

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082321\  
Data File : VU044490.D  
Acq On : 23 Aug 2021 09:33  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

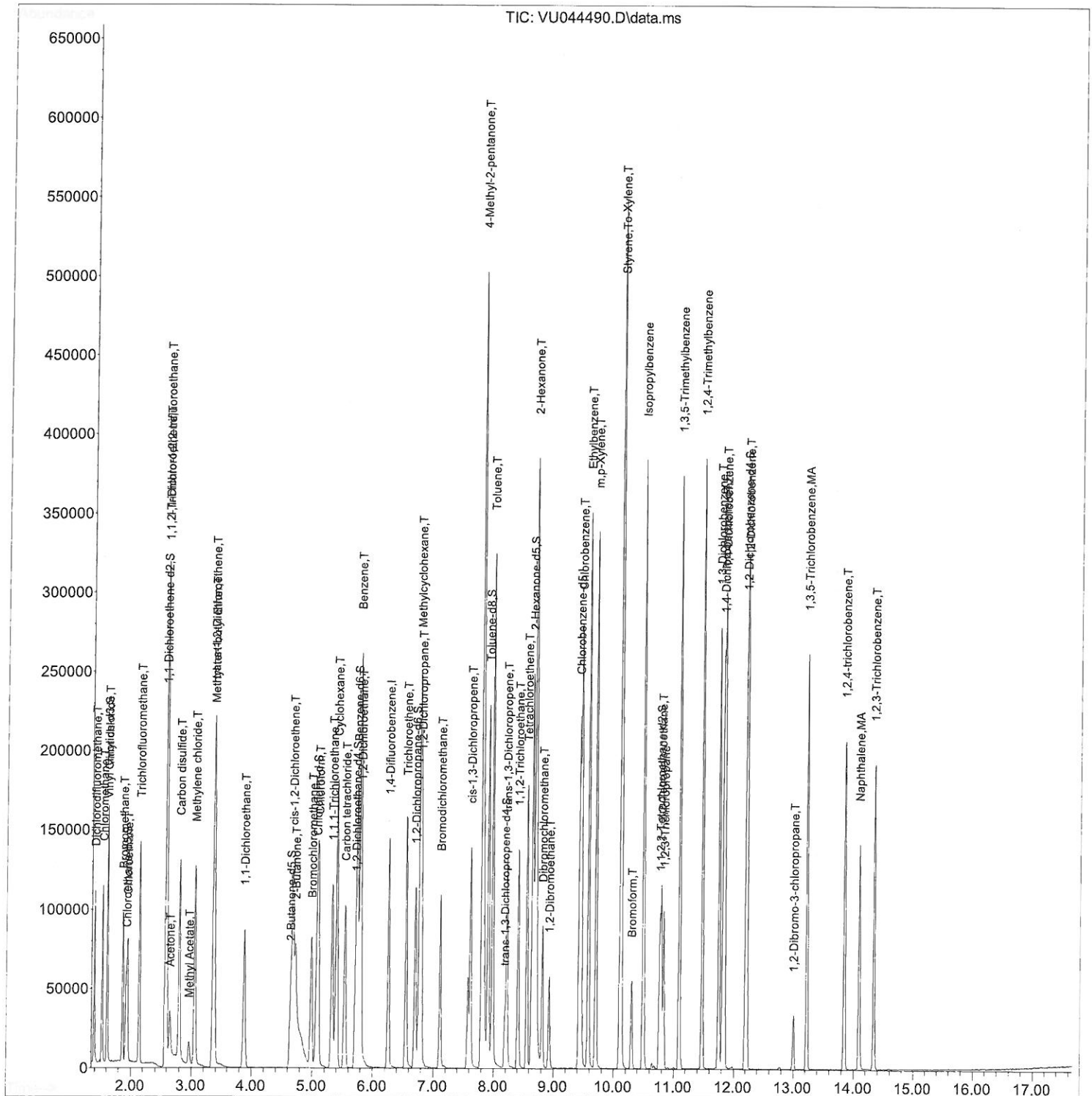
Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

Manual Integrations  
APPROVED

SAM

8/24/2021 11:20:46 AM

Quant Time: Aug 24 03:47:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Aug 21 02:45:30 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

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 LabSampleId :  
 VSTDCCC005

