Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
Data File : VL041387.D
Acq On : 22 Jul 2024 15:26
Operator : SY/MD
Sample : P3259-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 03:16:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA2

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Bromochloromethane | 5.237 | 49 | 871323 | 10.000 | ppbv | | 0.03 |
| 33) 1,4-Difluorobenzene | 6.681 | 114 | 2597731 | 10.000 | ppbv | | 0.01 |
| 55) Chlorobenzene-d5 | 11.471 | 117 | 2318692 | 10.000 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 13.777 | 95 | 1751297 | 10.077 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 100.800% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.723 | 85 | 136555m | 0.918 | ppbv | | |
| 3) Chlorodifluoromethane | 2.645 | 51 | 375508 | 2.499 | ppbv | # | 65 |
| 4) Chloromethane | 2.867 | 50 | 7627 | 0.133 | ppbv | | 98 |
| 9) Propene | 2.700 | 41 | 142926 | 2.749 | ppbv | # | 72 |
| 10) Heptane | 7.526 | 43 | 1470435m | 12.042 | ppbv | | |
| 11) Trichlorofluoromethane | 3.546 | 101 | 490898m | 3.392 | ppbv | | |
| 13) Ethanol | 3.298 | 45 | 9557254 | 828.669 | ppbv | | 86 |
| 15) Acetone | 3.462 | 43 | 73087639m | 635.120 | ppbv | | |
| 17) tert-Butyl alcohol | 3.922 | 59 | 147778m | 1.665 | ppbv | | |
| 19) Isopropyl Alcohol | 3.623 | 45 | 13227666 | 209.386 | ppbv | # | 94 |
| 20) Methylene Chloride | 3.976 | 84 | 1431895 | 34.292 | ppbv | | 95 |
| 23) Vinyl Acetate | 4.658 | 43 | 152356 | 1.343 | ppbv | # | 77 |
| 25) Ethyl Acetate | 5.237 | 43 | 22762363 | 107.420 | ppbv | # | 60 |
| 26) Hexane | 5.205 | 57 | 1392899 | 14.845 | ppbv | # | 1 |
| 29) Chloroform | 5.314 | 83 | 15352m | 0.106 | ppbv | | |
| 30) Cyclohexane | 6.603 | 84 | 14055m | 0.188 | ppbv | | |
| 32) 1,1,1-Trichloroethane | 6.031 | 97 | 193826 | 1.276 | ppbv | | 99 |
| 34) 2-Butanone | 4.822 | 43 | 406213 | 2.963 | ppbv | | 100 |
| 35) Carbon Tetrachloride | 6.507 | 117 | 7124m | 0.042 | ppbv | | |
| 36) Benzene | 6.394 | 78 | 79134 | 0.368 | ppbv | | 94 |
| 37) 1,2-Dichloroethane | 5.845 | 62 | 15115m | 0.123 | ppbv | | |
| 44) 2,2,4-Trimethylpentane | 7.314 | 57 | 58695m | 0.161 | ppbv | | |
| 50) 4-Methyl-2-Pentanone | 8.198 | 43 | 44594m | 0.203 | ppbv | | |
| 52) Tetrachloroethene | 10.635 | 164 | 5288m | 0.061 | ppbv | | |
| 53) Toluene | 9.233 | 91 | 3244330 | 13.380 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.092 | 91 | 192209m | 0.620 | ppbv | | |
| 59) m/p-Xylene | 12.346 | 91 | 778655 | 2.900 | ppbv | | 94 |
| 60) o-Xylene | 13.057 | 91 | 363990 | 1.437 | ppbv | | 99 |
| 61) Styrene | 12.899 | 104 | 18906m | 0.154 | ppbv | | |
| 62) Isopropylbenzene | 14.031 | 105 | 68595 | 0.175 | ppbv | | 100 |
| 64) n-propylbenzene | 14.921 | 120 | 38465m | 0.377 | ppbv | | |
| 65) tert-Butylbenzene | 16.108 | 119 | 85607m | 0.246 | ppbv | | |
| 67) sec-Butylbenzene | 16.632 | 105 | 49212 | 0.100 | ppbv | # | 90 |
| 69) p-Isopropyltoluene | 16.992 | 119 | 66857m | 0.164 | ppbv | | |
| 70) n-Butylbenzene | 17.892 | 91 | 56709m | 0.136 | ppbv | | |
| 72) 4-Ethyltoluene | 15.188 | 105 | 223560 | 0.741 | ppbv | | 98 |
| 73) 1,3,5-Trimethylbenzene | 15.352 | 105 | 281214 | 1.089 | ppbv | | 95 |
| 74) 1,2,4-Trimethylbenzene | 16.101 | 105 | 761599 | 2.616 | ppbv | # | 72 |
| 79) Naphthalene | 21.384 | 128 | 20603m | 0.132 | ppbv | | |

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

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