Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061924\
Data File : VV036143.D
Acq On : 19 Jun 2024 17:28
Operator : SY/MD
Sample : VIBLK295
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VIBLK295

Quant Time: Jun 20 05:17:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.532 | 114 | 297324 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.783 | 117 | 317434 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.185 | 152 | 135420 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.269 | 65 | 148904 | 27.240 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 108.960% | | | |
| 7) Chloroethane-d5 | 1.526 | 69 | 129051 | 29.608 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 118.440% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.047 | 65 | 71154 | 29.240 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 116.960%# | | | |
| 21) 2-Butanone-d5 | 3.828 | 46 | 59961 | 47.809 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 95.620% | | | |
| 24) Chloroform-d | 4.243 | 84 | 287170 | 30.380 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 121.520% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.937 | 65 | 168223 | 33.943 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 135.760%# | | | |
| 32) Benzene-d6 | 4.954 | 84 | 542661 | 28.759 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 115.040% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.986 | 67 | 181700 | 30.579 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 122.320%# | | | |
| 41) Toluene-d8 | 7.243 | 98 | 446566 | 26.823 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 107.280% | | | |
| 43) trans-1,3-Dichloroprop... | 7.555 | 79 | 69452 | 28.506 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 114.040% | | | |
| 47) 2-Hexanone-d5 | 8.031 | 63 | 48470 | 60.206 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 120.420% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84 | 146884 | 33.080 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 132.320%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.558 | 152 | 167410 | 33.711 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 134.840%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Methylene chloride | 2.439 | 84 | 56275 | 8.364 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.127 | 146 | 5270 | 0.578 | ug/L | 89 |
| 65) 1,4-Dichlorobenzene | 11.207 | 146 | 4978 | 0.529 | ug/L | 96 |
| 70) 1,2,4-trichlorobenzene | 13.204 | 180 | 2365 | 0.440 | ug/L # | 88 |

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

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