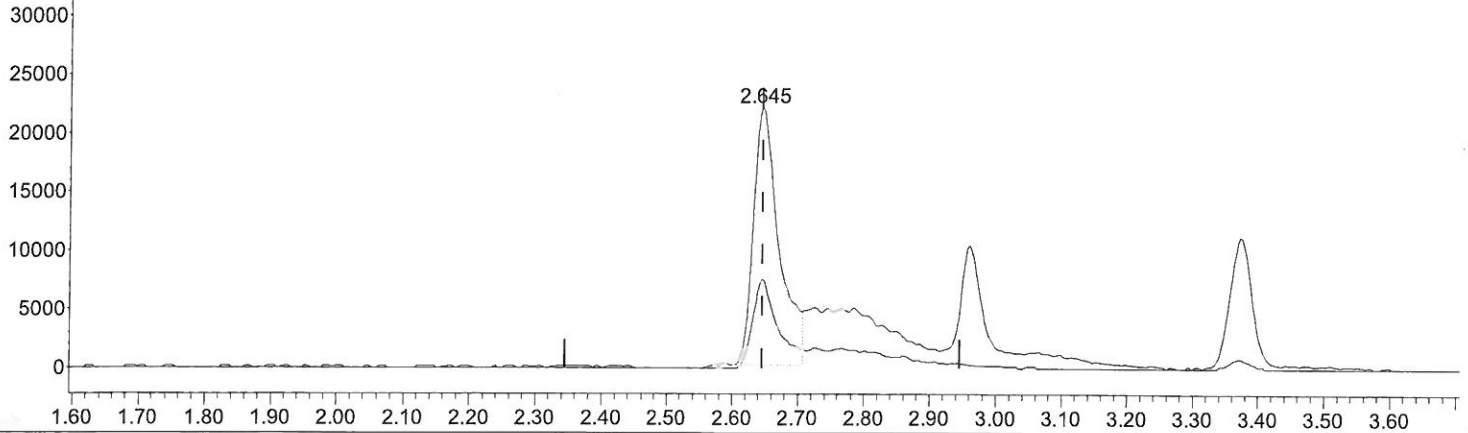
Manual Integrations  
 APPROVED

SAM

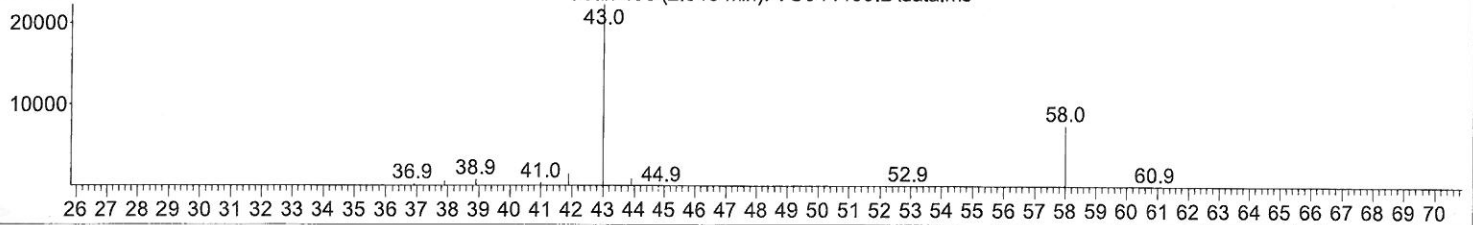
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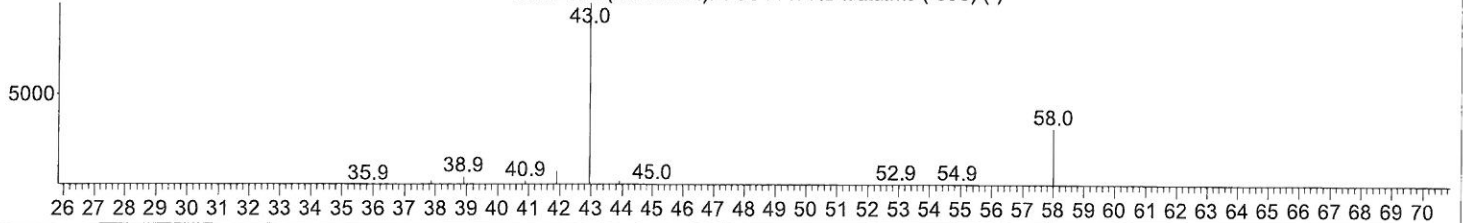
Ion 43.05 (42.75 to 43.75): VU044490.D\data.ms  
 Ion 58.05 (57.75 to 58.75): VU044490.D\data.ms



Scan 406 (2.645 min): VU044490.D\data.ms



Scan 406 (2.645 min): VU044477.D\data.ms (-393) (-)



TIC: VU044490.D\data.ms

(13) Acetone (T)

