FB032085.D Analyst Name: YP/AJ Analyst Date: 07-10-2025

| Conc. (PPB) | Area Count | RF    | Average RF | %D     |
|-------------|------------|-------|------------|--------|
| 180         | 4594906    | 25527 | 29754      | 14.206 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032085.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 23:17  
 Operator : YP/AJ  
 Sample : 20 PPB GRO STD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 20 PPB GRO STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/11/2025  
 Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e  
 Quant Time: Jul 11 01:47:16 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

| Compound                     | R.T.   | Response | Conc Units   |
|------------------------------|--------|----------|--------------|
| -----                        |        |          |              |
| System Monitoring Compounds  |        |          |              |
| 5) s AAA-TFT                 | 8.799  | 295338   | 19.143 ng/ml |
| Target Compounds             |        |          |              |
| 1) t 2-Methylpentane         | 4.715  | 602184   | 23.670 ng/ml |
| 2) t 2,2,4-Trimethylpentane  | 7.429  | 768778   | 28.507 ng/ml |
| 3) t n-Heptane               | 7.758  | 221493   | 8.877 ng/ml  |
| 4) t Benzene                 | 7.897  | 298852   | 8.790 ng/ml  |
| 6) t Toluene                 | 10.628 | 903417   | 25.265 ng/ml |
| 7) t Ethylbenzene            | 13.064 | 267019   | 8.456 ng/ml  |
| 8) t m-Xylene                | 13.197 | 556300   | 16.960 ng/ml |
| 9) t O-Xylene                | 13.923 | 531776   | 17.133 ng/ml |
| 10) t 1,2,4-Trimethylbenzene | 16.199 | 445087   | 16.833 ng/ml |
| -----                        |        |          |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032085.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 23:17  
Operator : YP/AJ  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

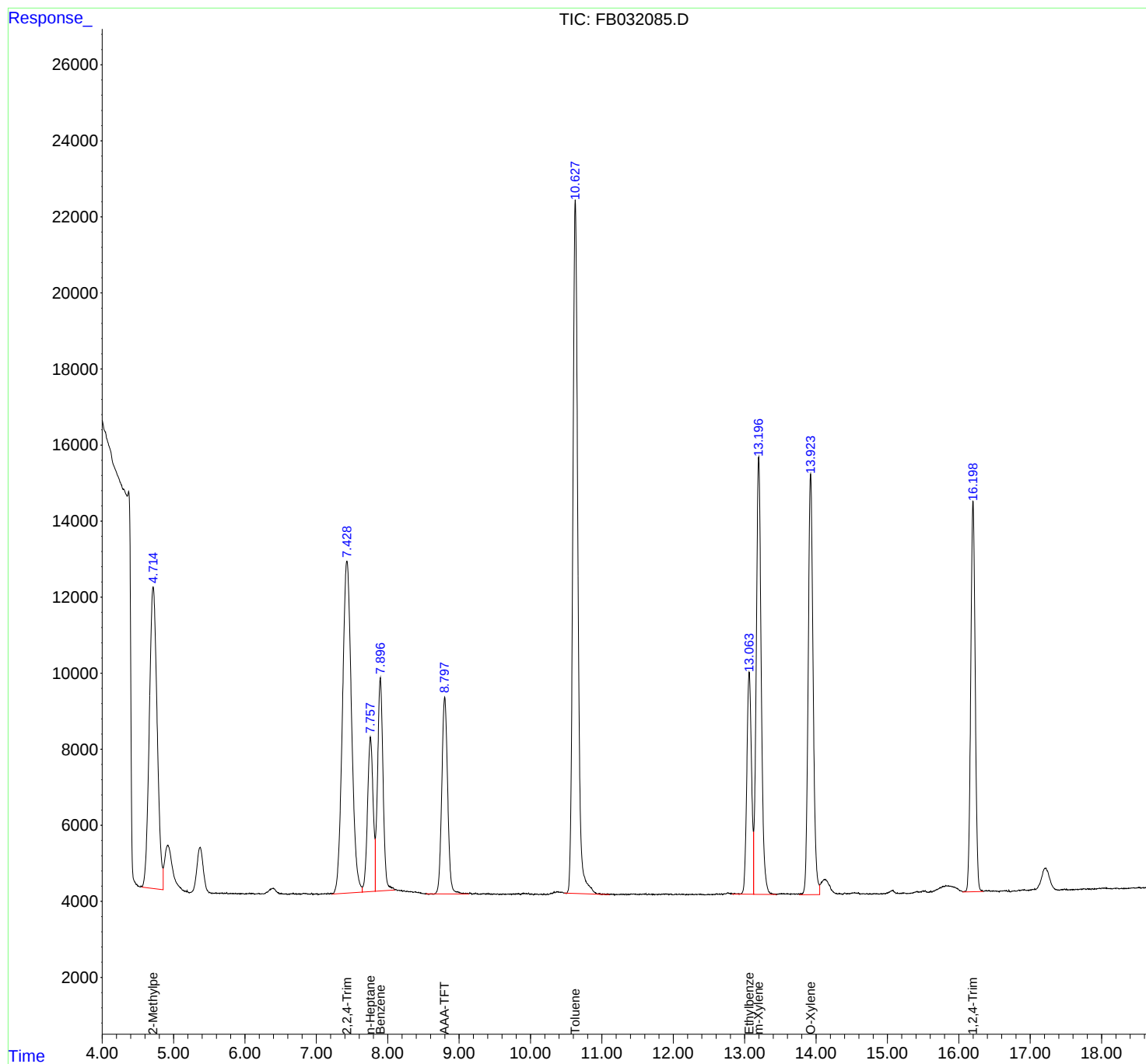
Instrument :  
FID\_B  
ClientSampleId :  
20 PPB GRO STD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/11/2025  
Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e  
Quant Time: Jul 11 01:47:16 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Instrument :

FID\_B

LabSampleId :

20 PPB GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/11/2025

Supervised By :mohammad ahmed 07/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB07102  
Data File : FB032085.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 23:17  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.715       | 4.558        | 4.855      | VV       | 7934           | 602184       | 66.66%         | 12.315%       |
| 2         | 7.429       | 7.217        | 7.643      | PV       | 8733           | 768778       | 85.10%         | 15.722%       |
| 3         | 7.758       | 7.643        | 7.825      | VV       | 4060           | 221493       | 24.52%         | 4.530%        |
| 4         | 7.897       | 7.825        | 8.100      | VV       | 5597           | 298852       | 33.08%         | 6.112%        |
| 5         | 8.799       | 8.540        | 9.135      | BV       | 5176           | 295338       | 32.69%         | 6.040%        |
| 6         | 10.628      | 10.477       | 11.106     | BV       | 18223          | 903417       | 100.00%        | 18.475%       |
| 7         | 13.064      | 12.826       | 13.125     | BV       | 5843           | 267019       | 29.56%         | 5.461%        |
| 8         | 13.197      | 13.125       | 13.449     | VB       | 11497          | 556300       | 61.58%         | 11.376%       |
| 9         | 13.924      | 13.474       | 14.051     | BV       | 11044          | 531462       | 58.83%         | 10.868%       |
| 10        | 16.199      | 16.055       | 16.344     | VV       | 10274          | 445087       | 49.27%         | 9.102%        |

Sum of corrected areas: 4889930

FB062325.M Fri Jul 11 02:32:35 2025

**GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY**

**20 PPB GRO STD**

Lab Name: Alliane Contract: CAMP02  
ProjectID: South River WM Replacement  
Lab Code: ACE SDG No.: Q2529  
DataFile: FB032086.D Analyst Name: YP/AJ Analyst Date: 07-11-2025

| Conc. (PPB) | Area Count | RF    | Average RF | %D    |
|-------------|------------|-------|------------|-------|
| 180         | 4417424    | 24541 | 29754      | 17.52 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
 Data File : FB032086.D  
 Signal(s) : FID2B.CH  
 Acq On : 11 Jul 2025 9:30  
 Operator : YP/AJ  
 Sample : 20 PPB GRO STD  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 20 PPB GRO STD

Integration File: Calibration.e  
 Quant Time: Jul 11 23:49:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

|                             | Compound               | R.T.   | Response | Conc Units   |
|-----------------------------|------------------------|--------|----------|--------------|
| -----                       |                        |        |          |              |
| System Monitoring Compounds |                        |        |          |              |
| 5) s                        | AAA-TFT                | 8.794  | 296291   | 19.205 ng/ml |
| Target Compounds            |                        |        |          |              |
| 1) t                        | 2-Methylpentane        | 4.710  | 554342   | 21.790 ng/ml |
| 2) t                        | 2,2,4-Trimethylpentane | 7.419  | 719191   | 26.668 ng/ml |
| 3) t                        | n-Heptane              | 7.754  | 198436   | 7.953 ng/ml  |
| 4) t                        | Benzene                | 7.892  | 292207   | 8.594 ng/ml  |
| 6) t                        | Toluene                | 10.623 | 864693   | 24.182 ng/ml |
| 7) t                        | Ethylbenzene           | 13.059 | 261478   | 8.281 ng/ml  |
| 8) t                        | m-Xylene               | 13.192 | 545570   | 16.633 ng/ml |
| 9) t                        | O-Xylene               | 13.919 | 541563   | 17.449 ng/ml |
| 10) t                       | 1,2,4-Trimethylbenzene | 16.194 | 439944   | 16.639 ng/ml |
| -----                       |                        |        |          |              |

(f)=RT Delta > 1/2 Window

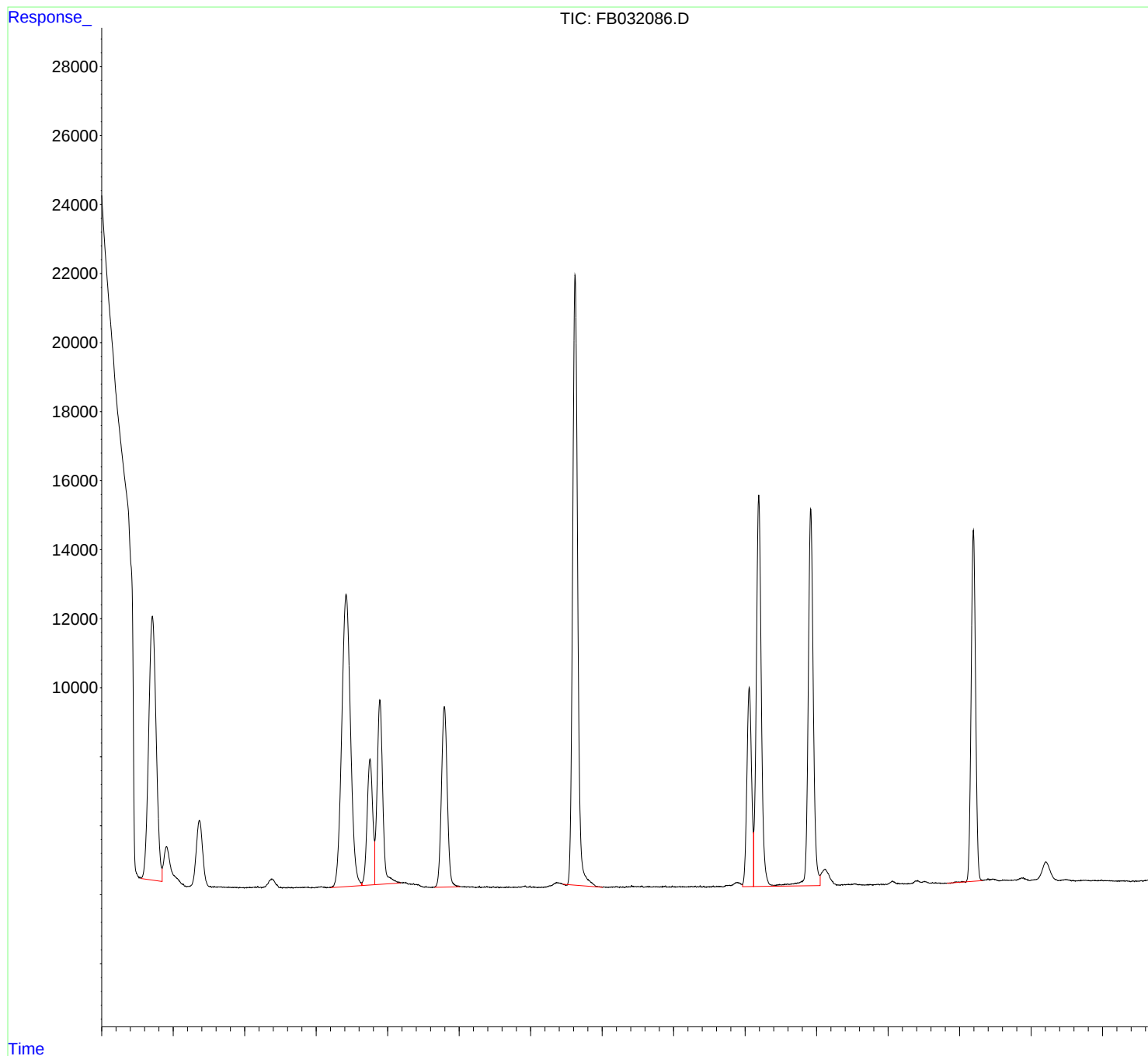
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032086.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 9:30  
Operator : YP/AJ  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
20 PPB GRO STD

