

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121324\  
 Data File : VX044278.D  
 Acq On : 13 Dec 2024 13:38  
 Operator : JC/MD  
 Sample : P5252-07MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F7J20MSD

Quant Time: Dec 13 22:48:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 03:56:15 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/16/2024  
 Supervised By : Mahesh Dadoda 12/17/2024

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.757          | 114  | 206633     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 182352     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 84743      | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 74426      | 39.359  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 78.720% |        |          |
| 7) Chloroethane-d5            | 1.648          | 69   | 60582m     | 41.359  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.720% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.294          | 65   | 32582      | 40.290  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 80.580% |        |          |
| 21) 2-Butanone-d5             | 4.465          | 46   | 108095     | 93.368  | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 93.370% |        |          |
| 24) Chloroform-d              | 5.050          | 84   | 167718     | 46.714  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.420% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 113863     | 44.846  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.700% |        |          |
| 32) Benzene-d6                | 5.970          | 84   | 291696     | 46.295  | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.580% |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.305          | 67   | 91435      | 46.735  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.460% |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 255669     | 43.885  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.760% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.945          | 79   | 43133      | 45.877  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.760% |        |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 73010      | 95.708  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.710% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 126999     | 48.410  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.820% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 90779      | 45.976  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.960% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166          | 85   | 78992      | 47.139  | ug/L   | 99       |
| 3) Chloromethane              | 1.294          | 50   | 75983      | 49.152  | ug/L   | 96       |
| 5) Vinyl chloride             | 1.374          | 62   | 79987      | 47.959  | ug/L   | 95       |
| 6) Bromomethane               | 1.593          | 94   | 56381      | 49.737  | ug/L   | 98       |
| 8) Chloroethane               | 1.660          | 64   | 49657      | 44.974  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.867          | 101  | 139418     | 44.865  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319          | 101  | 66648      | 48.699  | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.306          | 96   | 60798      | 49.911  | ug/L # | 69       |
| 13) Acetone                   | 2.386          | 43   | 67878      | 65.890  | ug/L   | 92       |
| 14) Carbon disulfide          | 2.501          | 76   | 101259     | 43.881  | ug/L   | 97       |
| 15) Methyl Acetate            | 2.703          | 43   | 76165      | 45.593  | ug/L   | 96       |
| 16) Methylene chloride        | 2.782          | 84   | 70684      | 50.424  | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 3.087          | 96   | 61456      | 48.441  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.117          | 73   | 245362     | 47.929  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.599          | 63   | 134749     | 50.629  | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.483          | 96   | 77534      | 49.992  | ug/L   | 93       |
| 22) 2-Butanone                | 4.562          | 43   | 103503     | 83.244  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.897          | 128  | 39153      | 51.766  | ug/L   | 90       |
| 25) Chloroform                | 5.092          | 83   | 150038     | 50.088  | ug/L   | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 122624   | 49.241  | ug/L   | 96       |
| 29) Cyclohexane               | 5.458  | 56   | 110415   | 48.802  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 125615   | 50.746  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 98850    | 50.984  | ug/L   | 98       |
| 33) Benzene                   | 6.031  | 78   | 284389   | 51.357  | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 282352   | 186.761 | ug/L   | 96       |
| 35) Methylcyclohexane         | 7.373  | 83   | 108394   | 49.493  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 76974    | 51.767  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 98460    | 50.542  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 119617   | 51.361  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 213920   | 92.929  | ug/L   | 94       |
| 42) Toluene                   | 8.714  | 91   | 296789   | 50.583  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 109103   | 49.425  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 76030    | 49.896  | ug/L   | 99       |
| 46) Tetrachloroethene         | 9.269  | 164  | 67134    | 66.568  | ug/L   | 94       |
| 48) 2-Hexanone                | 9.433  | 43   | 158518   | 87.459  | ug/L   | 94       |
| 49) Dibromochloromethane      | 9.518  | 129  | 67359    | 50.012  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 78987    | 50.195  | ug/L   | 96       |
| 51) Chlorobenzene             | 10.079 | 112  | 184790   | 49.090  | ug/L   | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 323653   | 50.078  | ug/L   | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 120323   | 51.400  | ug/L   | 96       |
| 54) o-Xylene                  | 10.640 | 106  | 120481   | 50.050  | ug/L   | 99       |
| 55) Styrene                   | 10.652 | 104  | 197505   | 50.306  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 118929   | 50.313  | ug/L # | 97       |
| 59) Bromoform                 | 10.799 | 173  | 40045    | 47.095  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.957 | 105  | 317892   | 48.613  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 90055    | 45.882  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 261977   | 48.275  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 260485   | 48.909  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 131659   | 48.548  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 132971   | 48.997  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 136203   | 49.464  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 20115    | 45.093  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 80659    | 47.670  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 72755    | 48.272  | ug/L   | 98       |
| 71) Naphthalene               | 13.774 | 128  | 278217   | 45.278  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 77434    | 48.363  | ug/L   | 99       |

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

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