

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\  
 Data File : VL035838.D  
 Acq On : 4 Nov 2020 18:10  
 Operator : SY/AP  
 Sample : L4610-05 2X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV5

Manual Integrations  
 APPROVED

MMDadoda  
 11/5/2020 2:17:00 PM

Quant Time: Nov 05 11:26:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 04  
 QLast Update : Wed Nov 04 02:40:06 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1020398  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 4607203  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.05 | 117  | 4198308  | 10.00 | ppbv  | -0.04    |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|--------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 2966703  | 9.95     | ppbv | -0.04  |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.50% |          |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.02  | 85   | 31172    | 0.162  | ppbv   | 93     |
| 3) Chlorodifluoromethane   | 2.96  | 51   | 24637    | 0.202  | ppbv # | 85     |
| 4) Chloromethane           | 3.11  | 50   | 6382     | 0.108  | ppbv # | 88     |
| 9) Propene                 | 2.99  | 41   | 565248   | 12.638 | ppbv   | 84     |
| 10) Heptane                | 8.09  | 43   | 30240    | 0.245  | ppbv   | 94     |
| 11) Trichlorofluoromethane | 3.92  | 101  | 27159m   | 0.113  | ppbv   |        |
| 13) Ethanol                | 3.59  | 45   | 32709m   | 3.371  | ppbv   |        |
| 15) Acetone                | 3.82  | 43   | 2199191  | 20.159 | ppbv   | 98     |
| 17) tert-Butyl alcohol     | 4.29  | 59   | 22627    | 0.157  | ppbv # | 72     |
| 20) Methylene Chloride     | 4.32  | 84   | 208326   | 2.713  | ppbv   | 96     |
| 26) Hexane                 | 5.66  | 57   | 188532   | 1.591  | ppbv # | 44     |
| 29) Chloroform             | 5.72  | 83   | 44031    | 0.189  | ppbv   | 96     |
| 34) 2-Butanone             | 5.22  | 43   | 63052    | 0.422  | ppbv # | 83     |
| 36) Benzene                | 6.86  | 78   | 91826    | 0.268  | ppbv   | 92     |
| 52) Tetrachloroethene      | 11.19 | 164  | 180117   | 1.110  | ppbv   | 96     |
| 53) Toluene                | 9.77  | 91   | 401463   | 0.971  | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.68 | 91   | 173760   | 0.340  | ppbv   | 94     |
| 59) m/p-Xylene             | 12.94 | 91   | 424222   | 0.981  | ppbv   | 95     |
| 60) o-Xylene               | 13.66 | 91   | 169730   | 0.403  | ppbv   | 100    |
| 64) n-propylbenzene        | 15.54 | 120  | 26044    | 0.136  | ppbv # | 64     |
| 72) 4-Ethyltoluene         | 15.81 | 105  | 62859    | 0.123  | ppbv # | 91     |
| 74) 1,2,4-Trimethylbenzene | 16.73 | 105  | 131800   | 0.263  | ppbv # | 69     |

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

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