(QT Reviewed)

| Data File :<br>Acq On :<br>Operator :<br>Sample :   | 5 Nov 2021 09:53<br>Y/MD<br>STDCCC005<br>5.0mL/MSVOA_V/WATER   | Instrument :<br>MSVOA_V<br>LabSampleId :<br>VSTDCCC005<br>Manual IntegrationsAPPROVED                      |
|---|--|--|
| Quant Method<br>Quant Title<br>QLast Update         | ov 16 00:22:44 2021<br>: Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M<br>: TRACE VOA SFAM1.0<br>: Sat Nov 13 01:39:11 2021  | Reviewed By :John Carlone 11/16/2021<br>Supervised By :Mahesh Dadoda 11/16/2021                            |
| Response via<br>Abundance                           | : Initial Calibration<br>TIC: VV023470.D\data.ms   |  |
|   | 110. V V025470.D/data.ms   | 5  |
| 440000  | Пе, Т  |  |
| 420000-   | Loroeth  |  |
| 400000  | 1. Dichler/opp.barterdae8h4.(bs.Zfrifiluoroethane, T<br>bentanone, T<br>garzene, T<br>sopropy/benzene, T<br>1.3,5-Trimethy/benzene, T  | 4,1<br>4,1   |
| 380000  | ichieropstb <b>สรหยังเปละ</b> Bie (bg.27<br>none. T<br>ene. T<br>esopropylbenzene. T<br>.3.5-Trimethylbenzene. T   | 1.2.4.Trimethylbenzene.T<br>1.2.Dicthlorrobenzene-d4,I<br>1.3.5.Trichlorobenzene<br>1.3.5.Trichlorobenzene |
| 360000  | efcht.Daa<br>T   | 2,4-Trime<br>syltorobe<br>BnZene   |
| 340000  | +,+ Dioh<br>Pentano<br>€,1,3<br>Is Is  | 1.2<br>boshtéedal<br>éditéezet   |
| 320000  | пе. Т<br>  | 1.2.4-Trimethyli<br>3-Dichlorob <mark>eg:19</mark> 08050646086190robenzer<br>1.3.5-Trichlorobenzene        |
| 300000  | Hand Hand Hand Hand Hand Hand Hand Hand  | Trichlorce   |
| 280000  | je ze  | 1.3-Dic  |
| 260000  |  | 1,2,4-trichtorobenzene,T<br>chlorobenzene,T  |
| 240000  | lerft#oxy/IB/IB/IB/Enoroel<br>benzene.l<br>Methylcyclohexane.T<br>Le <sup>1</sup> ส่มีรูะhloroethene.T   | 1,2,3-Trichlorobenzene,T   |
| 220000  | Breitfren<br>zene, l<br>thylcyclo  | 1,2,4-1<br>richlorot   |
| 2200000<br>2000000<br>1800000<br>1800000<br>1600000 | ide.T<br>  | 1,2,3-T  |
| 180000  |  |  |
| 160000  | an disul<br>bethene<br>Math T<br>Math T<br>Math T<br>Math T<br>Math T<br>Math Math<br>Math Math<br>Math Math<br>Math Math<br>Math Math<br>Math Math<br>Math Math<br>Math Math<br>Math Math Math<br>Math Math Math<br>Math Math Math Math<br>Math Math Math Math Math<br>Math Math Math Math Math Math<br>Math Math Math Math Math Math Math Math<br>Math Math Math Math Math Math Math Math  |  |
