

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\  
 Data File : VL032670.D  
 Acq On : 19 Oct 2018 5:42  
 Operator : SY/AP  
 Sample : J5581-01DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-1DL

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2018 12:05:34 PM

Quant Time: Oct 19 08:09:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Oct 19 2018  
 QLast Update : Fri Oct 19 01:25:37 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.78  | 49   | 1533311  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3785157  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 3709626  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2752061  | 9.96     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.60% |

| Target Compounds         |      |    |        |       |        | Ovalue |
|--------------------------|------|----|--------|-------|--------|--------|
| 3) Chlorodifluoromethane | 3.02 | 51 | 25982  | 0.217 | ppbv   | 98     |
| 13) Ethanol              | 3.67 | 45 | 107678 | 7.634 | ppbv   | 94     |
| 15) Acetone              | 3.92 | 43 | 168588 | 1.191 | ppbv   | 98     |
| 19) Isopropyl Alcohol    | 4.06 | 45 | 66334  | 0.658 | ppbv # | 92     |
| 20) Methylene Chloride   | 4.42 | 84 | 15818  | 0.220 | ppbv # | 91     |
| 26) Hexane               | 5.79 | 57 | 15583  | 0.101 | ppbv # | 64     |
| 53) Toluene              | 9.97 | 91 | 29326m | 0.083 | ppbv   |        |

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

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