Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053124\
Data File : VD079110.D
Acq On : 31 May 2024 16:20
Operator : RP/MD
Sample : P2642-03MSD
Misc : 3.90G/10ml/MSVOA_D/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
A4C18MSD

Quant Time: Jun 01 00:36:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 01 00:34:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.775 | 114 | 196979 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 194641 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.516 | 152 | 102838 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.275 | 65 | 140547 | 23.186 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 92.760% | | | |
| 7) Chloroethane-d5 | 2.799 | 69 | 130654 | 22.291 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 89.160% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.922 | 65 | 23704 | 22.028 | ug/L | 0.01 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 88.120% | | | |
| 21) 2-Butanone-d5 | 6.987 | 46 | 23128 | 49.884 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 99.760% | | | |
| 24) Chloroform-d | 7.569 | 84 | 122743 | 22.286 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 89.160% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.228 | 65 | 60829 | 23.942 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.760% | | | |
| 32) Benzene-d6 | 8.199 | 84 | 252315 | 23.384 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.520% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 69354 | 22.313 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 89.240% | | | |
| 41) Toluene-d8 | 10.269 | 98 | 236291 | 23.388 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 93.560% | | | |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79 | 30924 | 23.671 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 94.680% | | | |
| 47) 2-Hexanone-d5 | 10.875 | 63 | 21132 | 52.591 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 105.180% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 67474 | 24.509 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 98.040% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.810 | 152 | 81173 | 22.871 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 91.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.934 | 85 | 72281 | 23.181 | ug/L | 98 |
| 3) Chloromethane | 2.146 | 50 | 104751 | 25.205 | ug/L | 98 |
| 5) Vinyl chloride | 2.281 | 62 | 182039 | 26.538 | ug/L | 98 |
| 6) Bromomethane | 2.693 | 94 | 125278 | 23.657 | ug/L | 95 |
| 8) Chloroethane | 2.834 | 64 | 124411 | 24.745 | ug/L | 94 |
| 9) Trichlorofluoromethane | 3.175 | 101 | 122060 | 23.358 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.963 | 101 | 76860 | 24.529 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 3.934 | 96 | 65729 | 24.094 | ug/L | 88 |
| 13) Acetone | 4.016 | 43 | 39170 | 58.356 | ug/L | 98 |
| 14) Carbon disulfide | 4.269 | 76 | 229999 | 24.169 | ug/L | 97 |
| 15) Methyl Acetate | 4.563 | 43 | 24955 | 27.287 | ug/L # | 82 |
| 16) Methylene chloride | 4.793 | 84 | 94401 | 26.896 | ug/L | 90 |
| 17) trans-1,2-Dichloroethene | 5.310 | 96 | 74681 | 25.332 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.316 | 73 | 139825 | 26.742 | ug/L # | 90 |
| 19) 1,1-Dichloroethane | 6.110 | 63 | 117136 | 24.678 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.081 | 96 | 80148 | 26.109 | ug/L | 98 |
| 22) 2-Butanone | 7.081 | 43 | 41195 | 58.422 | ug/L | 94 |
| 23) Bromochloromethane | 7.422 | 128 | 39882 | 25.626 | ug/L | 92 |
| 25) Chloroform | 7.593 | 83 | 133470 | 24.767 | ug/L | 98 |

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Sample : P2642-03MSD
Misc : 3.90G/10ml/MSVOA_D/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
A4C18MSD

Quant Time: Jun 01 00:36:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 01 00:34:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.328 | 62 | 79403 | 25.382 | ug/L | 95 |
| 29) Cyclohexane | 7.881 | 56 | 93120 | 26.516 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.793 | 97 | 114472 | 24.841 | ug/L | 99 |
| 31) Carbon tetrachloride | 7.987 | 117 | 103784 | 24.235 | ug/L | 97 |
| 33) Benzene | 8.251 | 78 | 299002 | 25.792 | ug/L | 100 |
| 34) Trichloroethene | 9.028 | 95 | 74496 | 24.950 | ug/L | 97 |
| 35) Methylcyclohexane | 9.275 | 83 | 125560 | 25.379 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.304 | 63 | 75110 | 26.451 | ug/L | 100 |
| 38) Bromodichloromethane | 9.581 | 83 | 99034 | 25.088 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 10.016 | 75 | 114458 | 25.821 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.157 | 43 | 67766 | 57.169 | ug/L | 94 |
| 42) Toluene | 10.334 | 91 | 339196 | 26.350 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.551 | 75 | 97584 | 26.033 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 10.728 | 97 | 64816 | 26.018 | ug/L | 96 |
| 46) Tetrachloroethene | 10.804 | 164 | 63221 | 24.047 | ug/L | 97 |
| 48) 2-Hexanone | 10.916 | 43 | 61191 | 59.657 | ug/L | 97 |
| 49) Dibromochloromethane | 11.075 | 129 | 75212 | 25.495 | ug/L | 90 |
| 50) 1,2-Dibromoethane | 11.175 | 107 | 59263 | 25.885 | ug/L | 97 |
| 51) Chlorobenzene | 11.604 | 112 | 217073 | 25.343 | ug/L | 98 |
| 52) Ethylbenzene | 11.681 | 91 | 353054 | 26.293 | ug/L | 99 |
| 53) m,p-Xylene | 11.792 | 106 | 143334 | 27.207 | ug/L | 94 |
| 54) o-Xylene | 12.122 | 106 | 134266 | 26.379 | ug/L | 92 |
| 55) Styrene | 12.134 | 104 | 245897 | 27.247 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83 | 74691 | 26.785 | ug/L | 94 |
| 59) Bromoform | 12.298 | 173 | 45568 | 24.177 | ug/L | 95 |
| 60) Isopropylbenzene | 12.422 | 105 | 351083 | 25.819 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 12.722 | 75 | 48982 | 26.978 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.904 | 105 | 242597 | 26.093 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.210 | 105 | 262545 | 26.402 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.457 | 146 | 165674 | 25.362 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.534 | 146 | 173715 | 25.098 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.828 | 146 | 152552 | 25.262 | ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75 | 9946 | 26.648 | ug/L | 96 |
| 69) 1,3,5-Trichlorobenzene | 14.592 | 180 | 104631 | 25.396 | ug/L | 97 |
| 70) 1,2,4-trichlorobenzene | 15.098 | 180 | 80089 | 23.406 | ug/L | 94 |
| 71) Naphthalene | 15.328 | 128 | 163293 | 25.518 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.516 | 180 | 77600 | 26.240 | ug/L | 97 |

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

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