

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050624\  
 Data File : VL041216.D  
 Acq On : 6 May 2024 13:42  
 Operator : SY/MD  
 Sample : P2334-10DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BA-03-IA02-20240425DUP

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024  
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:23:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Bromochloromethane         | 5.189  | 49    | 741749   | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.648  | 114   | 1929621  | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5          | 11.465 | 117   | 1814878  | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.773 | 95    | 1376801  | 10.049   | ppbv       | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | = 100.500% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.732  | 85    | 37257m   | 0.371    | ppbv       |          |
| 4) Chloromethane              | 2.806  | 50    | 9314m    | 0.211    | ppbv       |          |
| 9) Propene                    | 2.703  | 41    | 13004m   | 0.295    | ppbv       |          |
| 11) Trichlorofluoromethane    | 3.562  | 101   | 29392    | 0.288    | ppbv       | 96       |
| 12) 1,1,2-Trichlorotrifluo... | 4.063  | 101   | 9394m    | 0.125    | ppbv       |          |
| 13) Ethanol                   | 3.243  | 45    | 115772   | 11.714   | ppbv       | 93       |
| 15) Acetone                   | 3.468  | 43    | 781982   | 8.933    | ppbv       | 100      |
| 20) Methylene Chloride        | 3.931  | 84    | 732759   | 24.071   | ppbv       | 98       |
| 26) Hexane                    | 5.211  | 57    | 851325   | 10.918   | ppbv #     | 42       |
| 32) 1,1,1-Trichloroethane     | 5.996  | 97    | 4994m    | 0.047    | ppbv       |          |
| 34) 2-Butanone                | 4.800  | 43    | 26966m   | 0.275    | ppbv       |          |
| 35) Carbon Tetrachloride      | 6.491  | 117   | 37415    | 0.345    | ppbv       | 97       |
| 36) Benzene                   | 6.362  | 78    | 11702m   | 0.072    | ppbv       |          |
| 38) Trichloroethene           | 7.285  | 130   | 923929   | 15.311   | ppbv       | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.211  | 43    | 17847m   | 0.101    | ppbv       |          |
| 52) Tetrachloroethene         | 10.613 | 164   | 65154m   | 1.145    | ppbv       |          |
| 53) Toluene                   | 9.221  | 91    | 102489m  | 0.546    | ppbv       |          |
| 58) Ethyl Benzene             | 12.082 | 91    | 17466m   | 0.070    | ppbv       |          |
| 59) m/p-Xylene                | 12.356 | 91    | 36446m   | 0.174    | ppbv       |          |
| -----                         |        |       |          |          |            |          |

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

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