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032086.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 9:30  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.710       | 4.549        | 4.846      | PV       | 7648           | 554342       | 77.08%         | 14.402%       |
| 2                       | 7.419       | 7.204        | 7.639      | PV       | 8469           | 719191       | 100.00%        | 18.685%       |
| 3                       | 7.754       | 7.639        | 7.820      | VV       | 3650           | 198436       | 27.59%         | 5.155%        |
| 4                       | 7.892       | 7.820        | 8.181      | VV       | 5344           | 292207       | 40.63%         | 7.592%        |
| 5                       | 8.794       | 8.655        | 9.010      | PV       | 5235           | 296291       | 41.20%         | 7.698%        |
| 6                       | 13.059      | 12.965       | 13.119     | VV       | 5768           | 261478       | 36.36%         | 6.793%        |
| 7                       | 13.192      | 13.119       | 13.399     | VV       | 11331          | 545570       | 75.86%         | 14.174%       |
| 8                       | 13.919      | 13.399       | 14.051     | VV       | 10918          | 541563       | 75.30%         | 14.070%       |
| 9                       | 16.194      | 15.826       | 16.319     | BV       | 10168          | 439944       | 61.17%         | 11.430%       |
| Sum of corrected areas: |             |              |            |          |                |              | 3849023        |               |

FB062325.M Sat Jul 12 00:50:38 2025

**GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY**

**20 PPB GRO STD**

Lab Name: Alliane Contract: CAMP02  
ProjectID: South River WM Replacement  
Lab Code: ACE SDG No.: Q2529  
DataFile: FB032097.D Analyst Name: YP/AJ Analyst Date: 07-11-2025

| Conc. (PPB) | Area Count | RF    | Average RF | %D     |
|-------------|------------|-------|------------|--------|
| 180         | 4631728    | 25732 | 29754      | 13.518 |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
 Data File : FB032097.D  
 Signal(s) : FID2B.CH  
 Acq On : 11 Jul 2025 15:03  
 Operator : YP/AJ  
 Sample : 20 PPB GRO STD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 20 PPB GRO STD

Integration File: Calibration.e  
 Quant Time: Jul 11 14:51:46 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

|                             | Compound               | R.T.   | Response | Conc Units   |
|-----------------------------|------------------------|--------|----------|--------------|
| -----                       |                        |        |          |              |
| System Monitoring Compounds |                        |        |          |              |
| 5) s                        | AAA-TFT                | 8.801  | 333067   | 21.589 ng/ml |
| Target Compounds            |                        |        |          |              |
| 1) t                        | 2-Methylpentane        | 4.715  | 566099   | 22.252 ng/ml |
| 2) t                        | 2,2,4-Trimethylpentane | 7.431  | 751406   | 27.863 ng/ml |
| 3) t                        | n-Heptane              | 7.760  | 212128   | 8.502 ng/ml  |
| 4) t                        | Benzene                | 7.898  | 312016   | 9.177 ng/ml  |
| 6) t                        | Toluene                | 10.629 | 927198   | 25.930 ng/ml |
| 7) t                        | Ethylbenzene           | 13.065 | 275928   | 8.738 ng/ml  |
| 8) t                        | m-Xylene               | 13.198 | 574228   | 17.507 ng/ml |
| 9) t                        | O-Xylene               | 13.925 | 547482   | 17.639 ng/ml |
| 10) t                       | 1,2,4-Trimethylbenzene | 16.200 | 465243   | 17.596 ng/ml |
| -----                       |                        |        |          |              |

(f)=RT Delta > 1/2 Window

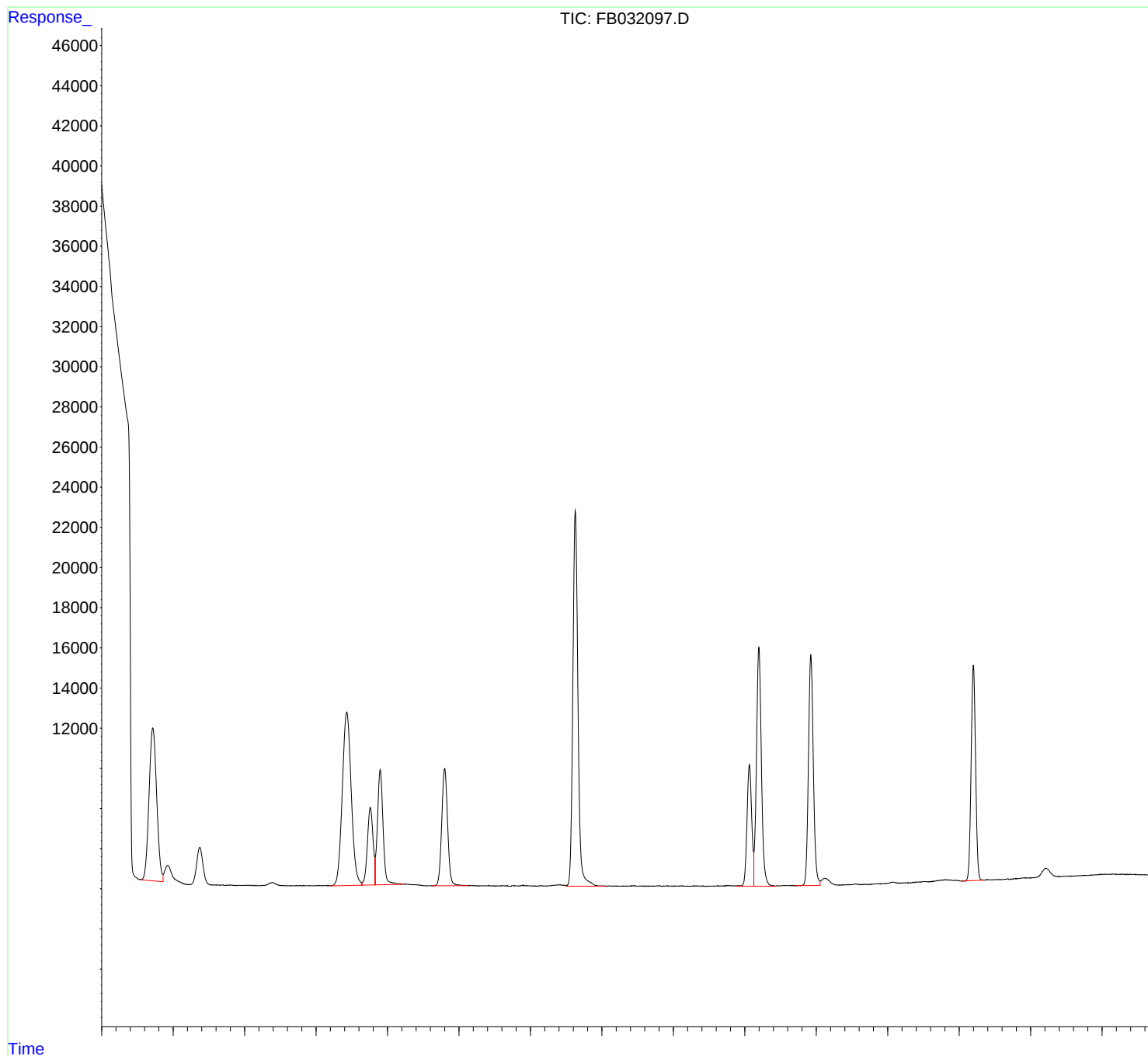
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032097.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 15:03  
Operator : YP/AJ  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
20 PPB GRO STD

Integration File: Calibration.e  
Quant Time: Jul 11 14:51:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032097.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 15:03  
Sample : 20 PPB GRO STD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.715       | 4.561        | 4.859      | PV       | 7616           | 566099       | 61.05%         | 11.402%       |
| 2         | 7.431       | 7.201        | 7.641      | PV       | 8638           | 751406       | 81.04%         | 15.135%       |
| 3         | 7.760       | 7.641        | 7.826      | VV       | 3868           | 212128       | 22.88%         | 4.273%        |
| 4         | 7.898       | 7.826        | 8.217      | VV       | 5733           | 312016       | 33.65%         | 6.285%        |
| 5         | 8.801       | 8.612        | 9.132      | BB       | 5843           | 333067       | 35.92%         | 6.709%        |
| 6         | 10.629      | 10.494       | 11.047     | VV       | 18670          | 927198       | 100.00%        | 18.675%       |
| 7         | 13.065      | 12.876       | 13.126     | VV       | 6053           | 275928       | 29.76%         | 5.558%        |
| 8         | 13.198      | 13.126       | 13.433     | VV       | 11881          | 574228       | 61.93%         | 11.566%       |
| 9         | 13.925      | 13.700       | 14.053     | BV       | 11452          | 547482       | 59.05%         | 11.027%       |
| 10        | 16.200      | 16.035       | 16.344     | BV       | 10728          | 465243       | 50.18%         | 9.371%        |

Sum of corrected areas: 4964794

FB062325.M Sat Jul 12 00:52:44 2025

### Analytical Sequence

Client: CDM Smith

SDG No.: Q2529

Project: South River WM Replacement

Instrument ID: FID\_B

GC Column: RTX-502.2 ID: 0.53 (mm)

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

| MEAN SUROGATE RT FROM INITIAL CALIBRATION |                  |                           |            |       | 8.798 |
|-------------------------------------------|------------------|---------------------------|------------|-------|-------|
| CLIENT<br>SAMPLE NO.                      | LAB<br>SAMPLE ID | DATE AND TIME<br>ANALYZED | DATAFILE   | RT    | #     |
| 20 PPB GRO STD                            | 20 PPB GRO STD   | 10 Jul 2025 9:08          | FB032059.D | 8.796 |       |
| VBF0710S1                                 | VBF0710S1        | 10 Jul 2025 9:50          | FB032060.D | 8.797 |       |
| BSF0710S1                                 | BSF0710S1        | 10 Jul 2025 10:45         | FB032062.D | 8.798 |       |
| BSF0710S2                                 | BSF0710S2        | 10 Jul 2025 14:54         | FB032070.D | 8.799 |       |
| 20 PPB GRO STD                            | 20 PPB GRO STD   | 10 Jul 2025 15:22         | FB032071.D | 8.800 |       |
| TP-91                                     | Q2529-01         | 10 Jul 2025 17:20         | FB032074.D | 8.801 |       |
| TP-80                                     | Q2529-02         | 10 Jul 2025 17:48         | FB032075.D | 8.802 |       |
| TP-95                                     | Q2529-04         | 10 Jul 2025 18:43         | FB032077.D | 8.801 |       |
| TP-98                                     | Q2529-05         | 10 Jul 2025 19:10         | FB032078.D | 8.801 |       |
| TP-101                                    | Q2529-07         | 10 Jul 2025 20:05         | FB032080.D | 8.801 |       |
| TP-30                                     | Q2529-10         | 10 Jul 2025 21:28         | FB032083.D | 8.800 |       |
| 20 PPB GRO STD                            | 20 PPB GRO STD   | 10 Jul 2025 23:17         | FB032085.D | 8.799 |       |
| 20 PPB GRO STD                            | 20 PPB GRO STD   | 11 Jul 2025 9:30          | FB032086.D | 8.794 |       |
| VBF0711S1                                 | VBF0711S1        | 11 Jul 2025 10:11         | FB032087.D | 8.797 |       |
| VBF0711S2                                 | VBF0711S2        | 11 Jul 2025 10:39         | FB032088.D | 8.797 |       |
| BSF0711S1                                 | BSF0711S1        | 11 Jul 2025 11:06         | FB032089.D | 8.798 |       |
| TP-79                                     | Q2529-03         | 11 Jul 2025 11:50         | FB032090.D | 8.797 |       |
| TP-33                                     | Q2529-09         | 11 Jul 2025 13:13         | FB032093.D | 8.798 |       |
| TP-102                                    | Q2529-06         | 11 Jul 2025 13:40         | FB032094.D | 8.799 |       |
| TP-89                                     | Q2529-08         | 11 Jul 2025 14:08         | FB032095.D | 8.797 |       |
| 20 PPB GRO STD                            | 20 PPB GRO STD   | 11 Jul 2025 15:03         | FB032097.D | 8.801 |       |



