Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\
Data File : VL034741.D
Acq On : 28 Feb 2020 17:49
Operator : SY/AP
Sample : L1704-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** IA-2-4

**Manual Integrations APPROVED**
MMDadoda
3/2/2020 1:01:24 PM

Quant Time: Mar 02 11:58:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 2
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.70 | 49 | 1106384 | 10.00 | ppbv | 0.03 |
| 33) 1,4-Difluorobenzene | 7.21 | 114 | 2266011 | 10.00 | ppbv | 0.02 |
| 55) Chlorobenzene-d5 | 12.13 | 117 | 2283814 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.46 | 95 | 1945829 | 10.39 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 103.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.02 | 85 | 47207 | 0.270 | ppbv # | 84 |
| 3) Chlorodifluoromethane | 2.95 | 51 | 38651m | 0.324 | ppbv | |
| 4) Chloromethane | 3.11 | 50 | 42485 | 0.636 | ppbv | 91 |
| 9) Propene | 2.98 | 41 | 173649 | 3.479 | ppbv | 85 |
| 10) Heptane | 8.15 | 43 | 7405511 | 57.646 | ppbv | 94 |
| 11) Trichlorofluoromethane | 3.93 | 101 | 41832 | 0.274 | ppbv | 90 |
| 13) Ethanol | 3.62 | 45 | 698186 | 44.281 | ppbv | 95 |
| 15) Acetone | 3.85 | 43 | 23309169 | 184.886 | ppbv # | 24 |
| 17) tert-Butyl alcohol | 4.31 | 59 | 65651 | 0.680 | ppbv # | 1 |
| 19) Isopropyl Alcohol | 3.99 | 45 | 182989 | 2.437 | ppbv # | 94 |
| 20) Methylene Chloride | 4.36 | 84 | 101052 | 2.155 | ppbv # | 94 |
| 26) Hexane | 5.68 | 57 | 913957 | 8.885 | ppbv # | 49 |
| 30) Cyclohexane | 7.15 | 84 | 596451 | 7.482 | ppbv | 95 |
| 34) 2-Butanone | 5.27 | 43 | 181914m | 1.275 | ppbv | |
| 35) Carbon Tetrachloride | 7.05 | 117 | 9405m | 0.062 | ppbv | |
| 36) Benzene | 6.92 | 78 | 177791 | 0.908 | ppbv | 96 |
| 41) Tetrahydrofuran | 6.08 | 42 | 18651m | 0.248 | ppbv | |
| 52) Tetrachloroethene | 11.27 | 164 | 17954m | 0.250 | ppbv | |
| 53) Toluene | 9.86 | 91 | 16519170 | 79.358 | ppbv # | 70 |
| 58) Ethyl Benzene | 12.75 | 91 | 304403 | 1.102 | ppbv | 96 |
| 59) m/p-Xylene | 13.01 | 91 | 1031323 | 4.279 | ppbv | 99 |
| 60) o-Xylene | 13.73 | 91 | 342378 | 1.432 | ppbv | 97 |
| 64) n-propylbenzene | 15.61 | 120 | 17280m | 0.192 | ppbv | |
| 72) 4-Ethyltoluene | 15.89 | 105 | 93504 | 0.351 | ppbv # | 94 |
| 73) 1,3,5-Trimethylbenzene | 16.04 | 105 | 96279m | 0.376 | ppbv | |
| 74) 1,2,4-Trimethylbenzene | 16.81 | 105 | 294065 | 1.040 | ppbv # | 63 |
| 79) Naphthalene | 22.28 | 128 | 59673m | 0.240 | ppbv | |

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

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