

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012025\  
 Data File : VL041941.D  
 Acq On : 21 Jan 2025 11:34  
 Operator : SY/MD  
 Sample : Q1090-04DL 2X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA2DL

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/21/2025  
 Supervised By :Semsettin Yesilyurt 01/21/2025

Quant Time: Jan 21 12:01:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.774  | 49    | 143033   | 10.000   | ppbv   | -0.02    |
| 33) 1,4-Difluorobenzene     | 3.939  | 114   | 385641   | 10.000   | ppbv   | -0.04    |
| 55) Chlorobenzene-d5        | 8.862  | 117   | 326035   | 10.000   | ppbv   | -0.03    |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.361 | 95    | 259826   | 10.118   | ppbv   | -0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.200% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.492  | 85    | 4878     | 0.250    | ppbv   | 97       |
| 3) Chlorodifluoromethane    | 1.470  | 51    | 3620m    | 0.177    | ppbv   |          |
| 4) Chloromethane            | 1.528  | 50    | 2050     | 0.280    | ppbv   | 92       |
| 9) Propene                  | 1.479  | 41    | 4731m    | 0.563    | ppbv   |          |
| 10) Heptane                 | 4.962  | 43    | 7878m    | 0.351    | ppbv   |          |
| 11) Trichlorofluoromethane  | 1.868  | 101   | 2129     | 0.105    | ppbv # | 83       |
| 13) Ethanol                 | 1.712  | 45    | 48061    | 78.040   | ppbv   | 86       |
| 15) Acetone                 | 1.826  | 43    | 1767444  | 102.882  | ppbv # | 77       |
| 19) Isopropyl Alcohol       | 1.881  | 45    | 11175m   | 1.097    | ppbv   |          |
| 20) Methylene Chloride      | 2.052  | 84    | 4181     | 0.616    | ppbv # | 72       |
| 26) Hexane                  | 2.813  | 57    | 136834   | 7.468    | ppbv # | 36       |
| 30) Cyclohexane             | 3.842  | 84    | 1718m    | 0.108    | ppbv   |          |
| 34) 2-Butanone              | 2.551  | 43    | 43851    | 1.788    | ppbv   | 100      |
| 36) Benzene                 | 3.638  | 78    | 11677    | 0.330    | ppbv # | 94       |
| 44) 2,2,4-Trimethylpentane  | 4.616  | 57    | 9713m    | 0.170    | ppbv   |          |
| 53) Toluene                 | 6.907  | 91    | 225320   | 5.848    | ppbv   | 99       |
| 58) Ethyl Benzene           | 9.338  | 91    | 10995    | 0.216    | ppbv   | 95       |
| 59) m/p-Xylene              | 9.513  | 91    | 32632m   | 0.799    | ppbv   |          |
| 60) o-Xylene                | 9.946  | 91    | 10350    | 0.255    | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene  | 11.523 | 105   | 5945     | 0.128    | ppbv # | 51       |
| -----                       |        |       |          |          |        |          |

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

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