# QC SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | VBF0710S1                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | VBF0710S1                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |               |               |
|-------------------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB032060.D        | 1         | 07/10/25 9:50 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 8.00  | U         | 8.00     | 45.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 18.4  |           | 50 - 150 | 92%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032060.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 9:50  
Operator : YP/AJ  
Sample : VBF0710S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0710S1

Integration File: Calibration.e  
Quant Time: Jul 11 01:44:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.797 | 283653   | 18.386 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

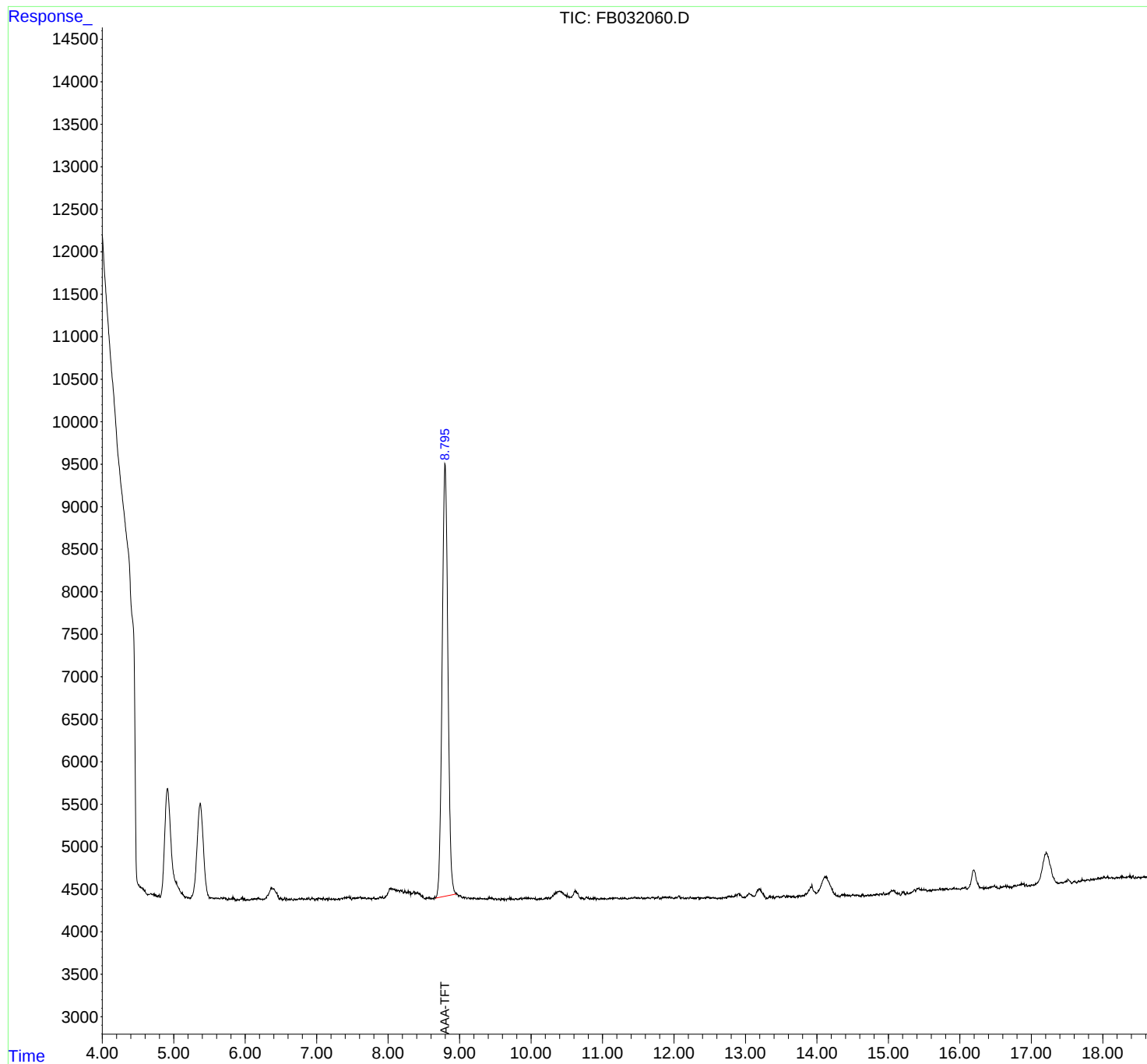
(m)=manual int.

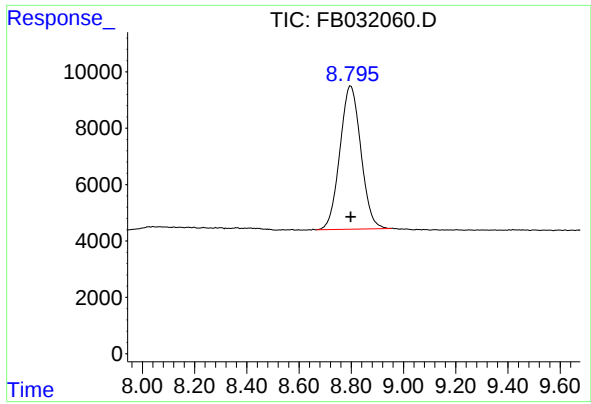
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032060.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 9:50  
Operator : YP/AJ  
Sample : VBF0710S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0710S1

Integration File: Calibration.e  
Quant Time: Jul 11 01:44:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.797 min  
Delta R.T.: -0.001 min  
Response: 283653  
Conc: 18.39 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
VBF0710S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032060.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 9:50  
Sample : VBF0710S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 8.797       | 8.665        | 8.954      | PV       | 5090           | 283653       | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                |              | 283653         |               |

FB062325.M Fri Jul 11 02:27:36 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | VBF0711S1                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | VBF0711S1                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032087.D        | 1         | 07/11/25 10:11 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 8.00  | U         | 8.00     | 45.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 18.7  |           | 50 - 150 | 93%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032087.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:11  
Operator : YP/AJ  
Sample : VBF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S1

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.797 | 288198   | 18.680 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

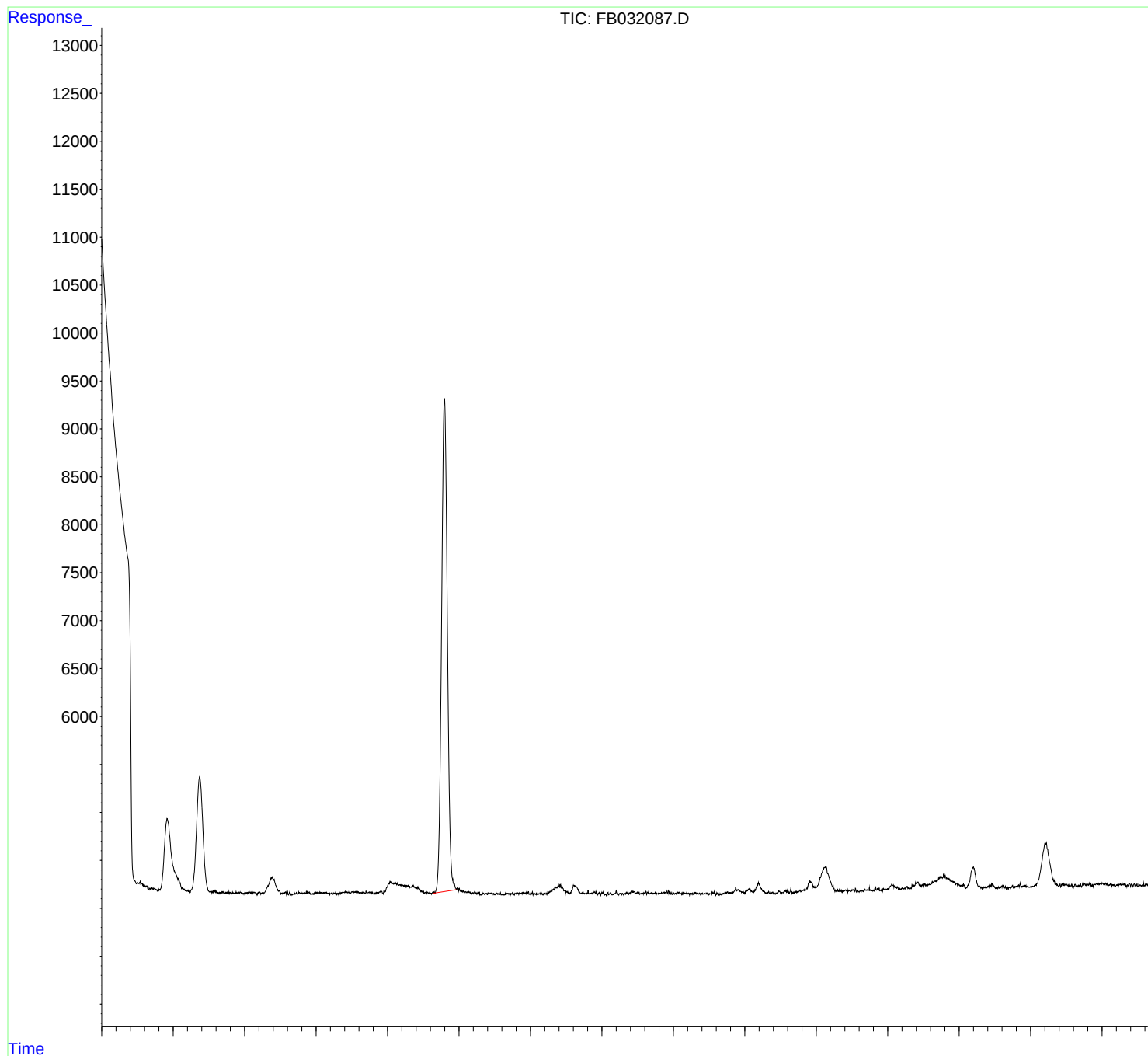
(m)=manual int.

