

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\  
 Data File : VL033646.D  
 Acq On : 3 May 2019 3:03  
 Operator : SY/AP  
 Sample : K2628-11  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-11

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2019 7:19:01 AM

Quant Time: May 03 09:06:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 03 09:06:27 2019  
 QLast Update : Thu May 02 06:29:02 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 823868   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 2021220  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1947590  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1642335  | 11.08    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.80% |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.07 | 85   | 44225    | 0.356  | ppbv   | 96     |
| 3) Chlorodifluoromethane       | 3.01 | 51   | 44645m   | 0.453  | ppbv   |        |
| 4) Chloromethane               | 3.17 | 50   | 28796    | 0.537  | ppbv   | 99     |
| 11) Trichlorofluoromethane     | 4.00 | 101  | 44249    | 0.300  | ppbv   | 92     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.56 | 101  | 8753m    | 0.086  | ppbv   |        |
| 13) Ethanol                    | 3.65 | 45   | 625254   | 48.893 | ppbv   | 99     |
| 15) Acetone                    | 3.90 | 43   | 508565   | 5.070  | ppbv   | 98     |
| 19) Isopropyl Alcohol          | 4.03 | 45   | 149680   | 2.174  | ppbv # | 90     |
| 20) Methylene Chloride         | 4.41 | 84   | 63531    | 1.625  | ppbv   | 95     |
| 26) Hexane                     | 5.78 | 57   | 68345    | 0.853  | ppbv # | 44     |
| 34) 2-Butanone                 | 5.34 | 43   | 28470    | 0.229  | ppbv   | 100    |
| 35) Carbon Tetrachloride       | 7.12 | 117  | 10770m   | 0.067  | ppbv   |        |
| 36) Benzene                    | 7.00 | 78   | 16200m   | 0.094  | ppbv   |        |
| 53) Toluene                    | 9.94 | 91   | 1164390  | 5.358  | ppbv   | 99     |

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

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