

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL031319\  
 Data File : VL033313.D  
 Acq On : 14 Mar 2019 12:56  
 Operator : SY/AP  
 Sample : K1758-01DUP  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 DP-VPB201-AIR-UW-20190305DUP

Manual Integrations  
 APPROVED

MMDadoda  
 3/15/2019 10:42:04 PM

Quant Time: Mar 15 15:54:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL031319AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 15 2019  
 QLast Update : Thu Mar 14 00:01:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 711001   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1644171  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1593870  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1267034  | 10.41    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.10% |

| Target Compounds           | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane | 3.08 | 85   | 60979    | 0.464 | ppbv   | 100    |
| 3) Chlorodifluoromethane   | 3.02 | 51   | 30381m   | 0.328 | ppbv   |        |
| 4) Chloromethane           | 3.17 | 50   | 23784    | 0.474 | ppbv # | 87     |
| 9) Propene                 | 3.05 | 41   | 23032    | 0.550 | ppbv # | 78     |
| 11) Trichlorofluoromethane | 4.01 | 101  | 34557    | 0.261 | ppbv   | 85     |
| 13) Ethanol                | 3.66 | 45   | 65060m   | 5.078 | ppbv   |        |
| 15) Acetone                | 3.90 | 43   | 185087m  | 1.893 | ppbv   |        |
| 19) Isopropyl Alcohol      | 4.05 | 45   | 30287m   | 0.506 | ppbv   |        |
| 20) Methylene Chloride     | 4.41 | 84   | 82010    | 2.072 | ppbv   | 92     |
| 26) Hexane                 | 5.78 | 57   | 62533    | 0.752 | ppbv # | 48     |
| 34) 2-Butanone             | 5.34 | 43   | 29503    | 0.260 | ppbv   | 99     |
| 35) Carbon Tetrachloride   | 7.14 | 117  | 10170    | 0.080 | ppbv # | 74     |
| 36) Benzene                | 7.00 | 78   | 50492m   | 0.313 | ppbv   |        |
| 53) Toluene                | 9.95 | 91   | 159627   | 0.863 | ppbv   | 99     |

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

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