|   | .1-Dichloroethane, T     Methylerne chloride, T       .1-Dichloroethane, T     Methylerne chloride, T       .1-Dichloroethane, T     2-Belatobristissethene, T       .1-1.1-Trichloroethane, T     1.4-Dittuon       .1.1-1-Trichloroethane, T     1.4-Dittuon       .1.1-1-Trichloroethane, T     1.4-Dittuon       .1.1-1-Trichloroethane, T     1.4-Dittuon       .1.1-1-Trichloroethane, T     1.4-Dittuon       .1.1-2-Trichloroethane, T     1.4-Dittuon       .1.2-1-Dichloroptopene, T     1.4-Dittuon       .1.2-Trichloroethane, T     .1.2-Hexano       .1.2-Trichloroethane, T     .1.2-Hexano       .1.2-Trichloroethane, T     .1.2-Trichloroethane, T       .1.2-Trichloroethane, T     .1.2-Hexano       .1.2-Trichloroethane, T     .1.2-Hexano       .1.2-Trichloroethane, T     .1.2-Hexano       .1.2-Trichloroethane, T     .1.2-Hexano   | glene  |
| 140000<br>140000<br>120000<br>120000                | Ca<br>Methyle<br>1,1-Dichloroethane, T<br>2-Batarobietts<br>2-Batarobioro<br>1,1,1-Trichloro<br>Carbon tetracht<br>Dichloroethane, T<br>2,2-Dichlor<br>Bromodichlorometha<br>cis-1,3-Dichlor<br>prografts off Solichlor<br>prografts off Solichlor<br>prografts off Solichlor  | Naphthalene  |
| 140000<br>120000<br>120000<br>100000                | T     Carbon disulfide, T       Methylene chloride, T     Methyl tertae       1,1-Dichloroethane, T     Methyl tertae       1,1-Dichloroethane, T     Methyl tertae       1,1-Dichloroethane, T     Methyl tertae       1,1-1-Tichloroethane, T     1,1-1-Tichloroethane, T       Bromochloromethane, T     1,1-1-Tichloroethane, T       Carbon tetracholdef, Forane, T     1,4-Diffuorobanze       1,2-Dichloroethane, T     1,2-Dichloroethane, T       1,2-Dichlorophylopholophild, Pane, T     Methylethere, T       1,2-Dichlorophonethane, T     1,4-Diffuorobanze       1,2-Dichlorophonethane, T     1,2-Dichlorophonethane, T       1,2-Dichlorophonethane, T     2-Hexanone_AB  | pane,T   |
| 80000   | logomo omocoli de la comocoli de la como | hloropro   |
| 60000   | Pine Pine Pine Pine Pine Pine Pine Pine  | 1.2-Dibromo-3-chloropropane,T  |
| 40000   | Acetone, T<br>Methyl Acetate T<br>2: Bulan<br>tran.  | 1.2-Dibr   |
| 20000   | Wet  |  |

