Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032371.D
Acq On : 16 Aug 2018 4:34
Operator : SY/AP
Sample : J4457-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG07-MIVI

**Manual Integrations APPROVED**
MMDadoda
8/17/2018 2:06:53 PM

Quant Time: Aug 16 22:31:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.82 | 49 | 1625539 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.35 | 114 | 3419457 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.31 | 117 | 3396572 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.65 | 95 | 2606182 | 10.06 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 100.60% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 4) Chloromethane | 3.21 | 50 | 92906 | 1.04 | ppbv | | 93 |
| 9) Propene | 3.07 | 41 | 2694381 | 41.81 | ppbv | | 93 |
| 10) Heptane | 8.31 | 43 | 686818 | 3.54 | ppbv | | 100 |
| 11) Trichlorofluoromethane | 4.05 | 101 | 57124 | 0.31 | ppbv | | 90 |
| 13) Ethanol | 3.72 | 45 | 579583m | 35.02 | ppbv | | |
| 15) Acetone | 3.94 | 43 | 9505242 | 61.55 | ppbv | | 95 |
| 19) Isopropyl Alcohol | 4.13 | 45 | 95491960m | 918.20 | ppbv | | |
| 20) Methylene Chloride | 4.46 | 84 | 128220 | 2.20 | ppbv | | 93 |
| 26) Hexane | 5.83 | 57 | 525597 | 3.56 | ppbv | # | 78 |
| 27) Carbon Disulfide | 4.67 | 76 | 269311 | 1.96 | ppbv | # | 89 |
| 30) Cyclohexane | 7.31 | 84 | 81048 | 0.72 | ppbv | # | 69 |
| 34) 2-Butanone | 5.38 | 43 | 2683612 | 11.53 | ppbv | | 100 |
| 36) Benzene | 7.06 | 78 | 409051 | 1.41 | ppbv | | 94 |
| 38) Trichloroethene | 8.02 | 130 | 7142m | 0.07 | ppbv | | |
| 41) Tetrahydrofuran | 6.21 | 42 | 108410 | 0.87 | ppbv | | 95 |
| 44) 2,2,4-Trimethylpentane | 8.05 | 57 | 287470 | 0.55 | ppbv | # | 66 |
| 50) 4-Methyl-2-Pentanone | 8.94 | 43 | 371885 | 1.11 | ppbv | | 99 |
| 52) Tetrachloroethene | 11.44 | 164 | 71448 | 0.84 | ppbv | | 86 |
| 53) Toluene | 10.01 | 91 | 4431135 | 13.94 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.93 | 91 | 831841 | 2.04 | ppbv | | 97 |
| 59) m/p-Xylene | 13.19 | 91 | 2599245 | 7.49 | ppbv | | 98 |
| 60) o-Xylene | 13.92 | 91 | 898284 | 2.63 | ppbv | | 98 |
| 61) Styrene | 13.75 | 104 | 162170m | 0.68 | ppbv | | |
| 62) Isopropylbenzene | 14.90 | 105 | 61036m | 0.13 | ppbv | | |
| 64) n-propylbenzene | 15.79 | 120 | 48251m | 0.38 | ppbv | | |
| 72) 4-Ethyltoluene | 16.07 | 105 | 283004 | 0.74 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.23 | 105 | 235589 | 0.64 | ppbv | | 97 |
| 74) 1,2,4-Trimethylbenzene | 17.00 | 105 | 930630 | 2.39 | ppbv | # | 70 |
| 75) 1,3-Dichlorobenzene | 17.25 | 146 | 915631 | 3.91 | ppbv | # | 73 |
| 79) Naphthalene | 22.49 | 128 | 242830 | 0.97 | ppbv | | 96 |
| 80) Naphthalene,2-methyl- | 25.17 | 142 | 16214 | 0.21 | ppbv | # | 76 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
Data File : VL032371.D
Acq On : 16 Aug 2018 4:34
Operator : SY/AP
Sample : J4457-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 22:31:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG07-MIVI

**Manual Integrations APPROVED**
MMDadoda
8/17/2018 2:06:53 PM