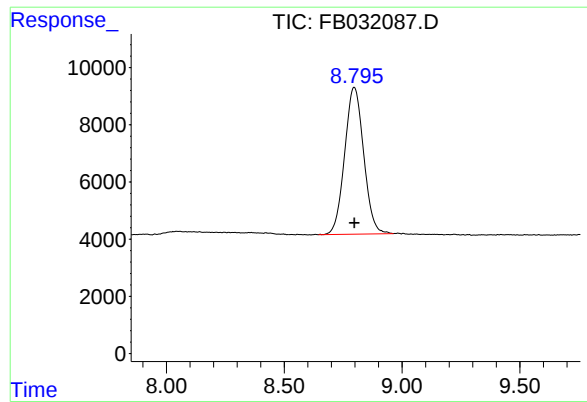
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032087.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:11  
Operator : YP/AJ  
Sample : VBF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S1

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.797 min  
Delta R.T.: 0.000 min  
Response: 288198  
Conc: 18.68 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032087.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:11  
Sample : VBF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 8.797       | 8.645        | 8.964      | PV       | 5139           | 288198       | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                | 288198       |                |               |

FB062325.M Sat Jul 12 00:51:15 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | VBF0711S2                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | VBF0711S2                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032088.D        | 50        | 07/11/25 10:39 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 413   | U         | 413      | 2250       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 13.7  |           | 50 - 150 | 68%        | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032088.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:39  
Operator : YP/AJ  
Sample : VBF0711S2 50X  
Misc : 5.00G/5.00 ML MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S2

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    | R.T.  | Response | Conc Units   |
|-----------------------------|-------|----------|--------------|
| -----                       |       |          |              |
| System Monitoring Compounds |       |          |              |
| 5) s AAA-TFT                | 8.797 | 210608   | 13.651 ng/ml |
| Target Compounds            |       |          |              |
| -----                       |       |          |              |

(f)=RT Delta > 1/2 Window

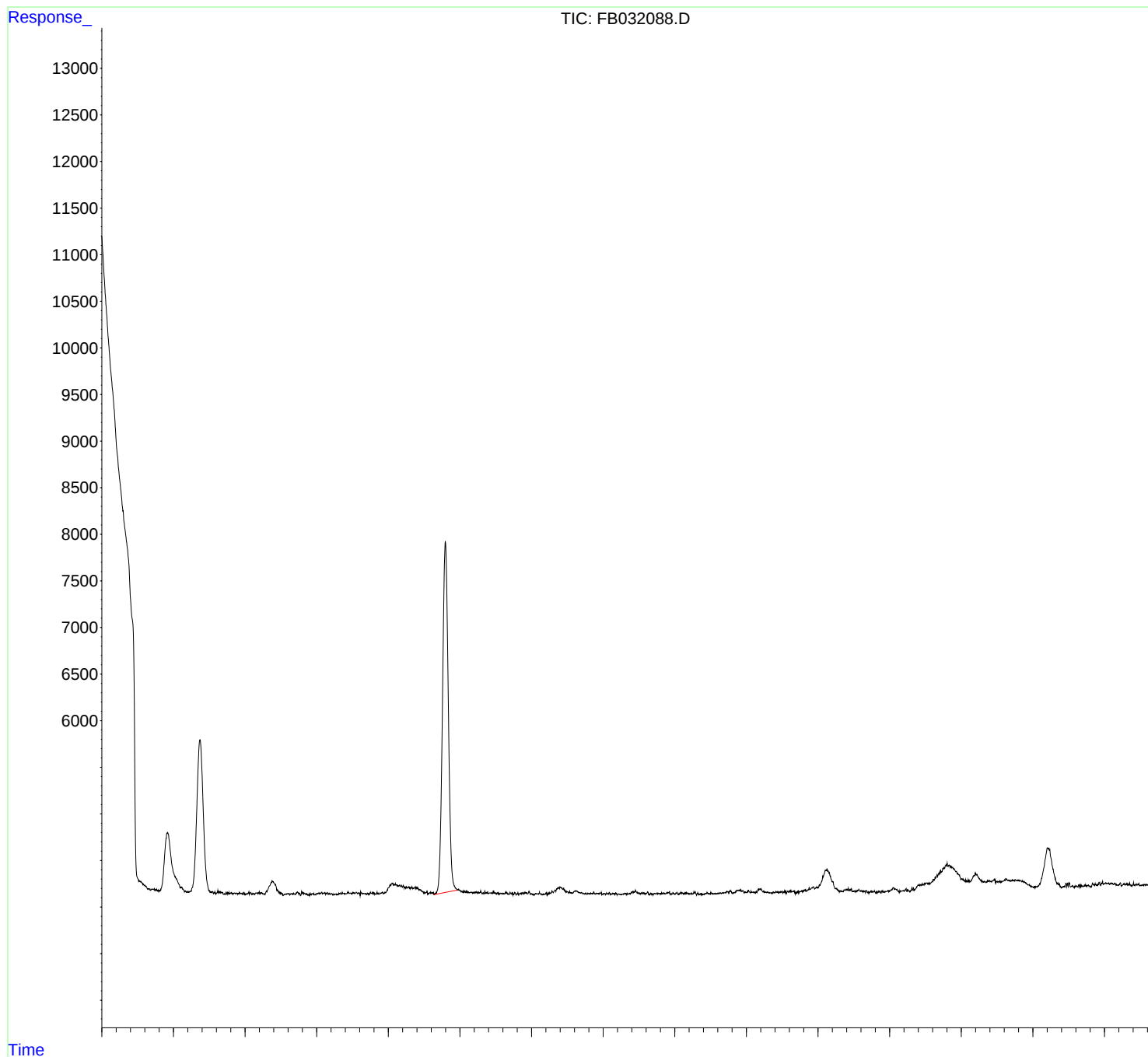
(m)=manual int.

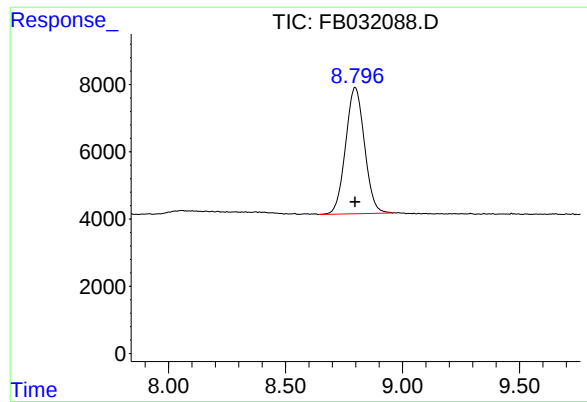
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032088.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:39  
Operator : YP/AJ  
Sample : VBF0711S2 50X  
Misc : 5.00G/5.00 ML MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S2

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.797 min  
Delta R.T.: 0.000 min  
Response: 210608  
Conc: 13.65 ng/ml

Instrument :  
FID\_B  
ClientSampleId :  
VBF0711S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032088.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 10:39  
Sample : VBF0711S2 50X  
Misc : 5.00G/5.00 ML ME0H  
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 8.797       | 8.640        | 8.961      | PV       | 3763           | 210608       | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                | 210608       |                |               |

FB062325.M Sat Jul 12 00:51:33 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | BSF0710S1                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | BSF0710S1                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032062.D        | 1         | 07/10/25 10:45 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 155   |           | 8.00     | 45.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 20.2  |           | 50 - 150 | 101%       | 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  
 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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032062.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 10:45  
 Operator : YP/AJ  
 Sample : BSF0710S1  
 Misc : 5.00G/5.00 ML DI WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 BSF0710S1

Integration File: Calibration.e  
 Quant Time: Jul 11 01:44:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

| Compound                     | R.T.   | Response | Conc Units   |
|------------------------------|--------|----------|--------------|
| -----                        |        |          |              |
| System Monitoring Compounds  |        |          |              |
| 5) s AAA-TFT                 | 8.798  | 311208   | 20.172 ng/ml |
| Target Compounds             |        |          |              |
| 1) t 2-Methylpentane         | 4.713  | 602320   | 23.676 ng/ml |
| 2) t 2,2,4-Trimethylpentane  | 7.426  | 764976   | 28.366 ng/ml |
| 3) t n-Heptane               | 7.757  | 219121   | 8.782 ng/ml  |
| 4) t Benzene                 | 7.895  | 302885   | 8.909 ng/ml  |
| 6) t Toluene                 | 10.627 | 904951   | 25.308 ng/ml |
| 7) t Ethylbenzene            | 13.063 | 267955   | 8.486 ng/ml  |
| 8) t m-Xylene                | 13.196 | 559529   | 17.059 ng/ml |
| 9) t O-Xylene                | 13.923 | 531540   | 17.126 ng/ml |
| 10) t 1,2,4-Trimethylbenzene | 16.198 | 450075   | 17.022 ng/ml |
| -----                        |        |          |              |

(f)=RT Delta > 1/2 Window

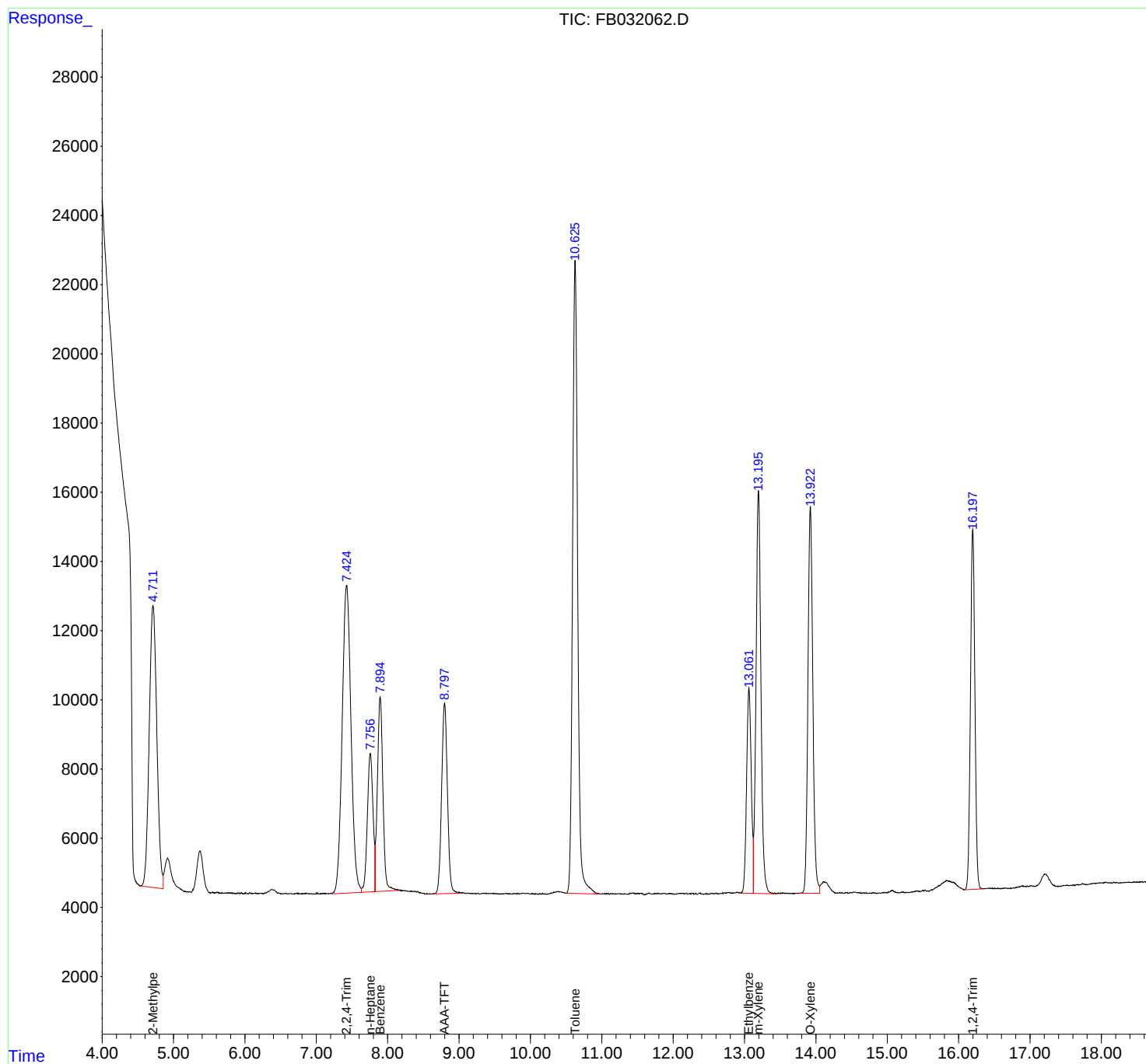
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032062.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 10:45  
Operator : YP/AJ  
Sample : BSF0710S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
BSF0710S1