2.645min (-0.000) 28.39 ug/L

response 59948

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70  | 34.76  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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Data File : VU044490.D  
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Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

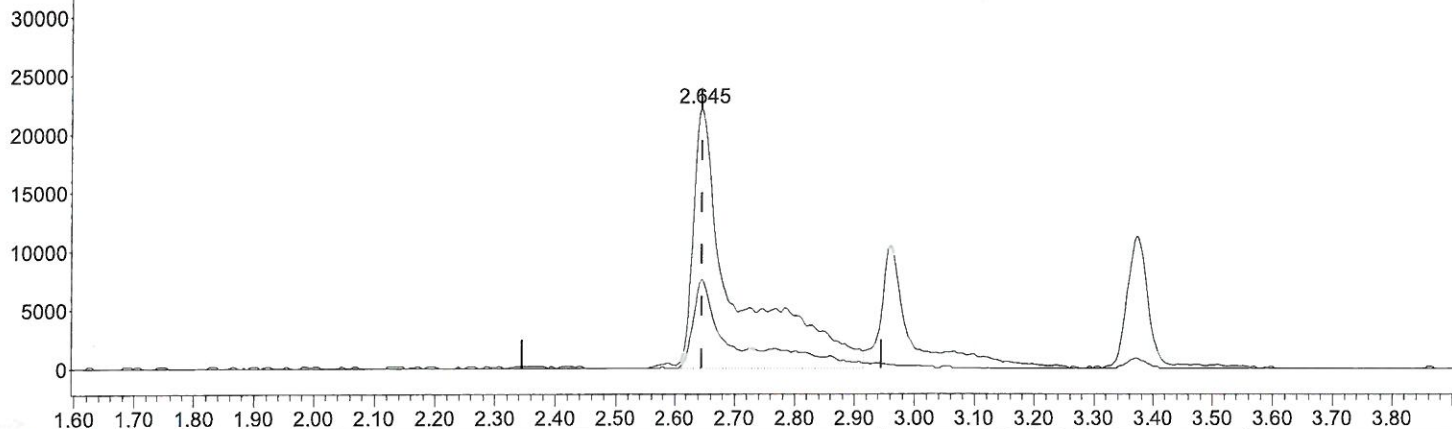
Manual Integrations  
APPROVED

SAM

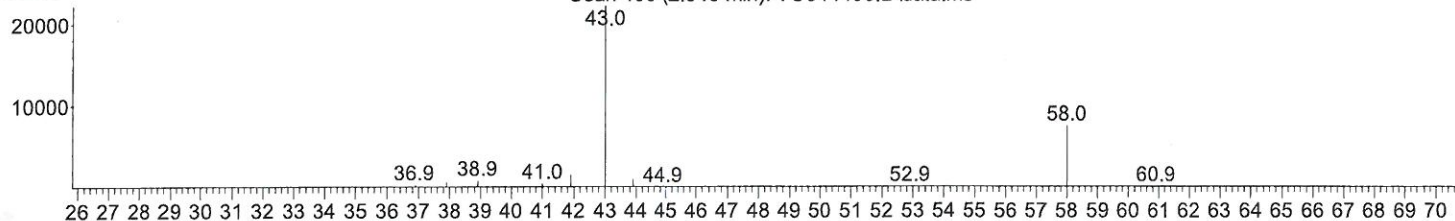
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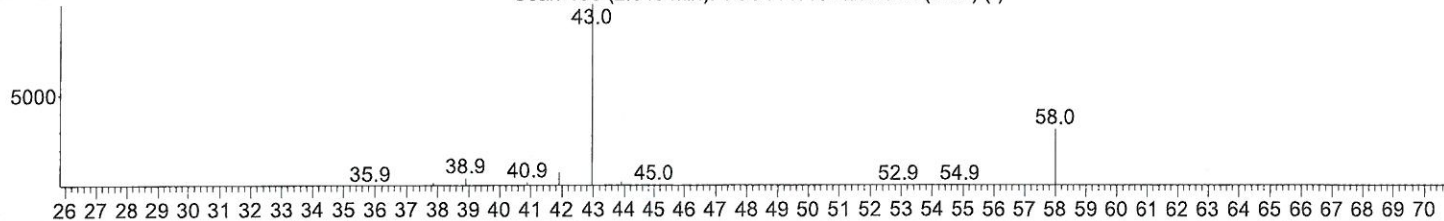
Ion 43.05 (42.75 to 43.75): VU044490.D\data.ms  
Ion 58.05 (57.75 to 58.75): VU044490.D\data.ms