3.00

4.00

2.00

5.00

6.00

7.00

8.00

9.00

10.00 11.00

12.00

13.00

14.00

0

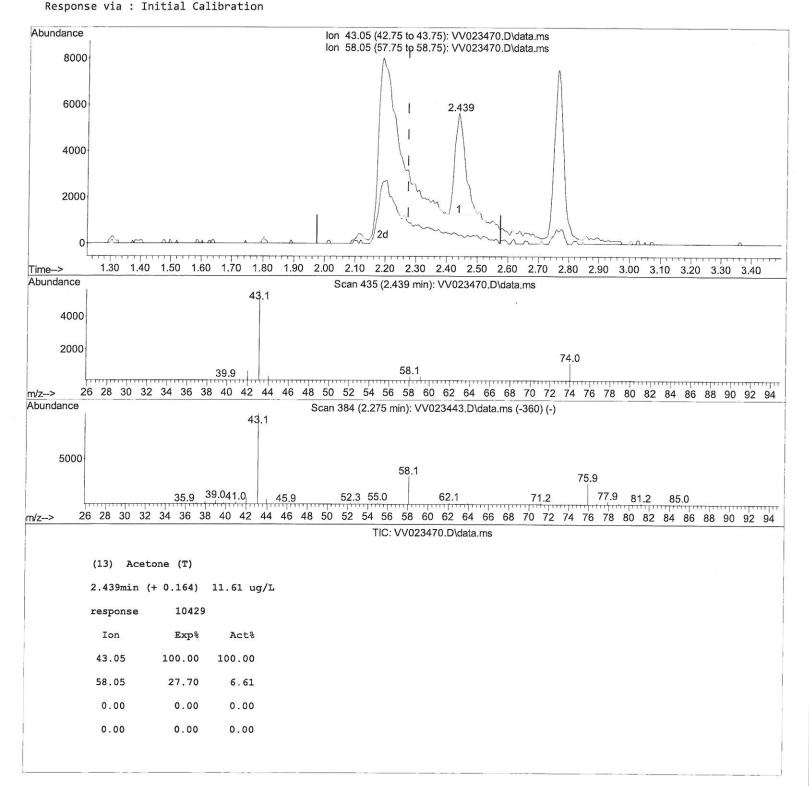
Time-->

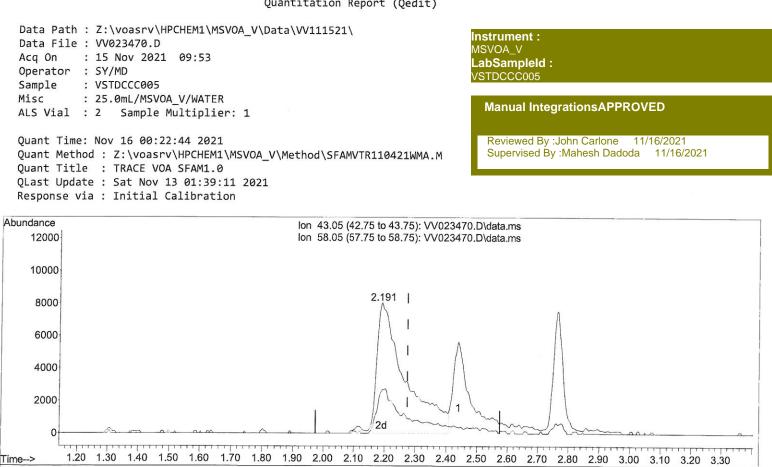
T

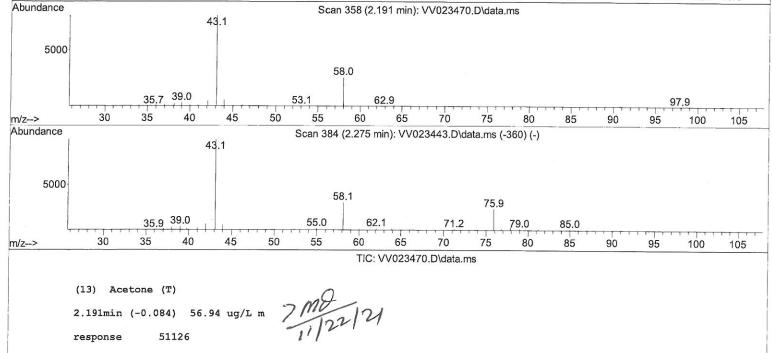
15.00 16.00 17.00

111