Integration File: Calibration.e  
Quant Time: Jul 11 01:44:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032062.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 10:45  
Sample : BSF0710S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.713       | 4.523        | 4.855      | BV       | 8153           | 602320       | 66.56%         | 12.256%       |
| 2         | 7.426       | 7.216        | 7.632      | PV       | 8896           | 764976       | 84.53%         | 15.565%       |
| 3         | 7.757       | 7.632        | 7.824      | VV       | 4002           | 219121       | 24.21%         | 4.459%        |
| 4         | 7.895       | 7.824        | 8.164      | VV       | 5619           | 302885       | 33.47%         | 6.163%        |
| 5         | 8.798       | 8.606        | 9.018      | BV       | 5500           | 311208       | 34.39%         | 6.332%        |
| 6         | 10.627      | 10.502       | 10.989     | BV       | 18299          | 904951       | 100.00%        | 18.414%       |
| 7         | 13.063      | 12.937       | 13.124     | BV       | 5935           | 267955       | 29.61%         | 5.452%        |
| 8         | 13.196      | 13.124       | 13.452     | VV       | 11646          | 559529       | 61.83%         | 11.385%       |
| 9         | 13.923      | 13.756       | 14.053     | BV       | 11184          | 531540       | 58.74%         | 10.816%       |
| 10        | 16.198      | 16.069       | 16.346     | PV       | 10380          | 450075       | 49.73%         | 9.158%        |

Sum of corrected areas: 4914560

FB062325.M Fri Jul 11 02:28:17 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | BSF0711S1                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | BSF0711S1                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032089.D        | 1         | 07/11/25 11:06 | FB071125      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 150   |           | 8.00     | 45.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 19.3  |           | 50 - 150 | 96%        | 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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032089.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 11:06  
Operator : YP/AJ  
Sample : BSF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
BSF0711S1

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um

| Compound                    |                        | R.T.   | Response | Conc Units   |
|-----------------------------|------------------------|--------|----------|--------------|
| -----                       |                        |        |          |              |
| System Monitoring Compounds |                        |        |          |              |
| 5) s                        | AAA-TFT                | 8.798  | 297202   | 19.264 ng/ml |
| Target Compounds            |                        |        |          |              |
| 1) t                        | 2-Methylpentane        | 4.714  | 543315   | 21.356 ng/ml |
| 2) t                        | 2,2,4-Trimethylpentane | 7.425  | 741822   | 27.508 ng/ml |
| 3) t                        | n-Heptane              | 7.758  | 205452   | 8.234 ng/ml  |
| 4) t                        | Benzene                | 7.897  | 301696   | 8.874 ng/ml  |
| 6) t                        | Toluene                | 10.627 | 892538   | 24.961 ng/ml |
| 7) t                        | Ethylbenzene           | 13.063 | 263867   | 8.356 ng/ml  |
| 8) t                        | m-Xylene               | 13.196 | 552082   | 16.832 ng/ml |
| 9) t                        | O-Xylene               | 13.923 | 526098   | 16.950 ng/ml |
| 10) t                       | 1,2,4-Trimethylbenzene | 16.198 | 443485   | 16.773 ng/ml |
| -----                       |                        |        |          |              |

(f)=RT Delta > 1/2 Window

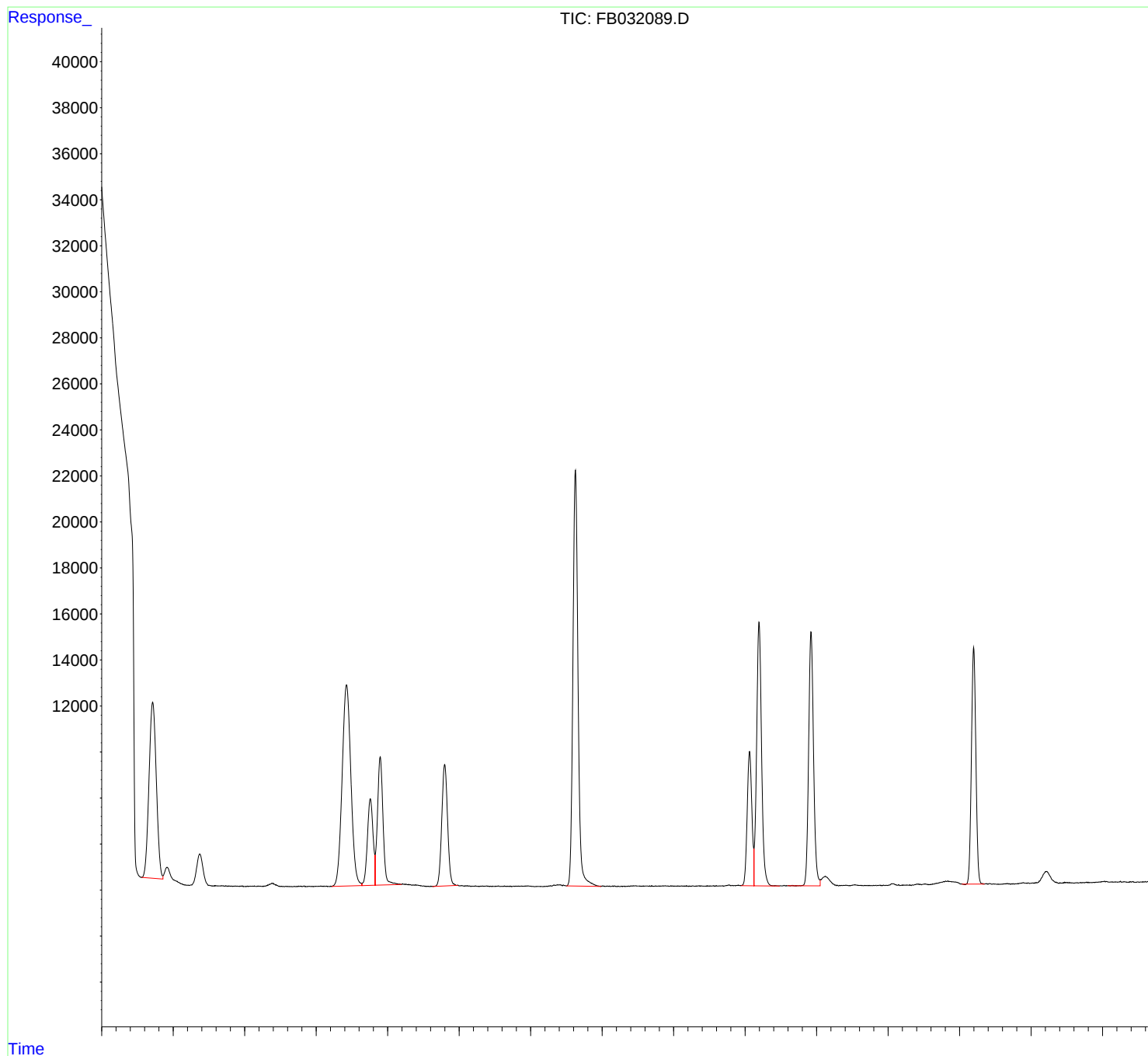
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032089.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 11:06  
Operator : YP/AJ  
Sample : BSF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
BSF0711S1

Integration File: Calibration.e  
Quant Time: Jul 11 23:49:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071125\  
Data File : FB032089.D  
Signal(s) : FID2B.CH  
Acq On : 11 Jul 2025 11:06  
Sample : BSF0711S1  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.714       | 4.559        | 4.857      | BV       | 7652           | 543315       | 60.87%         | 11.396%       |
| 2         | 7.425       | 7.218        | 7.639      | PV       | 8741           | 741822       | 83.11%         | 15.560%       |
| 3         | 7.758       | 7.639        | 7.824      | VV       | 3763           | 205452       | 23.02%         | 4.309%        |
| 4         | 7.897       | 7.824        | 8.186      | VV       | 5569           | 301696       | 33.80%         | 6.328%        |
| 5         | 8.798       | 8.629        | 8.975      | BV       | 5279           | 297202       | 33.30%         | 6.234%        |
| 6         | 10.627      | 10.499       | 10.986     | BV       | 18063          | 892538       | 100.00%        | 18.721%       |
| 7         | 13.063      | 12.946       | 13.124     | BV       | 5836           | 263867       | 29.56%         | 5.535%        |
| 8         | 13.196      | 13.124       | 13.474     | VB       | 11457          | 552082       | 61.86%         | 11.580%       |
| 9         | 13.923      | 13.597       | 14.051     | BV       | 11038          | 526098       | 58.94%         | 11.035%       |
| 10        | 16.198      | 16.035       | 16.347     | BV       | 10267          | 443485       | 49.69%         | 9.302%        |

Sum of corrected areas: 4767558

FB062325.M Sat Jul 12 00:51:55 2025

## Report of Analysis

|                    |                            |                    |                         |
|--------------------|----------------------------|--------------------|-------------------------|
| Client:            | CDM Smith                  | Date Collected:    |                         |
| Project:           | South River WM Replacement | Date Received:     |                         |
| Client Sample ID:  | BSF0710S2                  | SDG No.:           | Q2529                   |
| Lab Sample ID:     | BSF0710S2                  | Matrix:            | SOIL                    |
| Analytical Method: | 8015D GRO                  | % Solid:           | 100                     |
| Sample Wt/Vol:     | 5                          | Units:             | g                       |
| Soil Aliquot Vol:  |                            |                    | uL                      |
| Extraction Type:   |                            | Test:              | Gasoline Range Organics |
| GPC Factor :       |                            | Injection Volume : |                         |
| Prep Method :      |                            |                    |                         |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| FB032070.D        | 1         | 07/10/25 14:54 | FB071025      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                               |       |           |          |            |                   |
| GRO               | GRO                           | 155   |           | 8.00     | 45.0       | ug/kg             |
| <b>SURROGATES</b> |                               |       |           |          |            |                   |
| 98-08-8           | Alpha,Alpha,Alpha-Trifluoroto | 19.2  |           | 50 - 150 | 96%        | 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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
 Data File : FB032070.D  
 Signal(s) : FID2B.CH  
 Acq On : 10 Jul 2025 14:54  
 Operator : YP/AJ  
 Sample : BSF0710S2  
 Misc : 5.00G/5.00 ML DI WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_B  
 ClientSampleId :  
 BSF0710S2

Integration File: Calibration.e  
 Quant Time: Jul 11 01:45:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
 Quant Title :  
 QLast Update : Mon Jun 23 13:56:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 5 g/ml  
 Signal Phase : RTX-502.2  
 Signal Info : 60mx0.53mmx3.00um

| Compound                     | R.T.   | Response | Conc Units   |
|------------------------------|--------|----------|--------------|
| -----                        |        |          |              |
| System Monitoring Compounds  |        |          |              |
| 5) s AAA-TFT                 | 8.799  | 296129   | 19.194 ng/ml |
| Target Compounds             |        |          |              |
| 1) t 2-Methylpentane         | 4.713  | 591024   | 23.232 ng/ml |
| 2) t 2,2,4-Trimethylpentane  | 7.428  | 773942   | 28.699 ng/ml |
| 3) t n-Heptane               | 7.758  | 223288   | 8.949 ng/ml  |
| 4) t Benzene                 | 7.896  | 305553   | 8.987 ng/ml  |
| 6) t Toluene                 | 10.627 | 914371   | 25.571 ng/ml |
| 7) t Ethylbenzene            | 13.063 | 270382   | 8.563 ng/ml  |
| 8) t m-Xylene                | 13.196 | 560316   | 17.083 ng/ml |
| 9) t O-Xylene                | 13.924 | 532667   | 17.162 ng/ml |
| 10) t 1,2,4-Trimethylbenzene | 16.198 | 446424   | 16.884 ng/ml |
| -----                        |        |          |              |

