

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\  
 Data File : VL032232.D  
 Acq On : 12 Jul 2018 20:48  
 Operator : SY/AP  
 Sample : VSTDIC0.1  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.1

Manual Integrations  
 APPROVED

MMDadoda  
 7/13/2018 5:22:14 PM

Quant Time: Jul 13 04:16:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Jul 13 2018  
 QLast Update : Fri Jul 13 03:36:40 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.84  | 49   | 1869850  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.37  | 114  | 3992770  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.33 | 117  | 4840720  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.67  | 95    | 3868111  | 10.41    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.10% |

| Target Compounds              | R.T.  | QIon | Response | Conc | Units | Ovalue |
|-------------------------------|-------|------|----------|------|-------|--------|
| 5) Vinyl Chloride             | 3.35  | 62   | 14726    | 0.12 | ppbv  | 100    |
| 32) 1,1,1-Trichloroethane     | 6.70  | 97   | 26395m   | 0.08 | ppbv  |        |
| 35) Carbon Tetrachloride      | 7.22  | 117  | 25122m   | 0.09 | ppbv  |        |
| 38) Trichloroethene           | 8.05  | 130  | 13123m   | 0.09 | ppbv  |        |
| 52) Tetrachloroethene         | 11.46 | 164  | 14437m   | 0.10 | ppbv  |        |
| 63) 1,1,2,2-Tetrachloroethane | 13.93 | 83   | 47815m   | 0.10 | ppbv  |        |

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

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