Scan 406 (2.645 min): VU044490.D\data.ms



Scan 406 (2.645 min): VU044477.D\data.ms (-393) (-)



TIC: VU044490.D\data.ms

(13) Acetone (T)

2.645min (-0.000) 51.09 ug/L m

response 107886

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70  | 19.32  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
9/7/21

# Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082321\  
 Data File : VU044490.D  
 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

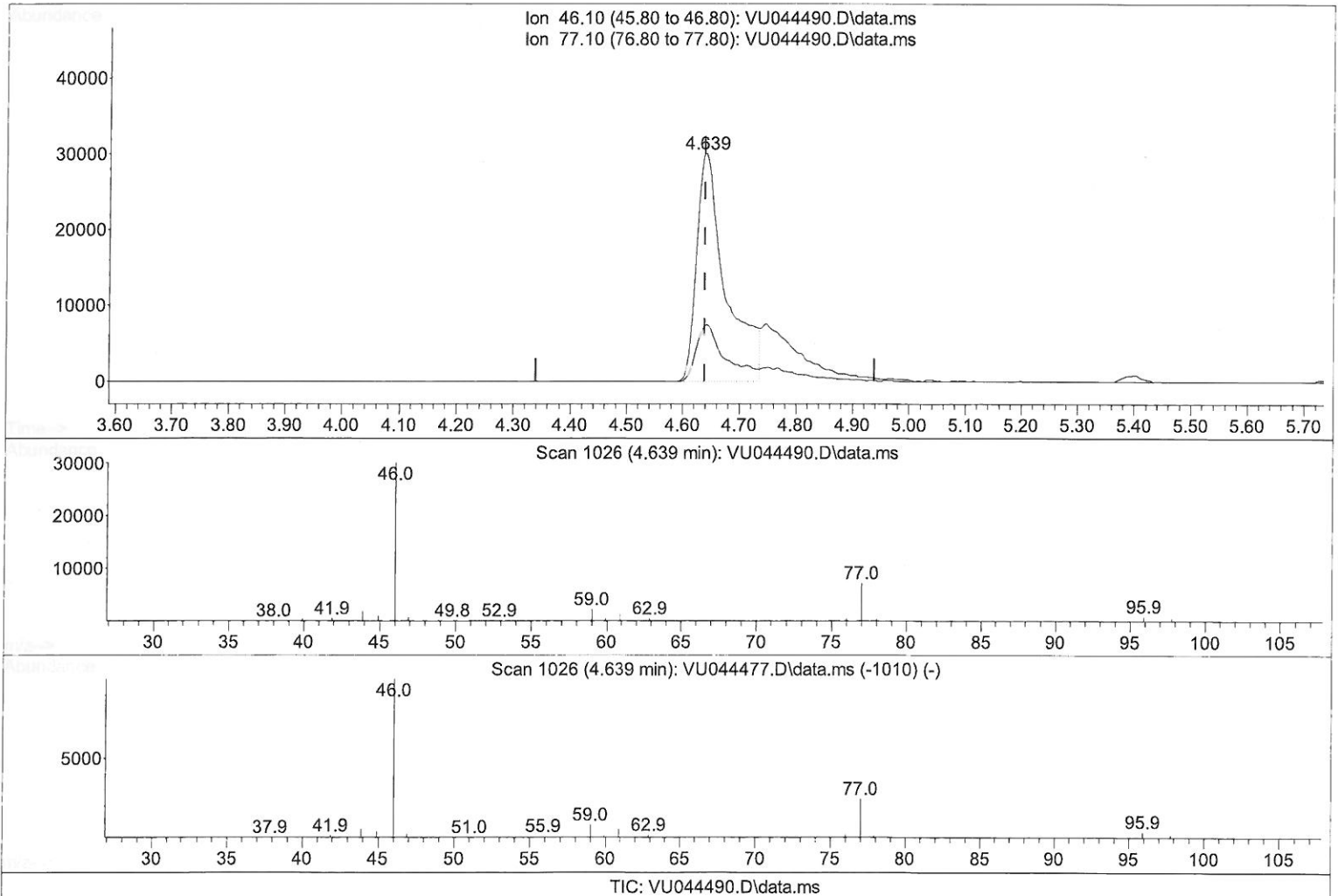
Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
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SAM

8/24/2021 11:20:46 AM

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(20) 2-Butanone-d5 (S)

4.639min (-0.000) 42.15 ug/L

response 107190

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00  | 21.75  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



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 Data File : VU044490.D  
 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