(f)=RT Delta > 1/2 Window

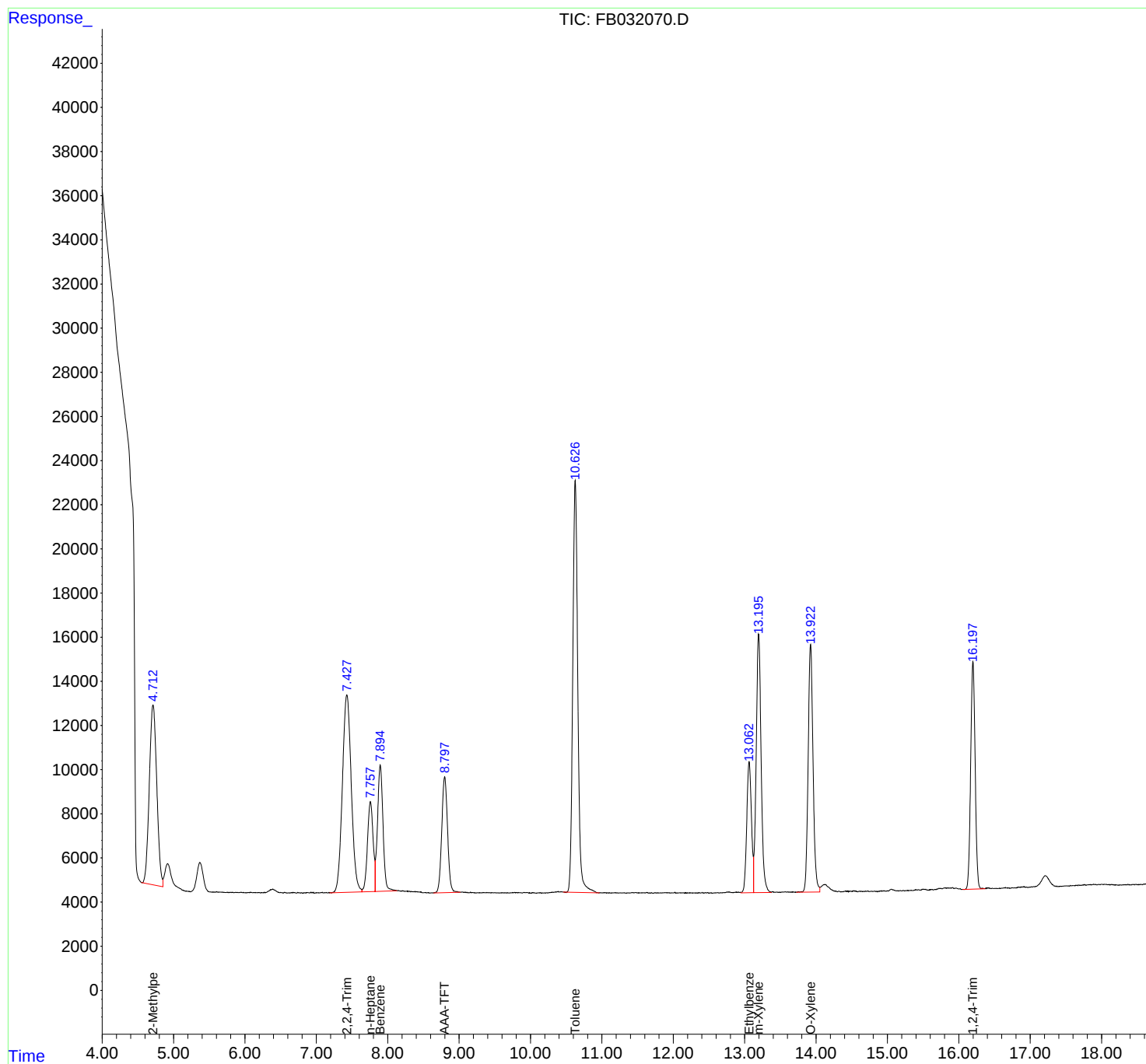
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032070.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 14:54  
Operator : YP/AJ  
Sample : BSF0710S2  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_B  
ClientSampleId :  
BSF0710S2

Integration File: Calibration.e  
Quant Time: Jul 11 01:45:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Quant Title :  
QLast Update : Mon Jun 23 13:56:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 5 g/ml  
Signal Phase : RTX-502.2  
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB071025\  
Data File : FB032070.D  
Signal(s) : FID2B.CH  
Acq On : 10 Jul 2025 14:54  
Sample : BSF0710S2  
Misc : 5.00G/5.00 ML DI WATER  
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB062325.M  
Title :

Signal : FID2B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.713       | 4.548        | 4.850      | BV       | 8149           | 591024       | 64.64%         | 12.027%       |
| 2         | 7.428       | 7.185        | 7.640      | PV       | 8945           | 773942       | 84.64%         | 15.749%       |
| 3         | 7.758       | 7.640        | 7.825      | VV       | 4077           | 223288       | 24.42%         | 4.544%        |
| 4         | 7.896       | 7.825        | 8.130      | VV       | 5714           | 305553       | 33.42%         | 6.218%        |
| 5         | 8.799       | 8.641        | 9.018      | PV       | 5249           | 296129       | 32.39%         | 6.026%        |
| 6         | 10.627      | 10.457       | 10.964     | BV       | 18659          | 914371       | 100.00%        | 18.607%       |
| 7         | 13.063      | 12.948       | 13.125     | VV       | 5939           | 270382       | 29.57%         | 5.502%        |
| 8         | 13.196      | 13.125       | 13.377     | VV       | 11708          | 560316       | 61.28%         | 11.402%       |
| 9         | 13.924      | 13.722       | 14.053     | BV       | 11210          | 532667       | 58.26%         | 10.840%       |
| 10        | 16.198      | 16.049       | 16.369     | BV       | 10299          | 446424       | 48.82%         | 9.085%        |

Sum of corrected areas: 4914098

FB062325.M Fri Jul 11 02:28:48 2025

### Manual Integration Report

| Sample ID      | ClientID ID | File ID    | Sequence ID | Parameter              | Supervised By | Supervised On        | Reason                                  |
|----------------|-------------|------------|-------------|------------------------|---------------|----------------------|-----------------------------------------|
| 20 PPB GRO STD |             | FB032059.D | FB071025    | 1,2,4-Trimethylbenzene | mohammad      | 7/11/2025 9:10:17 AM | Peak Integrated by Software incorrectly |
| 20 PPB GRO STD |             | FB032059.D | FB071025    | Benzene                | mohammad      | 7/11/2025 9:10:17 AM | Peak Integrated by Software incorrectly |
| BSF0710S3      |             | FB032084.D | FB071025    | O-Xylene               | mohammad      | 7/11/2025 9:10:17 AM | Peak Integrated by Software incorrectly |
| 20 PPB GRO STD |             | FB032085.D | FB071025    | O-Xylene               | mohammad      | 7/11/2025 9:10:17 AM | Peak Integrated by Software incorrectly |
|                |             |            |             |                        |               |                      |                                         |

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB062325**

|                                                                                                    |                                                 |                   |                               |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Review By                                                                                          | yogesh                                          | Review On         | 6/23/2025 3:07:11 PM          |
| Supervise By                                                                                       | mohammad                                        | Supervise On      | 6/25/2025 2:41:46 AM          |
| SubDirectory                                                                                       | FB062325                                        | HP Acquire Method | HP Processing Method FB062325 |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |                   |                               |

| Sr# | SampleID       | Data File Name | Date-Time         | Operator | Status |
|-----|----------------|----------------|-------------------|----------|--------|
| 1   | 5 GRO STD      | FB031909.D     | 23 Jun 2025 12:17 | YP/AJ    | Ok     |
| 2   | 10 GRO STD     | FB031910.D     | 23 Jun 2025 12:44 | YP/AJ    | Ok     |
| 3   | 20 GRO STD     | FB031911.D     | 23 Jun 2025 13:12 | YP/AJ    | Ok     |
| 4   | 50 GRO STD     | FB031912.D     | 23 Jun 2025 13:40 | YP/AJ    | Ok     |
| 5   | 100 GRO STD    | FB031913.D     | 23 Jun 2025 14:07 | YP/AJ    | Ok     |
| 6   | FB062325GROICV | FB031914.D     | 23 Jun 2025 14:48 | YP/AJ    | Ok     |

M : Manual Integration

**Instrument ID: FID\_B**

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071025**

|                                                                    |                                                 |                   |                               |
|--------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Review By                                                          | yogesh                                          | Review On         | 7/10/2025 3:17:40 PM          |
| Supervise By                                                       | mohammad                                        | Supervise On      | 7/11/2025 9:10:17 AM          |
| SubDirectory                                                       | FB071025                                        | HP Acquire Method | HP Processing Method FB062325 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC<br>Internal Standard/PEM                                       | PP24710,PP24711,PP24712                         |                   |                               |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |                   |                               |

| Sr# | SampleId       | Data File Name | Date-Time         | Operator | Status |
|-----|----------------|----------------|-------------------|----------|--------|
| 1   | 20 PPB GRO STD | FB032059.D     | 10 Jul 2025 9:08  | YP/AJ    | Ok,M   |
| 2   | VBF0710S1      | FB032060.D     | 10 Jul 2025 9:50  | YP/AJ    | Ok     |
| 3   | VBF0710S2      | FB032061.D     | 10 Jul 2025 10:18 | YP/AJ    | Ok     |
| 4   | BSF0710S1      | FB032062.D     | 10 Jul 2025 10:45 | YP/AJ    | Ok     |
| 5   | Q2487-15       | FB032063.D     | 10 Jul 2025 11:25 | YP/AJ    | Not Ok |
| 6   | Q2487-16       | FB032064.D     | 10 Jul 2025 11:53 | YP/AJ    | Not Ok |
| 7   | Q2543-01       | FB032065.D     | 10 Jul 2025 12:36 | YP/AJ    | Ok     |
| 8   | Q2543-02       | FB032066.D     | 10 Jul 2025 13:04 | YP/AJ    | Not Ok |
| 9   | Q2543-03       | FB032067.D     | 10 Jul 2025 13:31 | YP/AJ    | Ok     |
| 10  | Q2543-04       | FB032068.D     | 10 Jul 2025 13:59 | YP/AJ    | Ok     |
| 11  | Q2487-15       | FB032069.D     | 10 Jul 2025 14:27 | YP/AJ    | Ok     |
| 12  | BSF0710S2      | FB032070.D     | 10 Jul 2025 14:54 | YP/AJ    | Ok     |
| 13  | 20 PPB GRO STD | FB032071.D     | 10 Jul 2025 15:22 | YP/AJ    | Ok     |
| 14  | Q2487-16       | FB032072.D     | 10 Jul 2025 16:24 | YP/AJ    | Ok     |
| 15  | Q2543-02       | FB032073.D     | 10 Jul 2025 16:52 | YP/AJ    | Ok     |
| 16  | Q2529-01       | FB032074.D     | 10 Jul 2025 17:20 | YP/AJ    | Ok     |
| 17  | Q2529-02       | FB032075.D     | 10 Jul 2025 17:48 | YP/AJ    | Ok     |
| 18  | Q2529-03       | FB032076.D     | 10 Jul 2025 18:15 | YP/AJ    | Not Ok |
| 19  | Q2529-04       | FB032077.D     | 10 Jul 2025 18:43 | YP/AJ    | Ok     |
| 20  | Q2529-05       | FB032078.D     | 10 Jul 2025 19:10 | YP/AJ    | Ok     |
| 21  | Q2529-06       | FB032079.D     | 10 Jul 2025 19:38 | YP/AJ    | Not Ok |

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071025**

| Review By                                                          | yogesh                                          | Review On         | 7/10/2025 3:17:40 PM          |
|--------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Supervise By                                                       | mohammad                                        | Supervise On      | 7/11/2025 9:10:17 AM          |
| SubDirectory                                                       | FB071025                                        | HP Acquire Method | HP Processing Method FB062325 |
| STD. NAME                                                          | STD REF.#                                       |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC<br>Internal Standard/PEM                                       | PP24710,PP24711,PP24712                         |                   |                               |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |                   |                               |

|    |                |            |                   |       |        |
|----|----------------|------------|-------------------|-------|--------|
| 22 | Q2529-07       | FB032080.D | 10 Jul 2025 20:05 | YP/AJ | Ok     |
| 23 | Q2529-08       | FB032081.D | 10 Jul 2025 20:33 | YP/AJ | Not Ok |
| 24 | Q2529-09       | FB032082.D | 10 Jul 2025 21:00 | YP/AJ | Not Ok |
| 25 | Q2529-10       | FB032083.D | 10 Jul 2025 21:28 | YP/AJ | Ok     |
| 26 | BSF0710S3      | FB032084.D | 10 Jul 2025 21:55 | YP/AJ | Ok,M   |
| 27 | 20 PPB GRO STD | FB032085.D | 10 Jul 2025 23:17 | YP/AJ | Ok,M   |

