Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042624\
Data File : VV035437.D
Acq On : 26 Apr 2024 19:15
Operator : SY/MD
Sample : P2204-05MS 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** E1CX4MS

Quant Time: Apr 27 00:37:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 00:18:54 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.532 | 114 | 526960 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.783 | 117 | 519663 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.181 | 152 | 277239 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 184623 | 43.595 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 87.200% | | | |
| 7) Chloroethane-d5 | 1.529 | 69 | 144109 | 59.392 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 118.780% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.053 | 65 | 76431 | 44.158 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 88.320% | | | |
| 21) 2-Butanone-d5 | 3.796 | 46 | 220980 | 101.812 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 101.810% | | | |
| 24) Chloroform-d | 4.246 | 84 | 335839 | 47.128 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.260% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.937 | 65 | 197712 | 47.634 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.260% | | | |
| 32) Benzene-d6 | 4.957 | 84 | 652689 | 47.794 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.580% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.986 | 67 | 202302 | 48.013 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 96.020% | | | |
| 41) Toluene-d8 | 7.239 | 98 | 600252 | 48.766 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.540% | | | |
| 43) trans-1,3-Dichloroprop... | 7.551 | 79 | 96288 | 48.851 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 97.700% | | | |
| 47) 2-Hexanone-d5 | 8.027 | 63 | 138710 | 114.196 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 114.200% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84 | 300275 | 50.001 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 100.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.558 | 152 | 236002 | 48.655 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.108 | 85 | 173602 | 44.810 | ug/L | 100 |
| 3) Chloromethane | 1.214 | 50 | 186279 | 47.383 | ug/L | 98 |
| 5) Vinyl chloride | 1.282 | 62 | 195706 | 47.190 | ug/L | 100 |
| 6) Bromomethane | 1.487 | 94 | 117575 | 48.407 | ug/L | 98 |
| 8) Chloroethane | 1.545 | 64 | 120254 | 65.684 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.706 | 101 | 265141 | 47.334 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063 | 101 | 161090 | 45.903 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.066 | 96 | 149989 | 48.175 | ug/L | 94 |
| 13) Acetone | 2.127 | 43 | 199315 | 77.279 | ug/L | 98 |
| 14) Carbon disulfide | 2.236 | 76 | 403289 | 46.633 | ug/L | 100 |
| 15) Methyl Acetate | 2.375 | 43 | 200438 | 51.244 | ug/L | 98 |
| 16) Methylene chloride | 2.442 | 84 | 194334 | 49.352 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 2.690 | 96 | 162593 | 48.575 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.703 | 73 | 583735 | 51.778 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.108 | 63 | 344863 | 49.772 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.809 | 96 | 191944 | 50.973 | ug/L | 100 |
| 22) 2-Butanone | 3.876 | 43 | 275799 | 96.660 | ug/L | 99 |
| 23) Bromochloromethane | 4.143 | 128 | 105791 | 50.485 | ug/L | 99 |
| 25) Chloroform | 4.272 | 83 | 354532 | 49.501 | ug/L | 99 |

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Sample : P2204-05MS 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
E1CX4MS

Quant Time: Apr 27 00:37:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 00:18:54 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.037 | 62 | 269093 | 51.163 | ug/L | 100 |
| 29) Cyclohexane | 4.577 | 56 | 231863 | 48.517 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.506 | 97 | 295049 | 49.907 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.732 | 117 | 251054 | 48.605 | ug/L | 99 |
| 33) Benzene | 5.005 | 78 | 717159 | 51.574 | ug/L | 100 |
| 34) Trichloroethene | 5.831 | 95 | 182171 | 48.304 | ug/L | 98 |
| 35) Methylcyclohexane | 6.047 | 83 | 258109 | 47.302 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.088 | 63 | 200877 | 51.744 | ug/L | 100 |
| 38) Bromodichloromethane | 6.429 | 83 | 265123 | 50.576 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 6.950 | 75 | 305141 | 53.107 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.156 | 43 | 507106 | 109.385 | ug/L | 96 |
| 42) Toluene | 7.313 | 91 | 759240 | 52.104 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.577 | 75 | 289265 | 52.444 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.764 | 97 | 206493 | 50.936 | ug/L | 99 |
| 46) Tetrachloroethene | 7.902 | 164 | 141588 | 47.857 | ug/L | 99 |
| 48) 2-Hexanone | 8.075 | 43 | 429887 | 109.078 | ug/L | 97 |
| 49) Dibromochloromethane | 8.172 | 129 | 211179 | 50.957 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.278 | 107 | 214526 | 52.015 | ug/L | 100 |
| 51) Chlorobenzene | 8.812 | 112 | 507849 | 49.425 | ug/L | 99 |
| 52) Ethylbenzene | 8.944 | 91 | 813240 | 51.075 | ug/L | 100 |
| 53) m,p-Xylene | 9.069 | 106 | 309720 | 51.397 | ug/L | 99 |
| 54) o-Xylene | 9.474 | 106 | 305749 | 51.889 | ug/L | 98 |
| 55) Styrene | 9.493 | 104 | 547446 | 53.872 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83 | 350133 | 53.132 | ug/L | 98 |
| 59) Bromoform | 9.661 | 173 | 164863 | 50.089 | ug/L | 99 |
| 60) Isopropylbenzene | 9.863 | 105 | 807713 | 50.783 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.207 | 75 | 268453 | 51.732 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.474 | 105 | 658053 | 51.357 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.850 | 105 | 667657 | 53.220 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.114 | 146 | 406586 | 49.346 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.207 | 146 | 416452 | 48.187 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 11.577 | 146 | 423879 | 50.775 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75 | 64022 | 54.533 | ug/L | 99 |
| 69) 1,3,5-Trichlorobenzene | 12.580 | 180 | 286876 | 49.140 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.194 | 180 | 227033 | 48.988 | ug/L | 99 |
| 71) Naphthalene | 13.435 | 128 | 503178 | 49.768 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 13.677 | 180 | 235744 | 52.204 | ug/L | 100 |

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

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