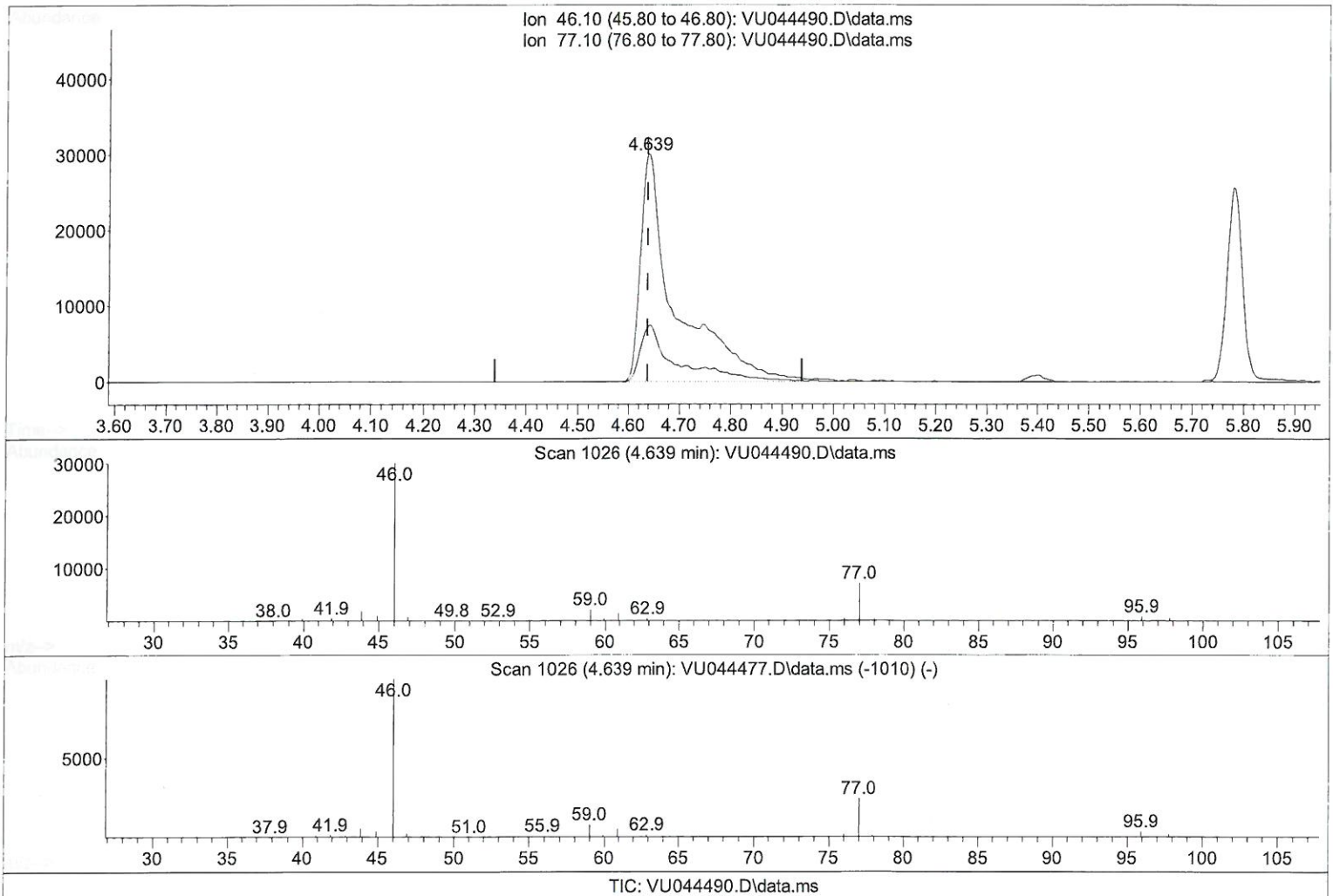
Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

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Quant Time: Aug 24 03:47:30 2021  
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 Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

4.639min (-0.000) 56.32 ug/L m

response 143212

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00  | 16.28# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
 9/7/21

# Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082321\  
 Data File : VU044490.D  
 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