M : Manual Integration

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071125**

|                                                                    |                                                 |                   |                               |
|--------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Review By                                                          | yogesh                                          | Review On         | 7/11/2025 3:21:16 PM          |
| Supervise By                                                       |                                                 | Supervise On      |                               |
| SubDirectory                                                       | FB071125                                        | HP Acquire Method | HP Processing Method FB062325 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC<br>Internal Standard/PEM                                       | PP24715,PP24716                                 |                   |                               |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |                   |                               |

| Sr# | SampleId       | Data File Name | Date-Time         | Operator | Status |
|-----|----------------|----------------|-------------------|----------|--------|
| 1   | 20 PPB GRO STD | FB032086.D     | 11 Jul 2025 9:30  | YP/AJ    | Ok     |
| 2   | VBF0711S1      | FB032087.D     | 11 Jul 2025 10:11 | YP/AJ    | Ok     |
| 3   | VBF0711S2      | FB032088.D     | 11 Jul 2025 10:39 | YP/AJ    | Ok     |
| 4   | BSF0711S1      | FB032089.D     | 11 Jul 2025 11:06 | YP/AJ    | Ok     |
| 5   | Q2529-03       | FB032090.D     | 11 Jul 2025 11:50 | YP/AJ    | Ok     |
| 6   | Q2529-06       | FB032091.D     | 11 Jul 2025 12:18 | YP/AJ    | Not Ok |
| 7   | Q2529-08       | FB032092.D     | 11 Jul 2025 12:45 | YP/AJ    | Not Ok |
| 8   | Q2529-09       | FB032093.D     | 11 Jul 2025 13:13 | YP/AJ    | Ok     |
| 9   | Q2529-06       | FB032094.D     | 11 Jul 2025 13:40 | YP/AJ    | Ok     |
| 10  | Q2529-08       | FB032095.D     | 11 Jul 2025 14:08 | YP/AJ    | Ok     |
| 11  | BSF0711S2      | FB032096.D     | 11 Jul 2025 14:36 | YP/AJ    | Ok     |
| 12  | 20 PPB GRO STD | FB032097.D     | 11 Jul 2025 15:03 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB062325**

|                                                                                                    |                                                 |                   |                               |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Review By                                                                                          | yogesh                                          | Review On         | 6/23/2025 3:07:11 PM          |
| Supervise By                                                                                       | mohammad                                        | Supervise On      | 6/25/2025 2:41:46 AM          |
| SubDirectory                                                                                       | FB062325                                        | HP Acquire Method | HP Processing Method FB062325 |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |                   |                               |

| Sr# | SampleID       | ClientID | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------|----------|----------------|-------------------|---------|----------|--------|
| 1   | 5 GRO STD      |          | FB031909.D     | 23 Jun 2025 12:17 |         | YP/AJ    | Ok     |
| 2   | 10 GRO STD     |          | FB031910.D     | 23 Jun 2025 12:44 |         | YP/AJ    | Ok     |
| 3   | 20 GRO STD     |          | FB031911.D     | 23 Jun 2025 13:12 |         | YP/AJ    | Ok     |
| 4   | 50 GRO STD     |          | FB031912.D     | 23 Jun 2025 13:40 |         | YP/AJ    | Ok     |
| 5   | 100 GRO STD    |          | FB031913.D     | 23 Jun 2025 14:07 |         | YP/AJ    | Ok     |
| 6   | FB062325GROICV |          | FB031914.D     | 23 Jun 2025 14:48 |         | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071025**

|              |          |                   |                      |
|--------------|----------|-------------------|----------------------|
| Review By    | yogesh   | Review On         | 7/10/2025 3:17:40 PM |
| Supervise By | mohammad | Supervise On      | 7/11/2025 9:10:17 AM |
| SubDirectory | FB071025 | HP Acquire Method | HP Processing Method |
|              |          |                   | FB062325             |

| STD. NAME                                                          | STD REF.#                                       |
|--------------------------------------------------------------------|-------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                            | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |
| CCC<br>Internal Standard/PEM                                       | PP24710,PP24711,PP24712                         |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24111,PP24662                                 |

| Sr# | SampleID       | ClientID | Data File Name | Date-Time         | Comment            | Operator | Status |
|-----|----------------|----------|----------------|-------------------|--------------------|----------|--------|
| 1   | 20 PPB GRO STD |          | FB032059.D     | 10 Jul 2025 9:08  |                    | YP/AJ    | Ok,M   |
| 2   | VBF0710S1      |          | FB032060.D     | 10 Jul 2025 9:50  |                    | YP/AJ    | Ok     |
| 3   | VBF0710S2      |          | FB032061.D     | 10 Jul 2025 10:18 |                    | YP/AJ    | Ok     |
| 4   | BSF0710S1      |          | FB032062.D     | 10 Jul 2025 10:45 |                    | YP/AJ    | Ok     |
| 5   | Q2487-15       |          | FB032063.D     | 10 Jul 2025 11:25 | Vial-B, Not Purged | YP/AJ    | Not Ok |
| 6   | Q2487-16       |          | FB032064.D     | 10 Jul 2025 11:53 | Vial-B, Not Purged | YP/AJ    | Not Ok |
| 7   | Q2543-01       |          | FB032065.D     | 10 Jul 2025 12:36 | Vial-A             | YP/AJ    | Ok     |
| 8   | Q2543-02       |          | FB032066.D     | 10 Jul 2025 13:04 | Vial-A, Surr Fail  | YP/AJ    | Not Ok |
| 9   | Q2543-03       |          | FB032067.D     | 10 Jul 2025 13:31 | Vial-A             | YP/AJ    | Ok     |
| 10  | Q2543-04       |          | FB032068.D     | 10 Jul 2025 13:59 | Vial-A             | YP/AJ    | Ok     |
| 11  | Q2487-15       |          | FB032069.D     | 10 Jul 2025 14:27 | Vial-C             | YP/AJ    | Ok     |
| 12  | BSF0710S2      |          | FB032070.D     | 10 Jul 2025 14:54 |                    | YP/AJ    | Ok     |
| 13  | 20 PPB GRO STD |          | FB032071.D     | 10 Jul 2025 15:22 |                    | YP/AJ    | Ok     |
| 14  | Q2487-16       |          | FB032072.D     | 10 Jul 2025 16:24 | Vial-C             | YP/AJ    | Ok     |
| 15  | Q2543-02       |          | FB032073.D     | 10 Jul 2025 16:52 | Vial-B             | YP/AJ    | Ok     |
| 16  | Q2529-01       |          | FB032074.D     | 10 Jul 2025 17:20 | Vial-A             | YP/AJ    | Ok     |
| 17  | Q2529-02       |          | FB032075.D     | 10 Jul 2025 17:48 | Vial-A             | YP/AJ    | Ok     |
| 18  | Q2529-03       |          | FB032076.D     | 10 Jul 2025 18:15 | Vial-A, Not Purged | YP/AJ    | Not Ok |

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071025**

| Review By                               | yogesh                                          | Review On         | 7/10/2025 3:17:40 PM |
|-----------------------------------------|-------------------------------------------------|-------------------|----------------------|
| Supervise By                            | mohammad                                        | Supervise On      | 7/11/2025 9:10:17 AM |
| SubDirectory                            | FB071025                                        | HP Acquire Method | HP Processing Method |
|                                         |                                                 |                   | FB062325             |
| STD. NAME                               | STD REF.#                                       |                   |                      |
| Tune/Reschk<br>Initial Calibration Stds | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                      |
| CCC                                     | PP24710,PP24711,PP24712                         |                   |                      |
| Internal Standard/PEM                   |                                                 |                   |                      |
| ICV/I.BLK                               | PP24111,PP24662                                 |                   |                      |
| Surrogate Standard                      |                                                 |                   |                      |
| MS/MSD Standard                         |                                                 |                   |                      |
| LCS Standard                            |                                                 |                   |                      |

|    |                |  |            |                   |                    |       |        |
|----|----------------|--|------------|-------------------|--------------------|-------|--------|
| 19 | Q2529-04       |  | FB032077.D | 10 Jul 2025 18:43 | Vial-A             | YP/AJ | Ok     |
| 20 | Q2529-05       |  | FB032078.D | 10 Jul 2025 19:10 | Vial-A             | YP/AJ | Ok     |
| 21 | Q2529-06       |  | FB032079.D | 10 Jul 2025 19:38 | Vial-A, Not Purged | YP/AJ | Not Ok |
| 22 | Q2529-07       |  | FB032080.D | 10 Jul 2025 20:05 | Vial-A             | YP/AJ | Ok     |
| 23 | Q2529-08       |  | FB032081.D | 10 Jul 2025 20:33 | Vial-A, Not Purged | YP/AJ | Not Ok |
| 24 | Q2529-09       |  | FB032082.D | 10 Jul 2025 21:00 | Vial-A, Not Purged | YP/AJ | Not Ok |
| 25 | Q2529-10       |  | FB032083.D | 10 Jul 2025 21:28 | Vial-A             | YP/AJ | Ok     |
| 26 | BSF0710S3      |  | FB032084.D | 10 Jul 2025 21:55 |                    | YP/AJ | Ok,M   |
| 27 | 20 PPB GRO STD |  | FB032085.D | 10 Jul 2025 23:17 |                    | YP/AJ | Ok,M   |

M : Manual Integration

Instrument ID: FID\_B

**Daily Analysis Runlog For Sequence/QC Batch ID # FB071125**

|                                         |                                                 |                   |                               |
|-----------------------------------------|-------------------------------------------------|-------------------|-------------------------------|
| Review By                               | yogesh                                          | Review On         | 7/11/2025 3:21:16 PM          |
| Supervise By                            |                                                 | Supervise On      |                               |
| SubDirectory                            | FB071125                                        | HP Acquire Method | HP Processing Method FB062325 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                |                   |                               |
| Tune/Reschk<br>Initial Calibration Stds | PP24110,PP24656,PP24658,PP24659,PP24660,PP24661 |                   |                               |
| CCC                                     | PP24715,PP24716                                 |                   |                               |
| Internal Standard/PEM                   |                                                 |                   |                               |
| ICV/I.BLK                               | PP24111,PP24662                                 |                   |                               |
| Surrogate Standard                      |                                                 |                   |                               |
| MS/MSD Standard                         |                                                 |                   |                               |
| LCS Standard                            |                                                 |                   |                               |

| Sr# | SampleID       | ClientID | Data File Name | Date-Time         | Comment            | Operator | Status |
|-----|----------------|----------|----------------|-------------------|--------------------|----------|--------|
| 1   | 20 PPB GRO STD |          | FB032086.D     | 11 Jul 2025 9:30  |                    | YP/AJ    | Ok     |
| 2   | VBF0711S1      |          | FB032087.D     | 11 Jul 2025 10:11 |                    | YP/AJ    | Ok     |
| 3   | VBF0711S2      |          | FB032088.D     | 11 Jul 2025 10:39 |                    | YP/AJ    | Ok     |
| 4   | BSF0711S1      |          | FB032089.D     | 11 Jul 2025 11:06 |                    | YP/AJ    | Ok     |
| 5   | Q2529-03       |          | FB032090.D     | 11 Jul 2025 11:50 | Vial-B             | YP/AJ    | Ok     |
| 6   | Q2529-06       |          | FB032091.D     | 11 Jul 2025 12:18 | Vial-B, Not Purged | YP/AJ    | Not Ok |
| 7   | Q2529-08       |          | FB032092.D     | 11 Jul 2025 12:45 | Vial-B, Not Purged | YP/AJ    | Not Ok |
| 8   | Q2529-09       |          | FB032093.D     | 11 Jul 2025 13:13 | Vial-B             | YP/AJ    | Ok     |
| 9   | Q2529-06       |          | FB032094.D     | 11 Jul 2025 13:40 | Vial-C             | YP/AJ    | Ok     |
| 10  | Q2529-08       |          | FB032095.D     | 11 Jul 2025 14:08 | Vial-C             | YP/AJ    | Ok     |
| 11  | BSF0711S2      |          | FB032096.D     | 11 Jul 2025 14:36 |                    | YP/AJ    | Ok     |
| 12  | 20 PPB GRO STD |          | FB032097.D     | 11 Jul 2025 15:03 |                    | YP/AJ    | Ok     |

