

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110221\  
 Data File : VL037968.D  
 Acq On : 2 Nov 2021 15:13  
 Operator : SY/AP  
 Sample : M4447-01DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-1DUP

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021  
 Supervised By : Mahesh Dadoda 11/09/2021

Quant Time: Nov 03 03:49:59 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Nov 03 03:49:59 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.658  | 49    | 1279338  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.163  | 114   | 3679501  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.066 | 117   | 3044308  | 10.000   | ppbv   | -0.01    |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.397 | 95    | 2273618  | 10.274   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 102.700% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 3.050  | 85    | 45189    | 0.251    | ppbv   | 94       |
| 3) Chlorodifluoromethane    | 2.983  | 51    | 61063m   | 0.256    | ppbv   |          |
| 4) Chloromethane            | 3.144  | 50    | 44893    | 0.496    | ppbv   | 93       |
| 9) Propene                  | 3.022  | 41    | 83604    | 0.979    | ppbv # | 70       |
| 11) Trichlorofluoromethane  | 3.951  | 101   | 38613m   | 0.215    | ppbv   |          |
| 13) Ethanol                 | 3.597  | 45    | 3900978  | 452.843  | ppbv   | 89       |
| 15) Acetone                 | 3.848  | 43    | 460198   | 4.353    | ppbv   | 98       |
| 19) Isopropyl Alcohol       | 3.960  | 45    | 5000359  | 73.966   | ppbv # | 91       |
| 20) Methylene Chloride      | 4.343  | 84    | 195876   | 3.375    | ppbv   | 94       |
| 26) Hexane                  | 5.681  | 57    | 70331m   | 0.473    | ppbv   |          |
| 34) 2-Butanone              | 5.240  | 43    | 35970m   | 0.264    | ppbv   |          |
| 35) Carbon Tetrachloride    | 7.002  | 117   | 12527m   | 0.056    | ppbv   |          |
| 38) Trichloroethene         | 7.822  | 130   | 5664156  | 45.544   | ppbv   | 97       |
| 52) Tetrachloroethene       | 11.204 | 164   | 4091m    | 0.036    | ppbv   |          |
| 53) Toluene                 | 9.796  | 91    | 76327m   | 0.238    | ppbv   |          |
| 69) p-Isopropyltoluene      | 17.638 | 119   | 78977m   | 0.183    | ppbv   |          |
| 72) 4-Ethyltoluene          | 15.818 | 105   | 47904m   | 0.134    | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene  | 15.982 | 105   | 34764m   | 0.104    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.748 | 105   | 122540   | 0.349    | ppbv # | 69       |
| -----                       |        |       |          |          |        |          |

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

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