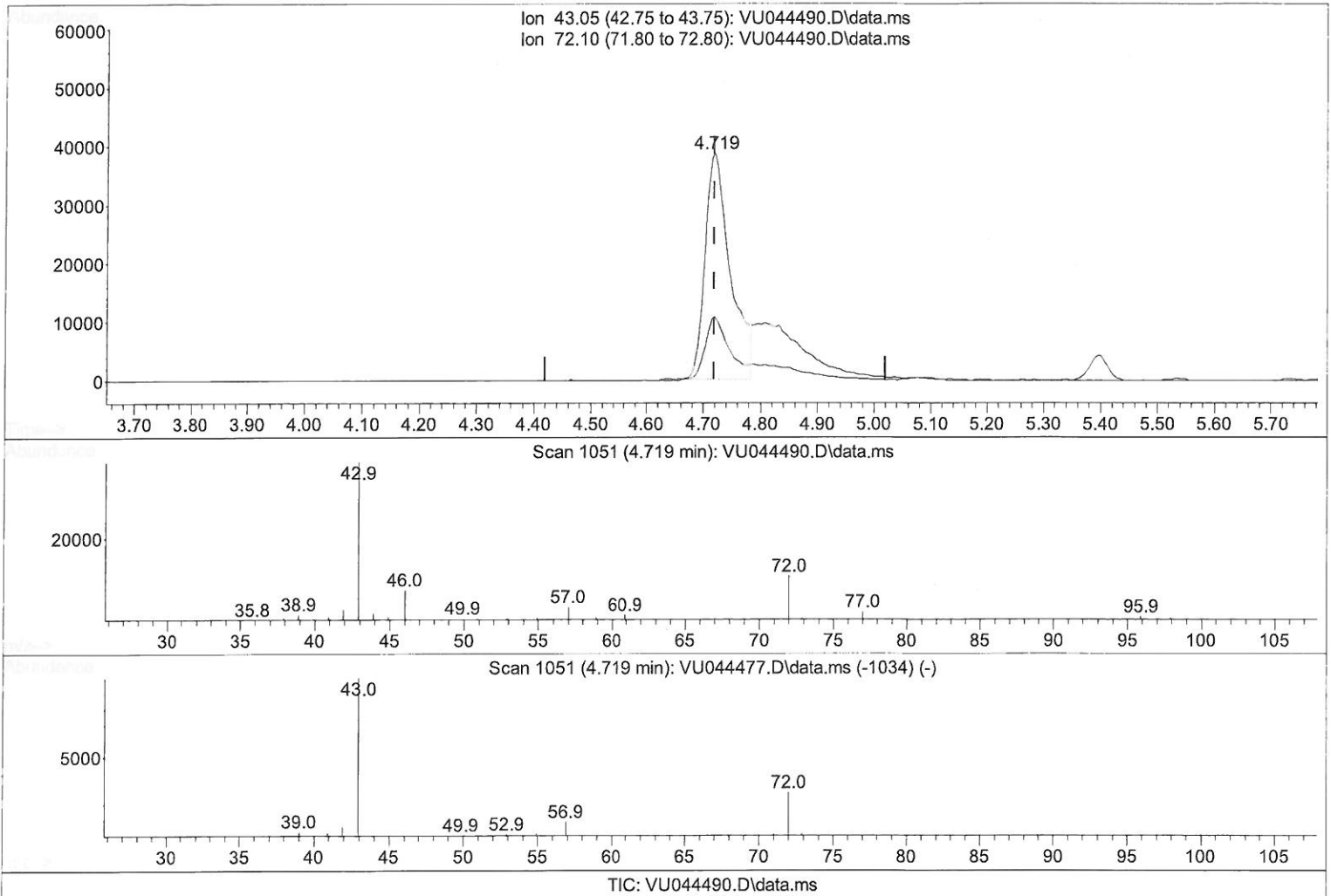
Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
 APPROVED

SAM

8/24/2021 11:20:46 AM

Quant Time: Aug 24 03:47:30 2021  
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 Response via : Initial Calibration



(21) 2-Butanone (T)

4.719min (-0.000) 39.77 ug/L

response 119681

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30  | 26.10  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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Data File : VU044490.D  
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Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