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 7/9/2025

OVENTEMP IN Celsius(°C): 108  
Time IN: 17:10  
In Date: 07/08/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:22  
Out Date: 07/09/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB136392

| Lab ID   | Client SampleID          | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments         |
|----------|--------------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|------------------|
| Q2519-01 | TP-15                    | 1      | 1.15           | 10.19        | 11.34                   | 9.86                      | 85.5    |                  |
| Q2519-02 | TP-15 EPH                | 2      | 1.19           | 10.75        | 11.94                   | 10.4                      | 85.7    |                  |
| Q2519-03 | TP-15 VOC                | 3      | 1.19           | 10.57        | 11.76                   | 10.3                      | 86.2    |                  |
| Q2521-01 | M1A                      | 4      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2521-02 | M1B                      | 5      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2521-03 | M2A                      | 6      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2521-04 | M2B                      | 7      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2523-01 | MOO-25-0190              | 8      | 1.15           | 10.15        | 11.3                    | 10.95                     | 96.6    |                  |
| Q2523-02 | PAD-070825-1             | 9      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | Concreate sample |
| Q2523-03 | PAD-070825-2             | 10     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | Concreate sample |
| Q2524-01 | OLD RETENTION BASIN 40TH | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | Concreate sample |
| Q2526-01 | LAW-25-0101              | 12     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | debris           |
| Q2526-02 | LAW-25-0101              | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | debris           |
| Q2526-03 | LAW-25-0102              | 14     | 1.15           | 10.84        | 11.99                   | 5.76                      | 42.5    |                  |
| Q2526-04 | LAW-25-0102              | 15     | 1.15           | 11.15        | 12.3                    | 6.73                      | 50.0    |                  |
| Q2527-01 | AR520-0015               | 16     | 1.15           | 10.73        | 11.88                   | 9.58                      | 78.6    |                  |
| Q2527-02 | AR520-0015               | 17     | 1.19           | 10.03        | 11.22                   | 10.7                      | 94.8    |                  |
| Q2527-03 | LAW-PAD-070825           | 18     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | Concreate sample |
| Q2528-01 | L4A                      | 19     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-02 | L4B                      | 20     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-03 | L5A                      | 21     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-04 | L5B                      | 22     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-05 | L6A                      | 23     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-06 | L6B                      | 24     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-07 | L7A                      | 25     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-08 | L7B                      | 26     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-09 | L8A                      | 27     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |
| Q2528-10 | L8B                      | 28     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC             |



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 7/9/2025

OVENTEMP IN Celsius(°C): 108  
Time IN: 17:10  
In Date: 07/08/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:22  
Out Date: 07/09/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB136392

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q2528-11 | L9A             | 29     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q2529-01 | TP-91           | 30     | 1.18           | 9.93         | 11.11                   | 10.21                     | 90.9    |          |
| Q2529-02 | TP-80           | 31     | 1.13           | 10.34        | 11.47                   | 10.51                     | 90.7    |          |
| Q2529-03 | TP-79           | 32     | 1.15           | 10.84        | 11.99                   | 10.97                     | 90.6    |          |
| Q2529-04 | TP-95           | 33     | 1.14           | 10.81        | 11.95                   | 10.19                     | 83.7    |          |
| Q2529-05 | TP-98           | 34     | 1.18           | 10.80        | 11.98                   | 10.56                     | 86.9    |          |
| Q2529-06 | TP-102          | 35     | 1.16           | 10.24        | 11.4                    | 10.95                     | 95.6    |          |
| Q2529-07 | TP-101          | 36     | 1.18           | 10.78        | 11.96                   | 10.85                     | 89.7    |          |
| Q2529-08 | TP-89           | 37     | 1.14           | 10.39        | 11.53                   | 10.5                      | 90.1    |          |
| Q2529-09 | TP-33           | 38     | 1.16           | 10.36        | 11.52                   | 10.54                     | 90.5    |          |
| Q2529-10 | TP-30           | 39     | 1.17           | 10.78        | 11.95                   | 11.02                     | 91.4    |          |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

131342

WorkList Name : %1-070825

WorkList ID : 190583

Department : Wet-Chemistry

Date : 07-08-2025 09:34:59

| Sample   | Customer Sample          | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|--------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2519-01 | TP-15                    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O11                         | 07/08/2025   | Chemtech -SO |
| Q2519-02 | TP-15 EPH                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O11                         | 07/08/2025   | Chemtech -SO |
| Q2519-03 | TP-15 VOC                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O11                         | 07/08/2025   | Chemtech -SO |
| Q2521-01 | M1A                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2521-02 | M1B                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2521-03 | M2A                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2521-04 | M2B                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2523-01 | MOO-25-0190              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2523-02 | PAD-070825-1             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O21                         | 07/08/2025   | Chemtech -SO |
| Q2523-03 | PAD-070825-2             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O21                         | 07/08/2025   | Chemtech -SO |
| Q2524-01 | OLD RETENTION BASIN 40TH | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O21                         | 07/08/2025   | Chemtech -SO |
| Q2526-01 | LAW-25-0101              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2526-02 | LAW-25-0101              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2526-03 | LAW-25-0102              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2526-04 | LAW-25-0102              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2527-01 | AR520-0015               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O13                         | 07/08/2025   | Chemtech -SO |
| Q2527-02 | AR520-0015               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O22                         | 07/08/2025   | Chemtech -SO |
| Q2527-03 | LAW-PAD-070825           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O22                         | 07/08/2025   | Chemtech -SO |
| Q2528-01 | L4A                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O22                         | 07/08/2025   | Chemtech -SO |
| Q2528-02 | L4B                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-03 | L5A                      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |

Date/Time 07/08/25 15:35

Raw Sample Received by: 88woc1

Raw Sample Relinquished by: CP SM

Date/Time 07/08/25 17:15

Raw Sample Received by: CP SM

Raw Sample Relinquished by: 2011.011

# WORKLIST(Hardcopy Internal Chain)

136392

WorkList Name : %1-070825

WorkList ID : 190583

Department : Wet-Chemistry

Date : 07-08-2025 09:34:59

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q2528-04 | L5B             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-05 | L6A             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-06 | L6B             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-07 | L7A             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-08 | L7B             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-09 | L8A             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-10 | L8B             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2528-11 | L9A             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2529-01 | TP-91           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | O32                         | 07/08/2025   | Chemtech -SO |
| Q2529-02 | TP-80           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/03/2025   | Chemtech -SO |
| Q2529-03 | TP-79           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-04 | TP-95           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-05 | TP-98           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-06 | TP-102          | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-07 | TP-101          | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-08 | TP-89           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/07/2025   | Chemtech -SO |
| Q2529-09 | TP-33           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/08/2025   | Chemtech -SO |
| Q2529-10 | TP-30           | Solid  | Percent Solids | Cool 4 deg C | CAMP02   | O11                         | 07/08/2025   | Chemtech -SO |

Date/Time 07/08/25 15:35

Raw Sample Received by: 88 woc

Raw Sample Relinquished by: OP SM

Date/Time 07/08/25 17:15

Raw Sample Received by: OP SM

Raw Sample Relinquished by: 88 woc



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH  
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY: EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS  
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT  
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ  
PROJECT MANAGER: FELIPE CONTRERAS  
e-mail: ENCINAS.MA@CDMSMITH.COM  
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#: ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY: EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

1. TCL VOC 2. TCL SVOC 3. TAL METALS 4. PESTICIDES 5. HERBICIDES 6. PCB'S 7. DRUGS 8. GRO

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS                                                                   |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------------------------------------------------------------------------|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |  |
| 1.                       | TP-91                            | S                | X              |      | 7/3/25               | 1335 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 2.                       | TP-80                            | S                | X              |      | 7/7/25               | 0830 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 3.                       | TP-79                            | S                | X              |      | 7/7/25               | 0930 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 4.                       | TP-95                            | S                | X              |      | 7/7/25               | 1025 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 5.                       | TP-98                            | S                | X              |      | 7/7/25               | 1100 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 6.                       | TP-102                           | S                | X              |      | 7/7/25               | 1200 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 7.                       | TP-101                           | S                | X              |      | 7/7/25               | 1505 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 8.                       | TP-89                            | S                | X              |      | 7/8/25               | 0810 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 9.                       | TP-33                            | S                | X              |      | 7/8/25               | 1015 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |
| 10.                      | TP-30                            | S                | X              |      | 7/8/25               | 1145 | 6            | X             | X | X | X | X | X | X |   |   | E                                                                          |  |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                            |                           |                                     |                                                                                                                                                                        |
|--------------------------------------------|---------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. [Signature] | DATE/TIME:<br>7/8/25/1422 | RECEIVED BY:<br>1. [Signature] 1422 | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 3.0 °C     |
| RELINQUISHED BY SAMPLER:<br>2. [Signature] | DATE/TIME:                | RECEIVED BY:<br>2. [Signature]      | Comments:                                                                                                                                                              |
| RELINQUISHED BY SAMPLER:<br>3. [Signature] | DATE/TIME: 1530<br>7825   | RECEIVED BY:<br>3. [Signature]      | Page ____ of CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO |

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |



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

### LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2529 CAMP02

Order Date : 7/8/2025 3:36:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 2 *MR*

Client Contact : Marcie Ann Encinas

Receive DateTime : 7/8/2025 3:30:00 PM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

Hard Copy Date :

Invoice Contact : Marcie Ann Encinas

Date Signoff :

| LAB ID   | CLIENT ID | MATRIX | SAMPLE<br>DATE | SAMPLE<br>TIME | TEST          | TEST GROUP | METHOD | FAX DATE | DUE<br>DATES |
|----------|-----------|--------|----------------|----------------|---------------|------------|--------|----------|--------------|
| Q2529-01 | TP-91     | Solid  | 07/03/2025     | 13:35          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-02 | TP-80     | Solid  | 07/07/2025     | 08:30          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-03 | TP-79     | Solid  | 07/07/2025     | 09:30          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-04 | TP-95     | Solid  | 07/07/2025     | 10:25          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-05 | TP-98     | Solid  | 07/07/2025     | 11:00          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-06 | TP-102    | Solid  | 07/07/2025     | 12:00          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-07 | TP-101    | Solid  | 07/07/2025     | 15:05          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-08 | TP-89     | Solid  | 07/08/2025     | 08:10          | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |



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

## LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2529      CAMP02  
Client Name : CDM Smith  
Client Contact : Marcie Ann Encinas  
Invoice Name : CDM Smith  
Invoice Contact : Marcie Ann Encinas

Order Date : 7/8/2025 3:36:00 PM  
Project Name : South River WM Replacem  
Receive DateTime : 7/8/2025 3:30:00 PM  
Purchase Order :

Project Mgr :  
Report Type : Level 2 *2-4*  
EDD Type : EXCEL NOCLEANUP  
Hard Copy Date :  
Date Signoff :

| LAB ID   | CLIENT ID | MATRIX | SAMPLE<br>DATE | SAMPLE<br>TIME | TEST          | TEST GROUP | METHOD | FAX DATE | DUE<br>DATES |
|----------|-----------|--------|----------------|----------------|---------------|------------|--------|----------|--------------|
|          |           |        |                |                | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-09 | TP-33     | Solid  | 07/08/2025     | 10:15          |               |            |        |          |              |
|          |           |        |                |                | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |
| Q2529-10 | TP-30     | Solid  | 07/08/2025     | 11:45          |               |            |        |          |              |
|          |           |        |                |                | VOC-TCLVOA-10 |            | 8260D  |          | 10 Bus. Days |

Relinquished By: *[Signature]*

Date / Time :

*7-8-25 1615*

Received By: *JC*

Date / Time :

*7/8/25 1615*

Storage Area : VOA Refridgerator Room