

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\  
 Data File : VL038499.D  
 Acq On : 3 Mar 2022 2:00  
 Operator : SY/AP  
 Sample : N1754-01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 IA1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/03/2022  
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 03 04:24:11 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 896247   | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 1970219  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 1763553  | 10.00 | ppbv  | 0.04     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1496274  | 10.25    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.50% |

## Target Compounds

|                              | R.T.  | QIon | Response | Conc     | Units  | Ovalue |
|------------------------------|-------|------|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane   | 3.06  | 85   | 27029    | 0.190    | ppbv   | 92     |
| 3) Chlorodifluoromethane     | 3.00  | 51   | 719940   | 4.549    | ppbv   | 96     |
| 4) Chloromethane             | 3.15  | 50   | 26610    | 0.484    | ppbv   | 89     |
| 9) Propene                   | 3.03  | 41   | 80317    | 1.537    | ppbv # | 76     |
| 11) Trichlorofluoromethane   | 3.96  | 101  | 27437    | 0.202    | ppbv   | 92     |
| 13) Ethanol                  | 3.63  | 45   | 12579390 | 2412.221 | ppbv   | 91     |
| 15) Acetone                  | 3.86  | 43   | 1234380  | 16.196   | ppbv   | 100    |
| 17) tert-Butyl alcohol       | 4.33  | 59   | 50292m   | 0.661    | ppbv   |        |
| 19) Isopropyl Alcohol        | 3.99  | 45   | 2783626  | 63.070   | ppbv   | 99     |
| 20) Methylene Chloride       | 4.36  | 84   | 42415    | 1.123    | ppbv   | 92     |
| 22) trans-1,2-Dichloroethene | 4.90  | 96   | 15788m   | 0.358    | ppbv   |        |
| 25) Ethyl Acetate            | 5.68  | 43   | 247087   | 1.207    | ppbv # | 92     |
| 34) 2-Butanone               | 5.25  | 43   | 59897    | 0.967    | ppbv   | 94     |
| 35) Carbon Tetrachloride     | 7.03  | 117  | 14037    | 0.101    | ppbv   | 93     |
| 36) Benzene                  | 6.90  | 78   | 37179    | 0.214    | ppbv # | 90     |
| 52) Tetrachloroethene        | 11.23 | 164  | 60449    | 1.050    | ppbv   | 94     |
| 53) Toluene                  | 9.81  | 91   | 152503   | 0.810    | ppbv   | 98     |
| 59) m/p-Xylene               | 12.99 | 91   | 23775m   | 0.115    | ppbv   |        |
| 61) Styrene                  | 13.54 | 104  | 11928m   | 0.132    | ppbv   |        |
| 69) p-Isopropyltoluene       | 17.66 | 119  | 69261m   | 0.273    | ppbv   |        |

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

