

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100819\  
 Data File : VL034271.D  
 Acq On : 9 Oct 2019 8:41  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2019 5:08:24 PM

Quant Time: Oct 10 01:34:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 18  
 QLast Update : Wed Sep 18 12:53:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 927808   | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 1780765  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.14 | 117  | 1742187  | 10.00 | ppbv  | -0.03    |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|--------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.48  | 95    | 1497885  | 9.89     | ppbv | -0.03  |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.90% |          |

| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 13) Ethanol            | 3.60  | 45   | 6880m    | 0.529 | ppbv   |        |
| 15) Acetone            | 3.85  | 43   | 56752    | 0.456 | ppbv   | 90     |
| 19) Isopropyl Alcohol  | 3.97  | 45   | 56170m   | 0.735 | ppbv   |        |
| 20) Methylene Chloride | 4.34  | 84   | 9538     | 0.266 | ppbv # | 83     |
| 52) Tetrachloroethene  | 11.28 | 164  | 12520m   | 0.193 | ppbv   |        |

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

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