Exp%

100.00

27.70

0.00

0.00

Act%

1.35

0.00

0.00

100.00

Ion

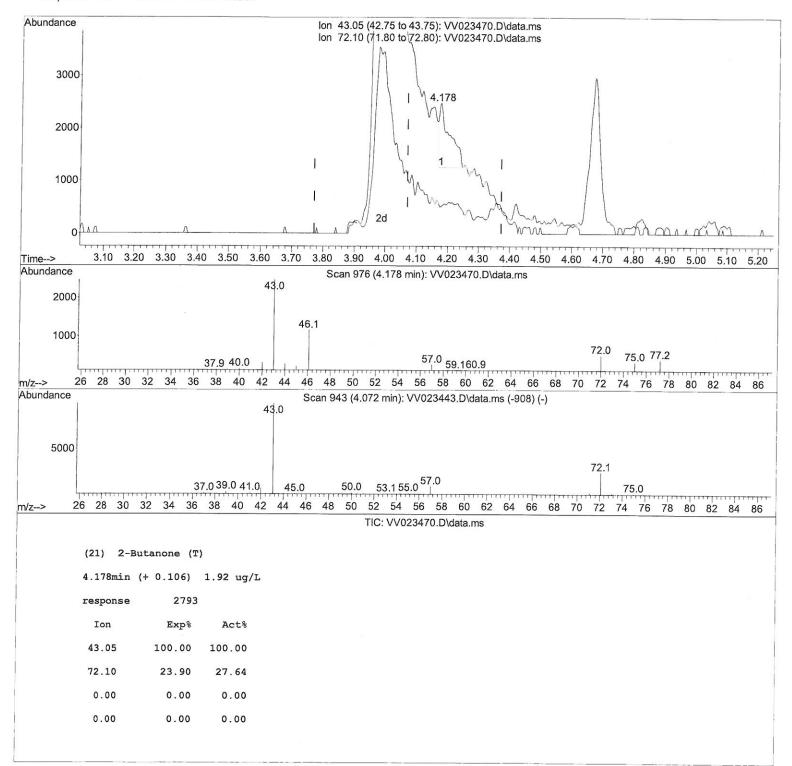
43.05

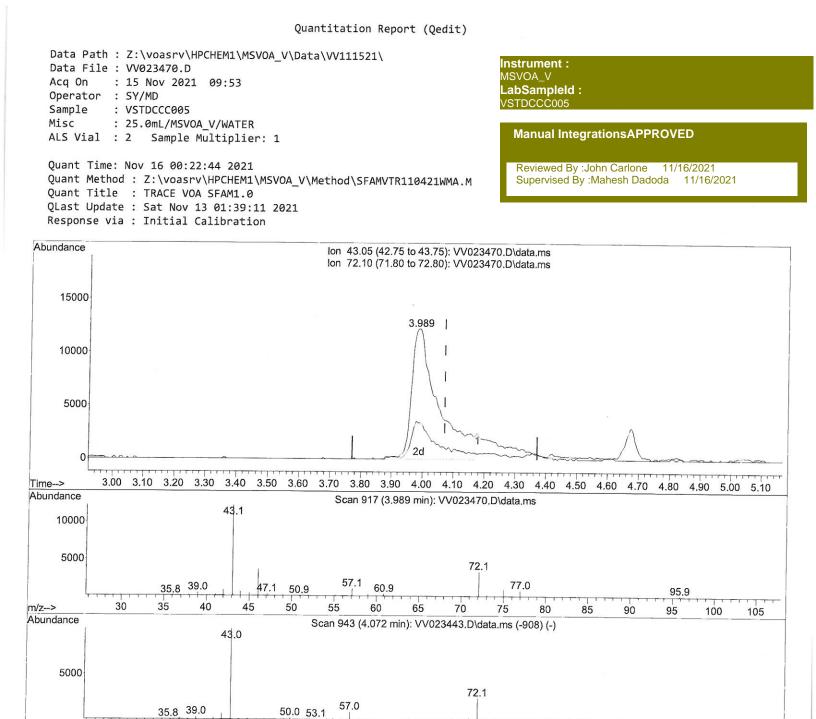
58.05

0.00

0.00







SFAMVTR110421WMA.M Tue Nov 16 00:26:13 2021

35

(21) 2-Butanone (T)

