Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040147.D
Acq On : 6 Feb 2023 15:45
Operator : SY/MD
Sample : 01438-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 05:56:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Bromochloromethane | 5.182 | 49 | 982652 | 10.000 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 6.648 | 114 | 2540513 | 10.000 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 11.465 | 117 | 2125828 | 10.000 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 13.777 | 95 | 1581276 | 8.950 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 89.500% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.713 | 85 | 67958 | 0.394 | ppbv | | 99 |
| 3) Chlorodifluoromethane | 2.658 | 51 | 55342m | 0.470 | ppbv | | |
| 4) Chloromethane | 2.796 | 50 | 33524 | 0.460 | ppbv | | 90 |
| 9) Propene | 2.677 | 41 | 806832 | 16.476 | ppbv | | 97 |
| 10) Heptane | 7.571 | 43 | 151478 | 1.342 | ppbv | | 94 |
| 11) Trichlorofluoromethane | 3.549 | 101 | 75742 | 0.440 | ppbv | | 100 |
| 13) Ethanol | 3.253 | 45 | 2919481 | 647.737 | ppbv | | 98 |
| 15) Acetone | 3.455 | 43 | 615076 | 5.219 | ppbv | # | 80 |
| 19) Isopropyl Alcohol | 3.591 | 45 | 13621508 | 236.232 | ppbv | # | 93 |
| 20) Methylene Chloride | 3.922 | 84 | 128763 | 2.477 | ppbv | | 95 |
| 26) Hexane | 5.205 | 57 | 314204 | 3.458 | ppbv | # | 40 |
| 30) Cyclohexane | 6.597 | 84 | 62320 | 0.863 | ppbv | | 93 |
| 34) 2-Butanone | 4.780 | 43 | 49564 | 0.412 | ppbv | | 96 |
| 35) Carbon Tetrachloride | 6.494 | 117 | 9155m | 0.064 | ppbv | | |
| 36) Benzene | 6.362 | 78 | 1159293 | 6.166 | ppbv | | 98 |
| 44) 2,2,4-Trimethylpentane | 7.317 | 57 | 405322 | 1.296 | ppbv | # | 89 |
| 50) 4-Methyl-2-Pentanone | 8.188 | 43 | 56807m | 0.301 | ppbv | | |
| 53) Toluene | 9.217 | 91 | 1832683 | 9.140 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.085 | 91 | 470580 | 1.984 | ppbv | | 95 |
| 59) m/p-Xylene | 12.346 | 91 | 1044759 | 4.898 | ppbv | | 93 |
| 60) o-Xylene | 13.056 | 91 | 403461 | 1.993 | ppbv | | 99 |
| 61) Styrene | 12.902 | 104 | 23718m | 0.225 | ppbv | | |
| 62) Isopropylbenzene | 14.031 | 105 | 37555 | 0.129 | ppbv | | 99 |
| 64) n-propylbenzene | 14.921 | 120 | 20426m | 0.282 | ppbv | | |
| 70) n-Butylbenzene | 17.902 | 91 | 44076m | 0.147 | ppbv | | |
| 72) 4-Ethyltoluene | 15.185 | 105 | 151856m | 0.676 | ppbv | | |
| 73) 1,3,5-Trimethylbenzene | 15.355 | 105 | 110993m | 0.549 | ppbv | | |
| 74) 1,2,4-Trimethylbenzene | 16.108 | 105 | 386504 | 1.725 | ppbv | # | 68 |
| 79) Naphthalene | 21.410 | 128 | 21306m | 0.166 | ppbv | | |

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

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