

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050224\  
 Data File : VV035521.D  
 Acq On : 02 May 2024 14:26  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050349

Quant Time: May 03 05:15:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 05:13:05 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 5.532  | 114  | 400224   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.783  | 117  | 397759   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.185 | 152  | 208154   | 50.000 | ug/L  | 0.00     |

|                               |         |       |          |          |      |          |
|-------------------------------|---------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |         |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.275   | 65    | 134136   | 43.467   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =    | 86.940%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 122881   | 54.034   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =    | 108.060% |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 58029    | 43.806   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 87.620%  |
| 21) 2-Butanone-d5             | 3.786   | 46    | 236621   | 113.613  | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =    | 113.610% |
| 24) Chloroform-d              | 4.246   | 84    | 305784   | 54.021   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 108.040% |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 192481   | 57.742   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 115.480% |
| 32) Benzene-d6                | 4.957   | 84    | 567235   | 50.664   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =    | 101.320% |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 186676   | 53.476   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =    | 106.960% |
| 41) Toluene-d8                | 7.239   | 98    | 504366   | 49.491   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 98.980%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 82006    | 48.200   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =    | 96.400%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 185177   | 115.434  | ug/L | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =    | 115.430% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 299550   | 56.314   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =    | 112.620% |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 202851   | 49.051   | ug/L | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =    | 98.100%  |

|                               |       |     |        |         |        |     |
|-------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds              |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane    | 1.105 | 85  | 108405 | 40.431  | ug/L   | 99  |
| 3) Chloromethane              | 1.214 | 50  | 148254 | 51.040  | ug/L   | 100 |
| 5) Vinyl chloride             | 1.281 | 62  | 143299 | 46.847  | ug/L   | 99  |
| 6) Bromomethane               | 1.484 | 94  | 102638 | 52.773  | ug/L   | 99  |
| 8) Chloroethane               | 1.545 | 64  | 102893 | 58.503  | ug/L   | 98  |
| 9) Trichlorofluoromethane     | 1.709 | 101 | 181625 | 44.135  | ug/L   | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066 | 101 | 110999 | 42.554  | ug/L   | 99  |
| 12) 1,1-Dichloroethene        | 2.066 | 96  | 108447 | 46.544  | ug/L   | 92  |
| 13) Acetone                   | 2.117 | 43  | 179261 | 92.972  | ug/L   | 100 |
| 14) Carbon disulfide          | 2.236 | 76  | 274333 | 44.819  | ug/L   | 100 |
| 15) Methyl Acetate            | 2.371 | 43  | 188583 | 60.295  | ug/L   | 98  |
| 16) Methylene chloride        | 2.445 | 84  | 169540 | 57.427  | ug/L   | 99  |
| 17) trans-1,2-Dichloroethene  | 2.693 | 96  | 124052 | 50.371  | ug/L   | 98  |
| 18) Methyl tert-butyl Ether   | 2.703 | 73  | 526117 | 60.745  | ug/L   | 100 |
| 19) 1,1-Dichloroethane        | 3.108 | 63  | 282754 | 54.677  | ug/L   | 98  |
| 20) cis-1,2-Dichloroethene    | 3.812 | 96  | 159328 | 54.395  | ug/L   | 98  |
| 22) 2-Butanone                | 3.867 | 43  | 253522 | 111.071 | ug/L   | 98  |
| 23) Bromochloromethane        | 4.146 | 128 | 95065  | 59.343  | ug/L   | 97  |
| 25) Chloroform                | 4.275 | 83  | 300894 | 56.372  | ug/L   | 99  |

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 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050349

Quant Time: May 03 05:15:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 05:13:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 234409   | 61.363  | ug/L  | 100      |
| 29) Cyclohexane               | 4.580  | 56   | 144737   | 40.756  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 227383   | 49.951  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 183855   | 46.712  | ug/L  | 98       |
| 33) Benzene                   | 5.008  | 78   | 569423   | 53.014  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 140324   | 49.093  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 160660   | 39.843  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 171599   | 58.147  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 232032   | 57.150  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 234470   | 50.612  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 499159   | 126.713 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 578297   | 51.320  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 232346   | 52.801  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 187680   | 59.464  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.905  | 164  | 101557   | 43.990  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 395656   | 123.442 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 192325   | 58.213  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 195607   | 59.320  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 383427   | 49.016  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 576816   | 47.382  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 220434   | 48.810  | ug/L  | 97       |
| 54) o-Xylene                  | 9.477  | 106  | 223782   | 49.175  | ug/L  | 99       |
| 55) Styrene                   | 9.493  | 104  | 424483   | 53.971  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 312618   | 57.890  | ug/L  | 100      |
| 59) Bromoform                 | 9.664  | 173  | 157646   | 58.554  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 571921   | 47.580  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 248177   | 59.430  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 455543   | 47.353  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 469125   | 48.632  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 302199   | 48.551  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 310480   | 47.273  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 327437   | 50.282  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 73137    | 59.469  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 214270   | 45.353  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 194345   | 46.696  | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 650043   | 55.726  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 220761   | 51.101  | ug/L  | 99       |

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