40

3.989min (-0.084) 49.81 ug/L m

72304

Exp%

100.00

23.90

0.00

0.00

45

Act%

1.07#

0.00

0.00

100.00

50

55

60

11/22/21

65

TIC: VV023470.D\data.ms

70

75

80

85

90

95

100

105

30

response

Ion

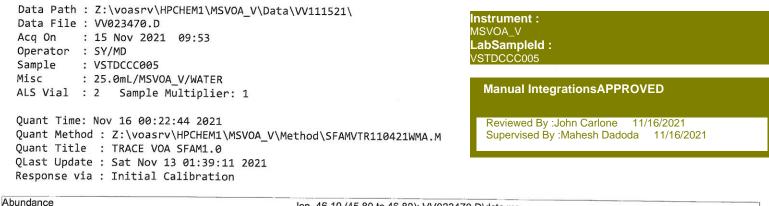
43.05

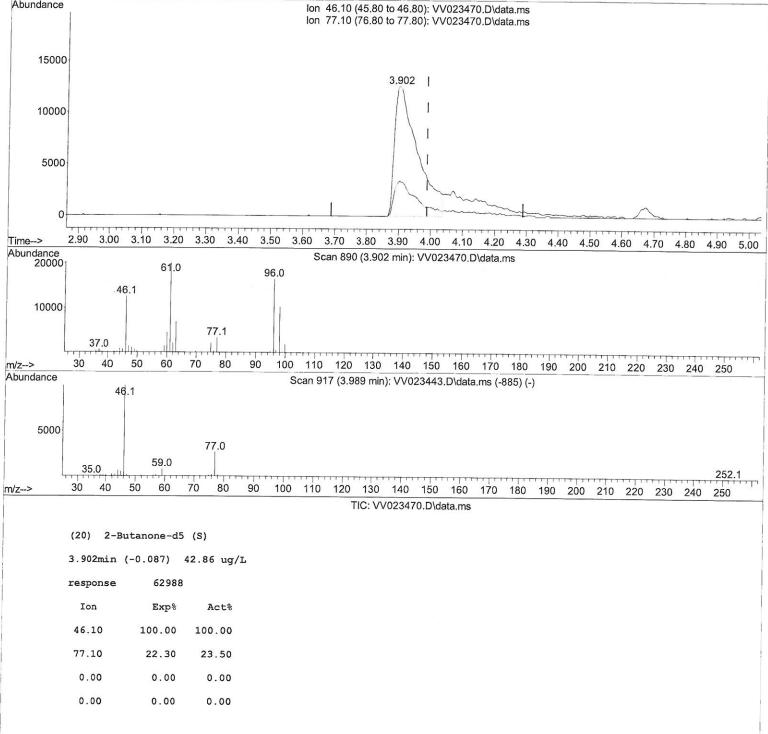
72.10

0.00

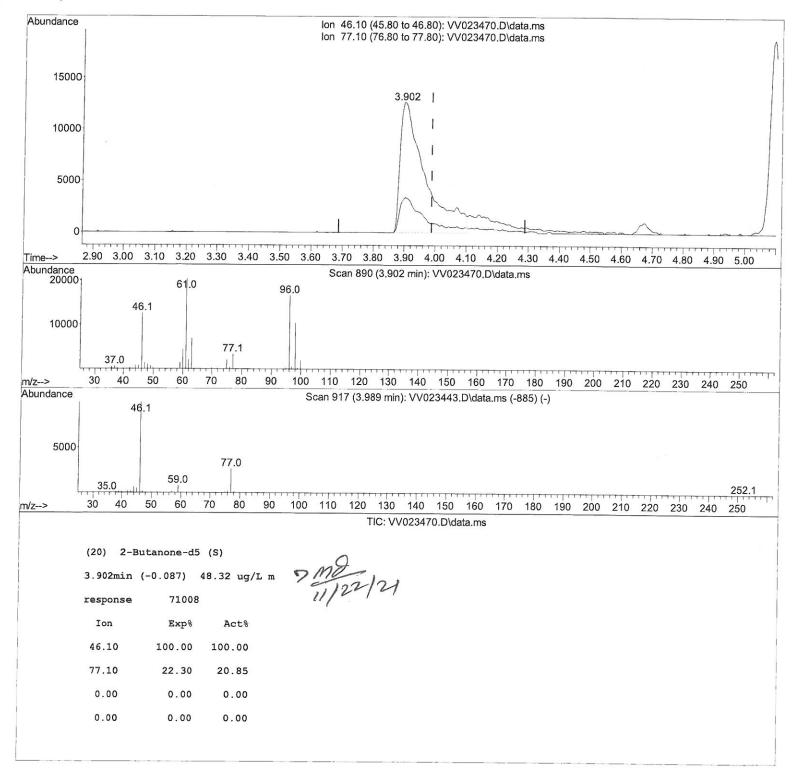
0.00

m/z-->









| Data Path : Z:\voasrv\HPCHEM<br>Data File : VV023470.D<br>Acq On : 15 Nov 2021 09:9<br>Operator : SY/MD<br>Sample : VSTDCCC005<br>Misc : 25.0mL/MSVOA_V/WA<br>ALS Vial : 2 Sample Multip<br>Quant Time: Nov 16 00:22:44 2<br>Quant Method : Z:\voasrv\HPCH<br>Quant Title : TRACE VOA SFAM<br>QLast Update : Sat Nov 13 01:<br>Response via : Initial Calibr | 53<br>ATER<br>Dlier: 1<br>2021<br>HEM1\MSVOA_V\Met<br>11.0<br>39:11 2021                 |   | Instrument :<br>MSVOA_V<br>LabSampleId :<br>VSTDCCC005<br>Manual IntegrationsAPPROVED<br>Reviewed By :John Carlone 11/16/2021<br>Supervised By :Mahesh Dadoda 11/16/2021 |
|--|--|---|--|
| Compound   | R.T. QION  | Response Conc Units Dev   | (Min)  |
| <pre>Internal Standards 1) 1,4-Difluorobenzene 28) Chlorobenzene-d5 58) 1,4-Dichlorobenzene-d4 System Monitoring Compounds 4) Vinyl Chloride-d3</pre>  | 5.612 114<br>8.850 117<br>11.249 152<br>1.304 65   | 135870 5.000 ug/L<br>78255 5.000 ug/L   | <br>-0.02<br>0.00<br>0.00  |
| Spiked Amount 5.000<br>7) Chloroethane-d5<br>Spiked Amount 5.000<br>11) 1,1-Dichloroethene-d2  | Range 40 - 13<br>1.568 69<br>Range 65 - 13<br>2.108 63                                   | 0 Recovery = 118.800<br>38567 5.548 ug/L<br>0 Recovery = 111.000  | %<br>0.00<br>%   |
