

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\  
 Data File : VL035929.D  
 Acq On : 13 Nov 2020 1:16  
 Operator : SY/AP  
 Sample : L4721-03DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 LA-3DL

Manual Integrations  
 APPROVED

MMDadoda  
 11/16/2020 2:31:24 PM

Quant Time: Nov 13 03:47:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 0  
 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   | 5.66  | 49   | 1139063  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3911964  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3625151  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2607413  | 10.12    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.20% |

| Target Compounds       | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|------------------------|------|------|----------|---------|--------|--------|
| 9) Propene             | 3.01 | 41   | 11334    | 0.227   | ppbv   | 95     |
| 13) Ethanol            | 3.60 | 45   | 2601496  | 240.184 | ppbv   | 95     |
| 15) Acetone            | 3.85 | 43   | 172035   | 1.413   | ppbv   | 91     |
| 17) tert-Butyl alcohol | 4.30 | 59   | 18298m   | 0.113   | ppbv   |        |
| 19) Isopropyl Alcohol  | 3.97 | 45   | 774720   | 10.352  | ppbv # | 97     |
| 20) Methylene Chloride | 4.34 | 84   | 35947    | 0.419   | ppbv   | 94     |
| 26) Hexane             | 5.68 | 57   | 41584    | 0.314   | ppbv # | 46     |
| 53) Toluene            | 9.81 | 91   | 51205    | 0.146   | ppbv   | 98     |

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

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