Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
Data File : VV037562.D
Acq On : 26 Sep 2024 20:26
Operator : SY/MD
Sample : P4184-14
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 27 00:55:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 27 00:49:09 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
EY040

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.529 | 114 | 690045 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.779 | 117 | 667757 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.178 | 152 | 362213 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 273502 | 45.151 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 90.300% | | | |
| 7) Chloroethane-d5 | 1.532 | 69 | 205416 | 43.688 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 87.380% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.059 | 65 | 110726 | 43.752 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 87.500% | | | |
| 21) 2-Butanone-d5 | 3.809 | 46 | 223708 | 103.685 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 103.690% | | | |
| 24) Chloroform-d | 4.243 | 84 | 448498 | 41.616 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 83.240% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.937 | 65 | 270130 | 42.823 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.640% | | | |
| 32) Benzene-d6 | 4.953 | 84 | 913460 | 43.716 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.440% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.982 | 67 | 290364 | 43.639 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 87.280% | | | |
| 41) Toluene-d8 | 7.239 | 98 | 830485 | 43.831 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.660% | | | |
| 43) trans-1,3-Dichloroprop... | 7.548 | 79 | 133134 | 43.073 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 86.140% | | | |
| 47) 2-Hexanone-d5 | 8.024 | 63 | 136566 | 97.200 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 97.200% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84 | 346832 | 44.862 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 89.720% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.554 | 152 | 341111 | 44.692 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 89.380% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.285 | 62 | 1517628 | 248.215 | ug/L | 99 |
| 8) Chloroethane | 1.548 | 64 | 661438 | 175.517 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.069 | 96 | 435885 | 94.882 | ug/L # | 72 |
| 16) Methylene chloride | 2.445 | 84 | 19611 | 3.770 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.690 | 96 | 244878 | 50.386 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.092 | 63 | 24193292m | 2598.194 | ug/L | |
| 20) cis-1,2-Dichloroethene | 3.793 | 96 | 28518629m | 5243.761 | ug/L | |
| 22) 2-Butanone | 3.902 | 43 | 29048m | 12.408 | ug/L | |
| 27) 1,2-Dichloroethane | 5.037 | 62 | 154783 | 22.742 | ug/L | 100 |
| 30) 1,1,1-Trichloroethane | 4.506 | 97 | 13027516 | 1584.028 | ug/L | 99 |
| 33) Benzene | 5.008 | 78 | 167718 | 8.328 | ug/L | 100 |
| 34) Trichloroethene | 5.828 | 95 | 270965 | 50.523 | ug/L | 99 |
| 35) Methylcyclohexane | 6.043 | 83 | 25139 | 3.047 | ug/L | 95 |
| 40) 4-Methyl-2-pentanone | 7.172 | 43 | 18410 | 4.348 | ug/L | 95 |
| 42) Toluene | 7.307 | 91 | 2882122 | 138.048 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 7.773 | 97 | 13035 | 2.610 | ug/L | 94 |
| 46) Tetrachloroethene | 7.902 | 164 | 92066 | 22.452 | ug/L | 98 |
| 52) Ethylbenzene | 8.940 | 91 | 1738222 | 73.964 | ug/L | 99 |
| 53) m,p-Xylene | 9.066 | 106 | 1663994 | 190.250 | ug/L | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) | o-Xylene | 9.471 | 106 | 1224287 | 143.376 | ug/L | 97 |
| 60) | Isopropylbenzene | 9.863 | 105 | 188159 | 7.990 | ug/L | 99 |
| 62) | 1,3,5-Trimethylbenzene | 10.471 | 105 | 1219228 | 65.487 | ug/L | 99 |
| 63) | 1,2,4-Trimethylbenzene | 10.844 | 105 | 5366536 | 289.703 | ug/L | 99 |
| 67) | 1,2-Dichlorobenzene | 11.574 | 146 | 16281 | 1.453 | ug/L | 96 |

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

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