| Spiked Amount 5.000<br>20) 2-Butanone-d5<br>Spiked Amount 50.000<br>24) Chloroform-d<br>Spiked Amount 5.000<br>26) 1,2-Dichloroethane-d4   | Range 60 - 12<br>3.902 46<br>Range 40 - 13<br>4.342 84<br>Range 70 - 12                  | 5 Recovery = 109.000<br>71008m 48.320 ug/L<br>9 Recovery = 96.640<br>91450 5.031 ug/L<br>5 Recovery = 100.600   | -0.09 11/22/14<br>-0.02  |
| Spiked Amount 5.000<br>32) Benzene-d6<br>Spiked Amount 5.000<br>36) 1,2-Dichloropropane-d6<br>Spiked Amount 5.000  | 5.027 65<br>Range 70 - 130<br>5.047 84<br>Range 70 - 125<br>6.066 67<br>Range 60 - 140   | <ul> <li>Recovery = 101.600%</li> <li>174360 5.001 ug/L</li> <li>Recovery = 100.000%</li> <li>48853 4.760 ug/L</li> <li>Recovery = 95.200%</li> </ul> | -0.01<br>%<br>-0.03  |
| <ul> <li>41) Toluene-d8</li> <li>Spiked Amount 5.000</li> <li>43) trans-1,3-Dichloroprop</li> <li>Spiked Amount 5.000</li> <li>46) 2-Hexanone-d5</li> <li>Spiked Amount 50.000</li> </ul>  | 7.313 98<br>Range 70 - 130<br>. 7.619 79<br>Range 55 - 130<br>8.088 63<br>Range 45 - 130 | Recovery = 105.800%<br>19818 5.093 ug/L<br>Recovery = 101.800%<br>62274 43.496 ug/L   | -0.02<br>-0.02   |
| 56) 1,1,2,2-Tetrachloroeth<br>Spiked Amount 5.000<br>66) 1,2-Dichlorobenzene-d4  |  | 34682 4.699 ug/L<br>Recovery = 94.000%<br>60061 4.609 ug/L  | 0.00   |
| Target Compounds<br>2) Dichlorodifluoromethane<br>3) Chloromethane   | 1.127 85<br>1.240 50   | Qva<br>59280 4.465 ug/L   | 99   |