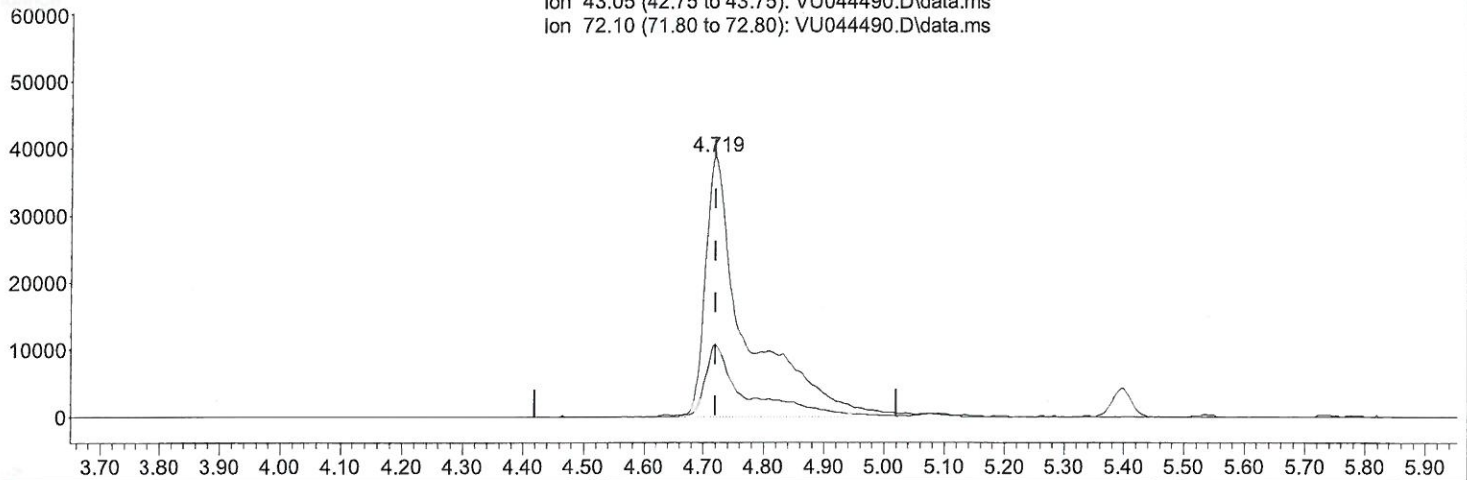
Manual Integrations  
APPROVED

SAM

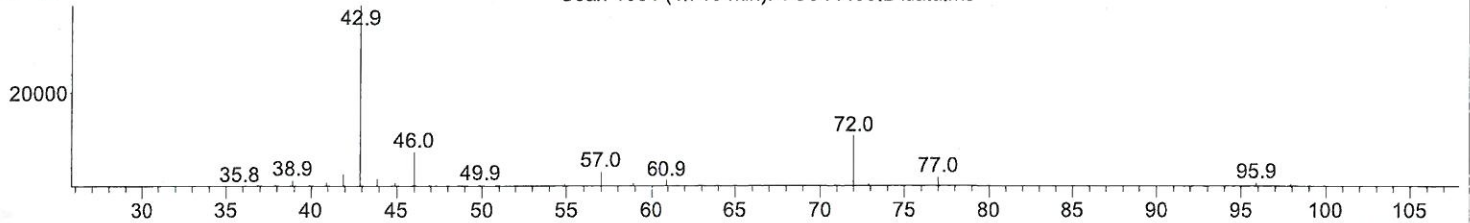
8/24/2021 11:20:46 AM

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Aug 21 02:45:30 2021  
Response via : Initial Calibration

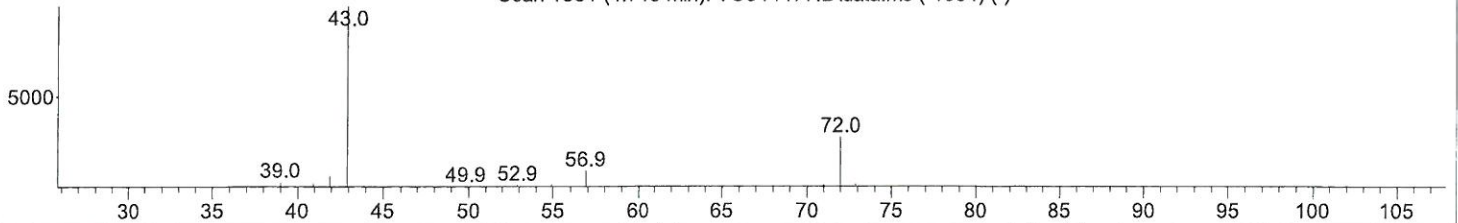
Ion 43.05 (42.75 to 43.75): VU044490.D\data.ms  
Ion 72.10 (71.80 to 72.80): VU044490.D\data.ms



Scan 1051 (4.719 min): VU044490.D\data.ms



Scan 1051 (4.719 min): VU044477.D\data.ms (-1034) (-)



TIC: VU044490.D\data.ms

(21) 2-Butanone (T)

4.719min (-0.000) 59.80 ug/L m

response 179944

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30  | 17.36  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
9/1/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082321\  
 Data File : VU044490.D  
 Acq On : 23 Aug 2021 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
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SAM

