

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120921\  
 Data File : VX025690.D  
 Acq On : 10 Dec 2021 03:15  
 Operator : JC/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050724

Quant Time: Dec 10 04:33:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 10 04:16:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 113372     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 107830     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 55029      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367          | 65   | 34718      | 44.872   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 89.740%  |        |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 28825      | 45.140   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.280%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 63   | 64790      | 52.519   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 105.040% |        |          |
| 21) 2-Butanone-d5             | 4.458          | 46   | 47626      | 82.691   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 82.690%  |        |          |
| 24) Chloroform-d              | 5.062          | 84   | 65929      | 48.756   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.520%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.958          | 65   | 40483      | 48.031   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.060%  |        |          |
| 32) Benzene-d6                | 5.976          | 84   | 129652     | 45.367   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.740%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.312          | 67   | 37750      | 42.664   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.320%  |        |          |
| 41) Toluene-d8                | 8.653          | 98   | 124156     | 46.027   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.060%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.951          | 79   | 18612      | 41.839   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.680%  |        |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 35673      | 77.452   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 77.450%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195         | 84   | 55026      | 44.003   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 88.000%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 46837      | 43.395   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.800%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166          | 85   | 37349      | 56.139   | ug/L   | 100      |
| 3) Chloromethane              | 1.294          | 50   | 35746      | 52.056   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.374          | 62   | 38798      | 48.398   | ug/L   | 99       |
| 6) Bromomethane               | 1.599          | 94   | 23165      | 55.237   | ug/L   | 97       |
| 8) Chloroethane               | 1.685          | 64   | 25364      | 47.495   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.886          | 101  | 63000      | 50.361   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331          | 101  | 35196      | 53.574   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 32057      | 52.657   | ug/L # | 81       |
| 13) Acetone                   | 2.380          | 43   | 37913      | 80.056   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.514          | 76   | 79491      | 53.103   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.703          | 43   | 39054      | 51.026   | ug/L # | 90       |
| 16) Methylene chloride        | 2.794          | 84   | 38082      | 54.084   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.093          | 96   | 33898      | 51.719   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.117          | 73   | 113515     | 50.957   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.611          | 63   | 61505      | 52.399   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.495          | 96   | 39524      | 51.173   | ug/L   | 98       |
| 22) 2-Butanone                | 4.562          | 43   | 57712      | 92.145   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.903          | 128  | 20924      | 51.278   | ug/L   | 96       |
| 25) Chloroform                | 5.099          | 83   | 68606      | 53.709   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120921\  
 Data File : VX025690.D  
 Acq On : 10 Dec 2021 03:15  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050724

Quant Time: Dec 10 04:33:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 10 04:16:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 51470    | 55.399 | ug/L   | 99       |
| 29) Cyclohexane               | 5.470  | 56   | 53024    | 47.998 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.391  | 97   | 60846    | 51.116 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.684  | 117  | 54485    | 51.258 | ug/L   | 100      |
| 33) Benzene                   | 6.043  | 78   | 142093   | 49.327 | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 38400    | 50.681 | ug/L   | 94       |
| 35) Methylcyclohexane         | 7.385  | 83   | 55331    | 46.398 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 7.433  | 63   | 36191    | 50.089 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.824  | 83   | 53367    | 53.038 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 56810    | 48.274 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 111989   | 97.065 | ug/L   | 98       |
| 42) Toluene                   | 8.720  | 91   | 156547   | 49.277 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 53544    | 47.339 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 37771    | 49.260 | ug/L   | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 30042    | 46.753 | ug/L   | 98       |
| 48) 2-Hexanone                | 9.433  | 43   | 85532    | 92.302 | ug/L   | 99       |
| 49) Dibromochloromethane      | 9.525  | 129  | 44720    | 50.602 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 41112    | 50.307 | ug/L   | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 105338   | 50.267 | ug/L   | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 171404   | 50.202 | ug/L   | 99       |
| 53) m,p-Xylene                | 10.305 | 106  | 68547    | 49.564 | ug/L   | 98       |
| 54) o-Xylene                  | 10.646 | 106  | 68110    | 49.198 | ug/L   | 96       |
| 55) Styrene                   | 10.659 | 104  | 116870   | 50.805 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 59074    | 49.894 | ug/L   | 96       |
| 59) Bromoform                 | 10.799 | 173  | 32912    | 48.472 | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 176772   | 49.984 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 47791    | 50.768 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 149366   | 50.497 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 147957   | 49.506 | ug/L # | 80       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 81349    | 50.094 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 80418    | 49.026 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 81440    | 49.597 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 12966    | 49.560 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 54323    | 45.984 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 46045    | 46.369 | ug/L   | 98       |
| 71) Naphthalene               | 13.780 | 128  | 167813   | 49.857 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 47968    | 47.154 | ug/L   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120921\  
 Data File : VX025690.D  
 Acq On : 10 Dec 2021 03:15  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050724

Quant Time: Dec 10 04:33:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 10 04:16:38 2021  
 Response via : Initial Calibration

