Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072324\
Data File : VW029708.D
Acq On : 23 Jul 2024 16:18
Operator : SY/MD
Sample : P3278-19MS
Misc : 8.49g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E1ZS0MS

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 24 01:17:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 24 01:12:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 274398 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 275872 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 135429 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 36946 | 8.335 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 33.320% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 39396 | 12.343 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 49.360% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 19317 | 9.705 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 38.800%# | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 35839 | 26.934 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 53.860% | | | |
| 24) Chloroform-d | 7.648 | 84 | 145478 | 18.339 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 73.360% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 82784 | 17.792 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 71.160% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 242342 | 14.664 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 58.640% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 91006 | 17.223 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 68.880%# | | | |
| 41) Toluene-d8 | 10.325 | 98 | 203206 | 13.981 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 55.920% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 32075 | 14.335 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 57.320% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 27720 | 28.870 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 57.740% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 70688 | 16.477 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 65.920% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 78265 | 16.594 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 66.360%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 27116 | 10.092 | ug/L | 98 |
| 3) Chloromethane | 2.222 | 50 | 54050 | 15.035 | ug/L | 98 |
| 5) Vinyl chloride | 2.375 | 62 | 67245 | 16.391 | ug/L | 94 |
| 6) Bromomethane | 2.789 | 94 | 42057 | 17.313 | ug/L | 95 |
| 8) Chloroethane | 2.936 | 64 | 48059 | 19.037 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 60439 | 16.366 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 62622 | 17.230 | ug/L | 93 |
| 12) 1,1-Dichloroethene | 4.051 | 96 | 60932m | 17.856 | ug/L | |
| 13) Acetone | 4.118 | 43 | 30536 | 22.736 | ug/L | 97 |
| 14) Carbon disulfide | 4.393 | 76 | 160395 | 14.474 | ug/L | 100 |
| 15) Methyl Acetate | 4.673 | 43 | 28586 | 12.123 | ug/L | 98 |
| 16) Methylene chloride | 4.923 | 84 | 79328 | 16.148 | ug/L | 93 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 71267 | 18.866 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 108171 | 16.830 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 163395 | 21.062 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 80999 | 19.609 | ug/L | 96 |
| 22) 2-Butanone | 7.167 | 43 | 42259 | 23.968 | ug/L | 97 |
| 23) Bromochloromethane | 7.514 | 128 | 31439 | 16.921 | ug/L | 98 |
| 25) Chloroform | 7.673 | 83 | 159841 | 21.294 | ug/L | 98 |

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Operator : SY/MD
Sample : P3278-19MS
Misc : 8.49g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E1ZS0MS

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 24 01:17:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 24 01:12:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 98923 | 17.571 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 113791 | 16.565 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 118700 | 18.842 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.069 | 117 | 103979 | 18.023 | ug/L | 98 |
| 33) Benzene | 8.325 | 78 | 328019 | 19.004 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 84744 | 18.592 | ug/L | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 126679 | 17.291 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 92130 | 19.302 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 109556 | 18.792 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 125351 | 17.485 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 89783 | 26.690 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 352687 | 19.973 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 99280 | 16.158 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 53378 | 15.550 | ug/L | 99 |
| 46) Tetrachloroethene | 10.861 | 164 | 57551 | 17.772 | ug/L | 94 |
| 48) 2-Hexanone | 10.965 | 43 | 67092 | 26.548 | ug/L | 98 |
| 49) Dibromochloromethane | 11.129 | 129 | 59065 | 16.534 | ug/L | 91 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 46614 | 14.250 | ug/L | 98 |
| 51) Chlorobenzene | 11.654 | 112 | 218732 | 19.162 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 401943 | 20.091 | ug/L | 98 |
| 53) m,p-Xylene | 11.837 | 106 | 144339 | 19.653 | ug/L | 92 |
| 54) o-Xylene | 12.160 | 106 | 136560 | 20.104 | ug/L | 90 |
| 55) Styrene | 12.178 | 104 | 237263 | 19.864 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 62205 | 14.366 | ug/L | 93 |
| 59) Bromoform | 12.349 | 173 | 29104 | 13.922 | ug/L | 96 |
| 60) Isopropylbenzene | 12.458 | 105 | 381681 | 20.030 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 45085 | 13.756 | ug/L | 100 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 281747 | 20.786 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 304537 | 20.357 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 162155 | 18.985 | ug/L | 96 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 154598 | 17.668 | ug/L | 94 |
| 67) 1,2-Dichlorobenzene | 13.861 | 146 | 133223 | 17.255 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 9373 | 11.962 | ug/L | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 100528 | 18.042 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 75366 | 15.372 | ug/L | 94 |
| 71) Naphthalene | 15.360 | 128 | 131727 | 12.801 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 64634 | 14.510 | ug/L | 95 |

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

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