Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112124\
Data File : VU061913.D
Acq On : 21 Nov 2024 12:49
Operator : MD/SY
Sample : P4776-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 23:16:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 23:06:37 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2024-07

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.242 | 114 | 184458 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 160231 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152 | 69612 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 36985 | 4.088 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 81.800% | | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 34225 | 4.276 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 85.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.560 | 65 | 16423 | 4.543 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 90.800% | | | |
| 20) 2-Butanone-d5 | 4.618 | 46 | 128457 | 45.211 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 90.420% | | | |
| 24) Chloroform-d | 5.052 | 84 | 94907 | 4.300 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.000% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.692 | 65 | 51963 | 4.574 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.400% | | | |
| 32) Benzene-d6 | 5.718 | 84 | 163063 | 5.223 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 69380 | 6.540 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 130.800% | | | |
| 41) Toluene-d8 | 7.891 | 98 | 131718 | 5.059 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.200% | | | |
| 43) trans-1,3-Dichloroprop... | 8.174 | 79 | 19559 | 4.981 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 99.600% | | | |
| 46) 2-Hexanone-d5 | 8.627 | 63 | 81709 | 45.585 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 91.160% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84 | 56287 | 5.310 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 106.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 52560 | 5.106 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 102.200% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 2669 | 0.165 | ug/L | 95 |
| 3) Chloromethane | 1.518 | 50 | 3387 | 0.204 | ug/L | 99 |
| 5) Vinyl chloride | 1.602 | 62 | 3130 | 0.183 | ug/L # | 56 |
| 6) Bromomethane | 1.850 | 94 | 2030 | 0.200 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.132 | 101 | 4239 | 0.196 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576 | 101 | 2730 | 0.205 | ug/L | 87 |
| 12) 1,1-Dichloroethene | 2.570 | 96 | 2498 | 0.202 | ug/L # | 1 |
| 14) Carbon disulfide | 2.788 | 76 | 6671 | 0.170 | ug/L | 99 |
| 16) Methylene chloride | 3.039 | 84 | 2727 | 0.184 | ug/L | 91 |
| 17) Methyl tert-butyl Ether | 3.358 | 73 | 5598 | 0.177 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.358 | 96 | 2412 | 0.184 | ug/L | 76 |
| 19) 1,1-Dichloroethane | 3.862 | 63 | 4378 | 0.172 | ug/L # | 83 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 2559 | 0.174 | ug/L | 96 |
| 23) Bromochloromethane | 4.968 | 128 | 1093 | 0.171 | ug/L | 93 |
| 25) Chloroform | 5.078 | 83 | 5751 | 0.216 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.795 | 62 | 3023 | 0.176 | ug/L # | 87 |
| 30) Cyclohexane | 5.383 | 56 | 3445 | 0.178 | ug/L # | 65 |
| 31) Carbon tetrachloride | 5.518 | 117 | 3000 | 0.191 | ug/L | 98 |
| 33) Benzene | 5.772 | 78 | 10326 | 0.213 | ug/L | 100 |

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Quant Title : TRACE VOA SFAM1.0
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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) Methylcyclohexane | 6.753 | 83 | 4359 | 0.221 ug/L | 93 |
| 37) 1,2-Dichloropropane | 6.785 | 63 | 3054 | 0.243 ug/L # | 87 |
| 38) Bromodichloromethane | 7.103 | 83 | 3429 | 0.225 ug/L # | 98 |
| 39) cis-1,3-Dichloropropene | 7.605 | 75 | 3348 | 0.190 ug/L | 96 |
| 40) 4-Methyl-2-pentanone | 7.788 | 43 | 13700m | 2.020 ug/L | |
| 42) Toluene | 7.965 | 91 | 9931 | 0.196 ug/L | 96 |
| 44) trans-1,3-Dichloropropene | 8.213 | 75 | 2635 | 0.188 ug/L | 87 |
| 45) 1,1,2-Trichloroethane | 8.396 | 97 | 1681 | 0.182 ug/L | 96 |
| 49) Dibromochloromethane | 8.801 | 129 | 1530 | 0.156 ug/L | 94 |
| 50) 1,2-Dibromoethane | 8.923 | 107 | 1539 | 0.167 ug/L # | 99 |
| 51) Chlorobenzene | 9.444 | 112 | 6515 | 0.187 ug/L | 98 |
| 52) Ethylbenzene | 9.566 | 91 | 9841 | 0.162 ug/L | 95 |
| 53) m,p-Xylene | 9.692 | 106 | 3878 | 0.181 ug/L | 97 |
| 54) o-Xylene | 10.100 | 106 | 3509 | 0.162 ug/L | 100 |
| 55) Styrene | 10.119 | 104 | 4835 | 0.136 ug/L | 89 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 2794 | 0.235 ug/L # | 93 |
| 59) Bromoform | 10.287 | 173 | 976 | 0.189 ug/L # | 84 |
| 60) Isopropylbenzene | 10.479 | 105 | 9653 | 0.178 ug/L | 95 |
| 61) 1,2,3-Trichloropropane | 10.817 | 75 | 1876 | 0.233 ug/L # | 90 |
| 62) 1,3,5-Trimethylbenzene | 11.084 | 105 | 8655 | 0.200 ug/L | 94 |
| 63) 1,2,4-Trimethylbenzene | 11.467 | 105 | 6542 | 0.152 ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.743 | 146 | 4215 | 0.175 ug/L | 91 |
| 65) 1,4-Dichlorobenzene | 11.833 | 146 | 4514 | 0.194 ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 12.206 | 146 | 4349 | 0.208 ug/L | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 13.003 | 75 | 152 | 0.111 ug/L # | 46 |
| 69) 1,3,5-Trichlorobenzene | 13.222 | 180 | 2724 | 0.190 ug/L | 96 |
| 71) Naphthalene | 14.116 | 128 | 3529 | 0.199 ug/L # | 82 |
| 72) 1,2,3-Trichlorobenzene | 14.335 | 180 | 2162 | 0.228 ug/L # | 88 |

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

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