

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111424\  
 Data File : VX043850.D  
 Acq On : 14 Nov 2024 14:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050789

Quant Time: Nov 15 03:26:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML111424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 15 03:21:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 6.751  | 114  | 260098   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.049 | 117  | 232316   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 120434   | 50.000 | ug/L  | 0.00     |

|                               |         |       |          |          |      |          |
|-------------------------------|---------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |         |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 44667    | 27.657   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =    | 55.320%# |
| 7) Chloroethane-d5            | 1.642   | 69    | 34818    | 31.994   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =    | 63.980%# |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 22952    | 31.498   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 63.000%  |
| 21) 2-Butanone-d5             | 4.458   | 46    | 84200    | 98.040   | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =    | 98.040%  |
| 24) Chloroform-d              | 5.044   | 84    | 137151   | 39.914   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 79.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.946   | 65    | 86855    | 39.581   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 79.160%  |
| 32) Benzene-d6                | 5.964   | 84    | 239850   | 37.108   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 74.220%  |
| 36) 1,2-Dichloropropane-d6    | 7.299   | 67    | 71886    | 39.051   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =    | 78.100%  |
| 41) Toluene-d8                | 8.641   | 98    | 219031   | 35.839   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 71.680%# |
| 43) trans-1,3-Dichloroprop... | 8.945   | 79    | 37201    | 40.100   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 80.200%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 65933    | 97.233   | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =    | 97.230%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 114159   | 45.070   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =    | 90.140%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 98307    | 39.128   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 78.260%# |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane    | 1.166 | 85  | 80283  | 41.463 | ug/L   | 99  |
| 3) Chloromethane              | 1.294 | 50  | 58818  | 37.656 | ug/L   | 98  |
| 5) Vinyl chloride             | 1.374 | 62  | 67881  | 40.519 | ug/L   | 98  |
| 6) Bromomethane               | 1.593 | 94  | 42693  | 38.547 | ug/L   | 98  |
| 8) Chloroethane               | 1.660 | 64  | 36809  | 40.399 | ug/L   | 99  |
| 9) Trichlorofluoromethane     | 1.867 | 101 | 135882 | 44.939 | ug/L   | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319 | 101 | 80640  | 47.281 | ug/L   | 99  |
| 12) 1,1-Dichloroethene        | 2.306 | 96  | 67598  | 43.125 | ug/L   | 97  |
| 13) Acetone                   | 2.386 | 43  | 70044  | 67.971 | ug/L   | 99  |
| 14) Carbon disulfide          | 2.501 | 76  | 109428 | 33.097 | ug/L   | 99  |
| 15) Methyl Acetate            | 2.703 | 43  | 66692  | 46.978 | ug/L   | 98  |
| 16) Methylene chloride        | 2.782 | 84  | 75211  | 43.927 | ug/L   | 98  |
| 17) trans-1,2-Dichloroethene  | 3.081 | 96  | 67310  | 42.601 | ug/L   | 96  |
| 18) Methyl tert-butyl Ether   | 3.111 | 73  | 262084 | 47.585 | ug/L   | 100 |
| 19) 1,1-Dichloroethane        | 3.599 | 63  | 127583 | 45.796 | ug/L   | 99  |
| 20) cis-1,2-Dichloroethene    | 4.483 | 96  | 86594  | 45.670 | ug/L   | 99  |
| 22) 2-Butanone                | 4.562 | 43  | 91245  | 81.526 | ug/L   | 97  |
| 23) Bromochloromethane        | 4.897 | 128 | 45839  | 44.986 | ug/L   | 95  |
| 25) Chloroform                | 5.086 | 83  | 149017 | 46.165 | ug/L   | 95  |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050789

Quant Time: Nov 15 03:26:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 15 03:21:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 114407   | 45.205 | ug/L   | 96       |
| 29) Cyclohexane               | 5.452  | 56   | 104130   | 43.134 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.373  | 97   | 131010   | 45.251 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.659  | 117  | 113301   | 45.352 | ug/L   | 100      |
| 33) Benzene                   | 6.025  | 78   | 280911   | 44.322 | ug/L   | 100      |
| 34) Trichloroethene           | 7.116  | 95   | 85834    | 40.799 | ug/L   | 97       |
| 35) Methylcyclohexane         | 7.372  | 83   | 121227   | 45.085 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 7.421  | 63   | 72933    | 47.164 | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 100343   | 46.779 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 123151   | 47.045 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 180306   | 98.935 | ug/L   | 100      |
| 42) Toluene                   | 8.714  | 91   | 314845   | 45.521 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 117229   | 48.281 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 83805    | 47.031 | ug/L   | 98       |
| 46) Tetrachloroethene         | 9.268  | 164  | 67013    | 44.282 | ug/L   | 91       |
| 48) 2-Hexanone                | 9.427  | 43   | 138744   | 92.498 | ug/L   | 99       |
| 49) Dibromochloromethane      | 9.518  | 129  | 84106    | 47.993 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 90060    | 47.010 | ug/L # | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 219872   | 46.531 | ug/L   | 98       |
| 52) Ethylbenzene              | 10.189 | 91   | 347928   | 45.983 | ug/L   | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 141036   | 46.367 | ug/L   | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 141098   | 46.591 | ug/L   | 97       |
| 55) Styrene                   | 10.652 | 104  | 239400   | 48.568 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 126573   | 49.251 | ug/L   | 96       |
| 59) Bromoform                 | 10.799 | 173  | 59668    | 47.842 | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.957 | 105  | 373613   | 46.119 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 93647    | 45.585 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 318266   | 46.654 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 316052   | 46.538 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 177475   | 46.115 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 176809   | 45.998 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 181330   | 46.208 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 24784    | 49.920 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 125528   | 48.669 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 113427   | 49.147 | ug/L   | 100      |
| 71) Naphthalene               | 13.774 | 128  | 402166   | 49.998 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 117236   | 49.476 | ug/L   | 99       |

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

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