

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110121\  
 Data File : VL037954.D  
 Acq On : 2 Nov 2021 1:32  
 Operator : SY/AP  
 Sample : M4425-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 06:09:08 2021

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Nov 02 06:09:08 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   | 5.655  | 49   | 1395512  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.160  | 114  | 4063639  | 10.000 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.066 | 117  | 3442080  | 10.000 | ppbv  | -0.01    |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2508149 10.024 ppbv -0.01  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

|                            |        |     |         |        |        | Qvalue |
|----------------------------|--------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.044  | 85  | 51093m  | 0.260  | ppbv   |        |
| 3) Chlorodifluoromethane   | 2.983  | 51  | 77707m  | 0.299  | ppbv   |        |
| 4) Chloromethane           | 3.137  | 50  | 55388m  | 0.561  | ppbv   |        |
| 9) Propene                 | 3.021  | 41  | 145153m | 1.558  | ppbv   |        |
| 10) Heptane                | 8.108  | 43  | 45500m  | 0.210  | ppbv   |        |
| 11) Trichlorofluoromethane | 3.944  | 101 | 45721m  | 0.234  | ppbv   |        |
| 13) Ethanol                | 3.600  | 45  | 386864  | 41.170 | ppbv   | 92     |
| 15) Acetone                | 3.841  | 43  | 916807  | 7.950  | ppbv   | 98     |
| 19) Isopropyl Alcohol      | 3.964  | 45  | 623185  | 8.451  | ppbv # | 92     |
| 20) Methylene Chloride     | 4.340  | 84  | 364458  | 5.757  | ppbv   | 98     |
| 26) Hexane                 | 5.677  | 57  | 204715  | 1.261  | ppbv # | 58     |
| 29) Chloroform             | 5.742  | 83  | 69142m  | 0.286  | ppbv   |        |
| 30) Cyclohexane            | 7.118  | 84  | 26813m  | 0.193  | ppbv   |        |
| 34) 2-Butanone             | 5.237  | 43  | 87467   | 0.581  | ppbv   | 97     |
| 35) Carbon Tetrachloride   | 6.999  | 117 | 12356m  | 0.050  | ppbv   |        |
| 36) Benzene                | 6.870  | 78  | 51706m  | 0.156  | ppbv   |        |
| 52) Tetrachloroethene      | 11.214 | 164 | 20255m  | 0.161  | ppbv   |        |
| 53) Toluene                | 9.790  | 91  | 139155m | 0.392  | ppbv   |        |
| 58) Ethyl Benzene          | 12.693 | 91  | 332993  | 0.791  | ppbv   | 96     |
| 59) m/p-Xylene             | 12.944 | 91  | 458763m | 1.226  | ppbv   |        |
| 60) o-Xylene               | 13.671 | 91  | 137353  | 0.389  | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.741 | 105 | 97962m  | 0.247  | ppbv   |        |

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

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