| 5) Vinyl chloride<br>6) Bromomethane<br>8) Chloroethane  | 1.240 50<br>1.310 62<br>1.523 94<br>1.584 64   | 53514         4.741 ug/L           54073         4.796 ug/L           33920         4.707 ug/L           32488         4.994 ug/L                     | 97<br>100<br>99<br>97  |
| 9) Trichlorofluoromethane<br>10) 1,1,2-Trichloro-1,2,2<br>12) 1,1-Dichloroethene<br>13) Acetone  | 1.751 101<br>. 2.117 101<br>2.117 96<br>2.191 43   | 83246 4.914 ug/L<br>42714 5.009 ug/L<br>39851 4.908 ug/L  | 100<br>97<br>95 me   |
| 14) Carbon disulfide<br>15) Methyl Acetate<br>16) Methylene chloride   | 2.294 76<br>2.439 43<br>2.503 84   | 133140 4.345 ug/L<br>10429 4.104 ug/L<br>46117 3.892 ug/L   | 99 11/22/21<br>99<br>96  |
| <ol> <li>Methyl tert-butyl Ether</li> <li>trans-1,2-Dichloroethene</li> <li>1,1-Dichloroethane</li> <li>2-Butanone</li> </ol>  | 2.767 73<br>2.757 96<br>3.185 63<br>3.989 43   | 84086 4.705 ug/L<br>44181 4.426 ug/L<br>78055 4.632 ug/L<br>72304m 49.805 ug/L  | 95<br>96<br>98   |
| <ul><li>22) cis-1,2-Dichloroethene</li><li>23) Bromochloromethane</li></ul>  | 3.908 96<br>4.246 128  | 44112         4.592         ug/L         #           21621         4.881         ug/L         #   | 90 11/22/24  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111521\ Data File : VV023470.D Acq On : 15 Nov 2021 09:53 Operator : SY/MD Sample : VSTDCCC005 Misc : 25.0mL/MSVOA\_V/WATER ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA\_V LabSampleId : VSTDCCC005

Manual IntegrationsAPPROVED

Reviewed By : John Carlone 11/16/2021 Supervised By :Mahesh Dadoda 11/16/2021

Quant Time: Nov 16 00:22:44 2021 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M Quant Title : TRACE VOA SFAM1.0 QLast Update : Sat Nov 13 01:39:11 2021 Response via : Initial Calibration

|     | Compound                  | R.T.   | QIon | Response | Conc Units Dev( | (Min) |
|-----|---------------------------|--------|------|----------|-----------------|-------|
|     | ) Chloroform              | 4.368  | 83   | 83531    | 4.650 ug/L      | 100   |
| 27  | ) 1,2-Dichloroethane      | 5.127  | 62   | 45716    | 4.785 ug/L      | 99    |
| 29  | ) 1,1,1-Trichloroethane   | 4.603  | 97   | 77048    | 4.669 ug/L      | 99    |
| 30  | ) Cyclohexane             | 4.674  | 56   | 63945    | 4.324 ug/L      | 97    |
| 31  | ) Carbon tetrachloride    | 4.825  | 117  | 72247    | 4.875 ug/L      | 95    |
| 33) | Benzene                   | 5.095  | 78   | 175767   | 4.628 ug/L      | 100   |
| 34) | ) Trichloroethene         | 5.911  | 95   | 48349    | 4.788 ug/L      | 99    |
| 35) | Methylcyclohexane         | 6.127  | 83   | 69128    | 4.337 ug/L      | 97    |
| 37) | 1,2-Dichloropropane       | 6.169  | 63   | 43700    | 4.929 ug/L      | 99    |
| 38) | Bromodichloromethane      | 6.506  | 83   | 55861    | 4.702 ug/L      | 99    |
| 39) | cis-1,3-Dichloropropene   | 7.024  | 75   | 57550    | 4.513 ug/L      | 99    |
| 40) | 4-Methyl-2-pentanone      | 7.223  | 43   | 216414   | 52.632 ug/L     | 97    |
| 42) | Toluene                   | 7.384  | 91   | 198861   | 4.896 ug/L      | 98    |
| 44) | trans-1,3-Dichloropropene | 7.648  | 75   | 52211    | 4.935 ug/L      | 100   |
|     | 1,1,2-Trichloroethane     | 7.837  | 97   | 29938    | 4.700 ug/L      | 97    |
| 47) | Tetrachloroethene         | 7.972  | 164  | 41262    | 4.714 ug/L      | 98    |
| 48) | 2-Hexanone                | 8.140  | 43   | 164944   | 57.248 ug/L     | 98    |
| 49) | Dibromochloromethane      | 8.243  | 129  | 40091    | 4.967 ug/L      | 99    |
|     | 1,2-Dibromoethane         | 8.352  | 107  | 28447    | 4.819 ug/L      | 100   |
|     | Chlorobenzene             | 8.879  | 112  | 125653   | 4.654 ug/L      | 99    |
| 52) | Ethylbenzene              | 9.011  | 91   | 200232   | 4.674 ug/L      | 99    |
| 53) | m,p-xylene                | 9.136  | 106  | 80661    | 4.798 ug/L      | 98    |
| 54) | o-xylene                  | 9.542  | 106  | 75502    | 4.787 ug/L      | 100   |
| 55) | Styrene                   | 9.558  | 104  | 133764   | 4.950 ug/L      | 96    |
| 57) | 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 31766    | 4.551 ug/L      | 99    |
|     | Bromoform                 | 9.731  | 173  | 22606    | 4.836 ug/L      | 99    |
| 50) | Isopropylbenzene          | 9.931  | 105  | 203249   | 4.526 ug/L      | 98    |
| 51) | 1,2,3-Trichloropropane    | 10.271 | 75   | 24117    | 4.639 ug/L      | 97    |
| 52) | 1,3,5-Trimethylbenzene    | 10.538 | 105  | 163741   | 4.398 ug/L      | 99    |
| 53) | 1,2,4-Trimethylbenzene    | 10.914 | 105  | 168563   | 4.548 ug/L      | 99    |
| 54) | 1,3-Dichlorobenzene       | 11.178 | 146  | 104585   | 4.558 ug/L      | 98    |
| 55) | 1,4-Dichlorobenzene       | 11.271 | 146  | 103525   | 4.418 ug/L      | 98    |
| 57) | 1,2-Dichlorobenzene       | 11.641 | 146  | 95968    | 4.674 ug/L      | 97    |
| (8) | 1,2-Dibromo-3-chloropr    | 12.429 | 75   | 5062     | 4.571 ug/L      | 97    |
|     | 1,3,5-Trichlorobenzene    | 12.644 | 180  | 78417    | 4.365 ug/L      | 98    |
|     | 1,2,4-trichlorobenzene    | 13.262 | 180  | 59336    | 4.124 ug/L      | 99    |
|     | Naphthalene               | 13.503 | 128  | 78909    | 3.720 ug/L      | 99    |
|     | 1,2,3-Trichlorobenzene    | 13.744 | 180  | 54497    | 4.330 ug/L      | 96    |

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