

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102920\  
 Data File : VX019179.D  
 Acq On : 28 Oct 2020 22:06  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005308

Quant Time: Oct 29 06:35:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR102920WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 29 06:24:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 195871   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.09 | 117  | 175779   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 82970    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 64991    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.60% |
| 7) Chloroethane-d5             | 1.70   | 69    | 54348    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.00% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 126622   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 102.40% |
| 20) 2-Butanone-d5              | 4.56   | 46    | 146812   | 53.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.02% |
| 24) Chloroform-d               | 5.14   | 84    | 123395   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 64374    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80%  |
| 32) Benzene-d6                 | 6.04   | 84    | 248447   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 70136    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.40% |
| 41) Toluene-d8                 | 8.70   | 98    | 232963   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80%  |
| 43) trans-1,3-Dichloropropene- | 8.99   | 79    | 29702    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.60% |
| 46) 2-Hexanone-d5              | 9.43   | 63    | 134967   | 52.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.52% |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 53928    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.60% |
| 66) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 82066    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.60% |

## Target Compounds

|                                |      |     |        |             | Ovalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 81891  | 5.057 ug/L  | 99     |
| 3) Chloromethane               | 1.31 | 50  | 70658  | 5.056 ug/L  | 98     |
| 5) Vinyl chloride              | 1.39 | 62  | 79715  | 5.065 ug/L  | 99     |
| 6) Bromomethane                | 1.64 | 94  | 49653  | 4.896 ug/L  | 97     |
| 8) Chloroethane                | 1.72 | 64  | 48187  | 5.051 ug/L  | 99     |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 115102 | 5.065 ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101 | 66602  | 5.158 ug/L  | 100    |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 63769  | 5.077 ug/L  | 96     |
| 13) Acetone                    | 2.45 | 43  | 80353  | 50.889 ug/L | 99     |
| 14) Carbon disulfide           | 2.55 | 76  | 191333 | 4.911 ug/L  | 100    |
| 15) Methyl Acetate             | 2.76 | 43  | 21285  | 5.052 ug/L  | 98     |
| 16) Methylene chloride         | 2.83 | 84  | 65421  | 4.368 ug/L  | 96     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 151738 | 5.045 ug/L  | 100    |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 67753  | 5.127 ug/L  | 98     |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 113836 | 5.032 ug/L  | 98     |
| 21) 2-Butanone                 | 4.66 | 43  | 136392 | 49.184 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96  | 71173  | 5.057 ug/L  | 100    |

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 ClientSampleId :  
 VSTD005308

Quant Time: Oct 29 06:35:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SFAMXTR102920WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 29 06:24:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 4.98  | 128  | 30038    | 5.133  | ug/L  | 96       |
| 25) Chloroform                 | 5.17  | 83   | 120552   | 5.125  | ug/L  | 94       |
| 27) 1,2-Dichloroethane         | 6.16  | 62   | 75369    | 5.121  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 110559   | 5.095  | ug/L  | 99       |
| 30) Cyclohexane                | 5.54  | 56   | 109503   | 5.062  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 5.75  | 117  | 92868    | 5.023  | ug/L  | 100      |
| 33) Benzene                    | 6.11  | 78   | 267301   | 5.105  | ug/L  | 100      |
| 34) Trichloroethene            | 7.18  | 95   | 71095    | 4.965  | ug/L  | 98       |
| 35) Methylcyclohexane          | 7.43  | 83   | 116512   | 5.031  | ug/L  | 100      |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 63002    | 5.104  | ug/L  | 100      |
| 38) Bromodichloromethane       | 7.87  | 83   | 81377    | 5.064  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 94820    | 5.002  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 344264   | 52.237 | ug/L  | 99       |
| 42) Toluene                    | 8.76  | 91   | 286026   | 5.057  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 9.02  | 75   | 79989    | 5.039  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 9.20  | 97   | 44602    | 4.952  | ug/L  | 97       |
| 47) Tetrachloroethene          | 9.32  | 164  | 55060    | 5.037  | ug/L  | 98       |
| 48) 2-Hexanone                 | 9.48  | 43   | 241096   | 52.301 | ug/L  | 98       |
| 49) Dibromochloromethane       | 9.56  | 129  | 52333    | 5.019  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 9.65  | 107  | 42853    | 5.130  | ug/L  | 93       |
| 51) Chlorobenzene              | 10.12 | 112  | 180441   | 5.039  | ug/L  | 99       |
| 52) Ethylbenzene               | 10.23 | 91   | 319291   | 5.046  | ug/L  | 99       |
| 53) m,p-xylene                 | 10.34 | 106  | 121903   | 5.021  | ug/L  | 99       |
| 54) o-xylene                   | 10.68 | 106  | 120141   | 5.166  | ug/L  | 100      |
| 55) Styrene                    | 10.70 | 104  | 195766   | 5.152  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 53312    | 5.193  | ug/L  | 97       |
| 59) Bromoform                  | 10.84 | 173  | 27034    | 4.963  | ug/L  | 96       |
| 60) Isopropylbenzene           | 11.00 | 105  | 321864   | 5.281  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 11.28 | 75   | 39773    | 5.343  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 269242   | 5.276  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 271862   | 5.255  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene        | 12.01 | 146  | 139332   | 5.146  | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene        | 12.08 | 146  | 137881   | 5.100  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene        | 12.37 | 146  | 128875   | 5.178  | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 8748     | 5.138  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 103052   | 5.185  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene     | 13.63 | 180  | 87934    | 5.070  | ug/L  | 99       |
| 71) Naphthalene                | 13.82 | 128  | 163068   | 5.228  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 81086    | 5.298  | ug/L  | 98       |

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

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ALS Vial  : 26      Sample Multiplier: 1
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QLast Update : Thu Oct 29 06:24:00 2020  
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