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| Compound                      | R.T.   | QIon           | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|--------|----------------|------------|----------|-------|----------|
| Internal Standards            |        |                |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114            | 113694     | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117            | 115414     | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152            | 58477      | 5.000    | ug/L  | 0.00     |
| System Monitoring Compounds   |        |                |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65             | 40627      | 4.418    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery = | 88.400%  |       |          |
| 7) Chloroethane-d5            | 1.919  | 69             | 37871      | 4.739    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery = | 94.800%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65             | 19065      | 4.874    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery = | 97.400%  |       |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 143212m    | 56.315   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery = | 112.640% |       |          |
| 24) Chloroform-d              | 5.073  | 84             | 85184      | 5.239    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery = | 104.800% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65             | 45080      | 5.084    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery = | 101.600% |       |          |
| 32) Benzene-d6                | 5.735  | 84             | 164415     | 5.059    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery = | 101.200% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67             | 53919      | 5.186    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery = | 103.800% |       |          |
| 41) Toluene-d8                | 7.906  | 98             | 147323     | 5.112    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery = | 102.200% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79             | 20971      | 5.616    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery = | 112.400% |       |          |
| 46) 2-Hexanone-d5             | 8.645  | 63             | 117472     | 58.178   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery = | 116.360% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84             | 46989      | 5.366    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery = | 107.400% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152            | 50018      | 5.063    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery = | 101.200% |       |          |
| Target Compounds              |        |                |            |          |       |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85             | 65175      | 5.574    | ug/L  | 99       |
| 3) Chloromethane              | 1.523  | 50             | 78448      | 5.121    | ug/L  | 98       |
| 5) Vinyl chloride             | 1.607  | 62             | 79055      | 5.583    | ug/L  | 99       |
| 6) Bromomethane               | 1.861  | 94             | 42763      | 5.556    | ug/L  | 99       |
| 8) Chloroethane               | 1.938  | 64             | 46998      | 5.429    | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101            | 89221      | 5.511    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101            | 50918      | 5.716    | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.584  | 96             | 49920      | 5.713    | ug/L  | 98       |
| 13) Acetone                   | 2.645  | 43             | 107886m    | 51.090   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.800  | 76             | 159812     | 5.639    | ug/L  | 100      |
| 15) Methyl Acetate            | 2.960  | 43             | 18413      | 5.339    | ug/L  | 95       |
| 16) Methylene chloride        | 3.054  | 84             | 60232      | 4.640    | ug/L  | 96       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73             | 130271     | 5.765    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96             | 52097      | 5.722    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.877  | 63             | 101766     | 5.766    | ug/L  | 98       |
| 21) 2-Butanone                | 4.719  | 43             | 179944m    | 59.797   | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96             | 56235      | 5.777    | ug/L  | 97       |
| 23) Bromochloromethane        | 4.986  | 128            | 24772      | 5.773    | ug/L  | 97       |



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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
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SAM

8/24/2021 11:20:46 AM

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 21 02:45:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 25) Chloroform                | 5.099  | 83   | 100996   | 5.578  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 70088    | 5.803  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 83600    | 5.787  | ug/L  | 99       |
| 30) Cyclohexane               | 5.398  | 56   | 92051    | 5.765  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 67564    | 5.692  | ug/L  | 100      |
| 33) Benzene                   | 5.784  | 78   | 224438   | 5.732  | ug/L  | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 55885    | 5.773  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.771  | 83   | 90576    | 5.610  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 59890    | 5.841  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 73509    | 5.839  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 83318    | 5.794  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 427943   | 61.469 | ug/L  | 99       |
| 42) Toluene                   | 7.976  | 91   | 235277   | 5.768  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.217  | 75   | 73958    | 6.068  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 44412    | 6.074  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.558  | 164  | 37783    | 5.644  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.697  | 43   | 309880   | 62.380 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.819  | 129  | 45336    | 5.859  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 40621    | 5.808  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.455  | 112  | 141809   | 5.665  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.578  | 91   | 247289   | 5.739  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 95181    | 5.876  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 92562    | 5.866  | ug/L  | 98       |
| 55) Styrene                   | 10.121 | 104  | 160679   | 6.211  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 57282    | 5.950  | ug/L  | 100      |
| 59) Bromoform                 | 10.298 | 173  | 24119    | 5.838  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.491 | 105  | 242592   | 5.685  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 42289    | 5.787  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 199701   | 5.723  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 204763   | 5.722  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 105288   | 5.618  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 105684   | 5.582  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 101564   | 5.687  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 9176     | 6.139  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 73952    | 5.605  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.847 | 180  | 59333    | 5.738  | ug/L  | 98       |
| 71) Naphthalene               | 14.092 | 128  | 111942   | 5.678  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 54876    | 5.796  | ug/L  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed