

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010521\  
 Data File : VX020501.D  
 Acq On : 05 Jan 2021 16:31  
 Operator : JC/MD  
 Sample : VSTD00163  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD001303

Quant Time: Jan 06 04:38:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR010521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 06 04:37:23 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 155789   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 153977   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 74005    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 12382 | 1.18  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.70  | 69  | 10995 | 1.24  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.34  | 63  | 22758 | 1.10  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.55  | 46  | 25733 | 11.31 | ug/L | 0.02 |
| 24) Chloroform-d               | 5.14  | 84  | 23761 | 1.19  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 6.03  | 65  | 11940 | 1.08  | ug/L | 0.00 |
| 32) Benzene-d6                 | 6.04  | 84  | 46667 | 1.07  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 7.37  | 67  | 14198 | 1.14  | ug/L | 0.00 |
| 41) Toluene-d8                 | 8.70  | 98  | 40166 | 0.95  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.99  | 79  | 4552  | 0.89  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 9.43  | 63  | 19018 | 8.35  | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23 | 84  | 9989  | 1.07  | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 12.36 | 152 | 13406 | 0.97  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |        |      | Qvalue |
|--------------------------------|------|-----|-------|--------|------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 14477 | 1.061  | ug/L | 99     |
| 3) Chloromethane               | 1.31 | 50  | 13544 | 1.155  | ug/L | 96     |
| 5) Vinyl chloride              | 1.39 | 62  | 14830 | 1.129  | ug/L | 99     |
| 6) Bromomethane                | 1.64 | 94  | 7879  | 0.960  | ug/L | 95     |
| 8) Chloroethane                | 1.72 | 64  | 8989  | 1.133  | ug/L | 97     |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 18696 | 1.006  | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101 | 10343 | 0.981  | ug/L | 97     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 10243 | 0.998  | ug/L | 92     |
| 13) Acetone                    | 2.43 | 43  | 14990 | 11.362 | ug/L | 100    |
| 14) Carbon disulfide           | 2.55 | 76  | 33886 | 1.044  | ug/L | 96     |
| 15) Methyl Acetate             | 2.75 | 43  | 3969  | 1.133  | ug/L | 97     |
| 16) Methylene chloride         | 2.84 | 84  | 12409 | 1.003  | ug/L | 94     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 22148 | 0.917  | ug/L | 98     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 10963 | 1.006  | ug/L | 98     |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 20622 | 1.097  | ug/L | 96     |
| 21) 2-Butanone                 | 4.65 | 43  | 24263 | 10.611 | ug/L | 98     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96  | 11731 | 1.010  | ug/L | 98     |
| 23) Bromochloromethane         | 4.98 | 128 | 5714  | 1.176  | ug/L | 92     |
| 25) Chloroform                 | 5.18 | 83  | 22307 | 1.135  | ug/L | 98     |
| 27) 1,2-Dichloroethane         | 6.15 | 62  | 12580 | 1.041  | ug/L | 97     |
| 29) 1,1,1-Trichloroethane      | 5.46 | 97  | 18442 | 0.959  | ug/L | 98     |
| 30) Cyclohexane                | 5.55 | 56  | 15504 | 0.816  | ug/L | 100    |
| 31) Carbon tetrachloride       | 5.75 | 117 | 15300 | 0.928  | ug/L | 95     |
| 33) Benzene                    | 6.11 | 78  | 46256 | 0.974  | ug/L | 100    |
| 34) Trichloroethene            | 7.18 | 95  | 12040 | 0.948  | ug/L | 96     |
| 35) Methylcyclohexane          | 7.44 | 83  | 15259 | 0.747  | ug/L | 100    |
| 37) 1,2-Dichloropropane        | 7.49 | 63  | 11705 | 1.043  | ug/L | 98     |
| 38) Bromodichloromethane       | 7.87 | 83  | 14230 | 0.988  | ug/L | 96     |
| 39) cis-1,3-Dichloropropene    | 8.42 | 75  | 14419 | 0.863  | ug/L | 98     |
| 40) 4-Methyl-2-pentanone       | 8.62 | 43  | 51839 | 8.786  | ug/L | 97     |

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 06 04:37:23 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) Toluene                    | 8.76  | 91   | 46628    | 0.917 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 9.02  | 75   | 11992    | 0.853 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 9.20  | 97   | 8447     | 1.043 | ug/L  | 98       |
| 47) Tetrachloroethene          | 9.32  | 164  | 9471     | 0.956 | ug/L  | 98       |
| 48) 2-Hexanone                 | 9.47  | 43   | 35959    | 8.641 | ug/L  | 98       |
| 49) Dibromochloromethane       | 9.56  | 129  | 8636     | 0.923 | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 9.65  | 107  | 7498     | 0.997 | ug/L  | 96       |
| 51) Chlorobenzene              | 10.12 | 112  | 30840    | 0.967 | ug/L  | 98       |
| 52) Ethylbenzene               | 10.23 | 91   | 45947    | 0.823 | ug/L  | 99       |
| 53) m,p-xylene                 | 10.34 | 106  | 17147    | 0.799 | ug/L  | 92       |
| 54) o-xylene                   | 10.68 | 106  | 16355    | 0.800 | ug/L  | 99       |
| 55) Styrene                    | 10.70 | 104  | 26018    | 0.769 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 9078     | 0.987 | ug/L  | 90       |
| 59) Bromoform                  | 10.84 | 173  | 4660     | 0.960 | ug/L  | 98       |
| 60) Isopropylbenzene           | 11.00 | 105  | 42633    | 0.794 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane     | 11.28 | 75   | 7001     | 1.056 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 31164    | 0.700 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 29996    | 0.664 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene        | 12.01 | 146  | 21836    | 0.905 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene        | 12.08 | 146  | 22282    | 0.918 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene        | 12.38 | 146  | 20415    | 0.920 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 1406     | 0.943 | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 16069    | 0.909 | ug/L  | 95       |
| 70) 1,2,4-trichlorobenzene     | 13.63 | 180  | 11869    | 0.775 | ug/L  | 96       |
| 71) Naphthalene                | 13.82 | 128  | 17258    | 0.643 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 10860    | 0.796 | ug/L  | 96       |

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

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