Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
Data File : VD077216.D
Acq On : 25 Sep 2023 14:46
Operator : JC/SY
Sample : VIBLK106
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VIBLK106

Quant Time: Sep 26 00:45:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.781 | 114 | 271781 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 279797 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 133243 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.275 | 65 | 125200 | 17.417 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 69.680% | | | |
| 7) Chloroethane-d5 | 2.805 | 69 | 122264 | 26.991 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 107.960% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.922 | 65 | 35943 | 17.772 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 71.080% | | | |
| 21) 2-Butanone-d5 | 6.987 | 46 | 57063 | 43.814 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 87.620% | | | |
| 24) Chloroform-d | 7.569 | 84 | 204288 | 19.934 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 79.720% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.228 | 65 | 105487 | 20.692 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 82.760% | | | |
| 32) Benzene-d6 | 8.204 | 84 | 394286 | 19.400 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 77.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 128278 | 20.307 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 81.240% | | | |
| 41) Toluene-d8 | 10.269 | 98 | 340297 | 19.060 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 76.240% | | | |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79 | 49372 | 19.221 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 76.880% | | | |
| 47) 2-Hexanone-d5 | 10.881 | 63 | 42850 | 42.404 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 84.800% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 117855 | 20.648 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 82.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.816 | 152 | 114780 | 20.897 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 83.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.146 | 50 | 2677 | 0.467 | ug/L | 95 |
| 5) Vinyl chloride | 2.281 | 62 | 2599 | 0.381 | ug/L # | 11 |
| 6) Bromomethane | 2.693 | 94 | 2008 | 0.481 | ug/L | 92 |
| 8) Chloroethane | 2.840 | 64 | 2256 | 0.674 | ug/L # | 70 |
| 9) Trichlorofluoromethane | 3.175 | 101 | 3119 | 0.442 | ug/L # | 74 |
| 19) 1,1-Dichloroethane | 6.110 | 63 | 3724 | 0.417 | ug/L | 93 |
| 33) Benzene | 8.246 | 78 | 7948 | 0.385 | ug/L | 100 |
| 34) Trichloroethene | 9.028 | 95 | 1926 | 0.369 | ug/L # | 87 |
| 35) Methylcyclohexane | 9.275 | 83 | 2810 | 0.387 | ug/L # | 86 |
| 38) Bromodichloromethane | 9.575 | 83 | 2938 | 0.390 | ug/L # | 95 |
| 40) 4-Methyl-2-pentanone | 10.163 | 43 | 2992 | 0.921 | ug/L | 89 |
| 42) Toluene | 10.334 | 91 | 9660 | 0.433 | ug/L | 85 |
| 45) 1,1,2-Trichloroethane | 10.728 | 97 | 2156 | 0.447 | ug/L # | 83 |
| 46) Tetrachloroethene | 10.804 | 164 | 1883 | 0.461 | ug/L # | 64 |
| 49) Dibromochloromethane | 11.075 | 129 | 2280 | 0.424 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 11.181 | 107 | 2130 | 0.472 | ug/L # | 59 |
| 51) Chlorobenzene | 11.604 | 112 | 6623 | 0.438 | ug/L # | 87 |
| 52) Ethylbenzene | 11.687 | 91 | 9037 | 0.374 | ug/L | 96 |
| 54) o-Xylene | 12.122 | 106 | 3311 | 0.368 | ug/L | 79 |

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**Instrument :**
MSVOA_D
**ClientSampleId :**
VIBLK106

Quant Time: Sep 26 00:45:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 55) Styrene | 12.134 | 104 | 5514 | 0.338 | ug/L | | 92 |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83 | 3023 | 0.524 | ug/L | # | 82 |
| 59) Bromoform | 12.298 | 173 | 1292 | 0.431 | ug/L | | 91 |
| 60) Isopropylbenzene | 12.422 | 105 | 7668 | 0.368 | ug/L | # | 91 |
| 61) 1,2,3-Trichloropropane | 12.722 | 75 | 1614 | 0.478 | ug/L | # | 52 |
| 62) 1,3,5-Trimethylbenzene | 12.898 | 105 | 5924 | 0.372 | ug/L | | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.210 | 105 | 6307 | 0.399 | ug/L | | 97 |
| 64) 1,3-Dichlorobenzene | 13.463 | 146 | 5469 | 0.540 | ug/L | # | 92 |
| 65) 1,4-Dichlorobenzene | 13.545 | 146 | 6279 | 0.593 | ug/L | | 87 |
| 67) 1,2-Dichlorobenzene | 13.822 | 146 | 4921 | 0.527 | ug/L | # | 79 |
| 70) 1,2,4-trichlorobenzene | 15.098 | 180 | 4046 | 0.709 | ug/L | | 92 |
| 72) 1,2,3-Trichlorobenzene | 15.522 | 180 | 3171 | 0.595 | ug/L | | 92 |

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

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