

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\  
 Data File : VL034700.D  
 Acq On : 26 Feb 2020 23:14  
 Operator : SY/AP  
 Sample : L1663-02DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP-103DL

Manual Integrations  
 APPROVED

MMDadoda  
 2/27/2020 5:20:16 PM

Quant Time: Feb 27 16:06:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Feb 27 2020  
 QLast Update : Wed Feb 26 06:58:15 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1064767  | 10.00 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2207693  | 10.00 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 2210805  | 10.00 | ppbv  | 0.02     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.47  | 95    | 1811698  | 9.99     | ppbv | 0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.90% |

| Target Compounds       | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|------------------------|-------|------|----------|---------|--------|--------|
| 13) Ethanol            | 3.59  | 45   | 2427631  | 159.987 | ppbv   | 98     |
| 15) Acetone            | 3.84  | 43   | 396280   | 3.266   | ppbv   | 99     |
| 17) tert-Butyl alcohol | 4.30  | 59   | 79455    | 0.855   | ppbv   | 99     |
| 19) Isopropyl Alcohol  | 3.97  | 45   | 883111   | 12.220  | ppbv # | 98     |
| 34) 2-Butanone         | 5.25  | 43   | 44482    | 0.320   | ppbv   | 97     |
| 53) Toluene            | 9.84  | 91   | 141236   | 0.696   | ppbv   | 97     |
| 59) m/p-Xylene         | 13.02 | 91   | 94809m   | 0.406   | ppbv   |        |
| 69) p-Isopropyltoluene | 17.72 | 119  | 52900m   | 0.153   | ppbv   |        |

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

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