

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\  
 Data File : VL033511.D  
 Acq On : 29 Mar 2019 20:54  
 Operator : SY/AP  
 Sample : K2042-02  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-2-MUSIC-ROOM

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 8:40:17 AM

Quant Time: Mar 31 15:03:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Mar 2  
 QLast Update : Tue Mar 26 16:00:50 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 840483   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1971872  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1991574  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1521230  | 9.74     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.40% |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.08  | 85   | 19523    | 0.159   | ppbv   | 90     |
| 4) Chloromethane               | 3.17  | 50   | 24419    | 0.477   | ppbv # | 79     |
| 7) Chloroethane                | 3.61  | 64   | 4814m    | 0.257   | ppbv   |        |
| 9) Propene                     | 3.04  | 41   | 56275    | 1.385   | ppbv   | 86     |
| 10) Heptane                    | 8.25  | 43   | 16072m   | 0.148   | ppbv   |        |
| 11) Trichlorofluoromethane     | 4.00  | 101  | 46133    | 0.305   | ppbv   | 95     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101  | 9764m    | 0.096   | ppbv   |        |
| 13) Ethanol                    | 3.66  | 45   | 5427400  | 516.142 | ppbv   | 66     |
| 15) Acetone                    | 3.90  | 43   | 1107099  | 10.955  | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.38  | 59   | 42401    | 2.282   | ppbv # | 90     |
| 19) Isopropyl Alcohol          | 4.05  | 45   | 298678   | 4.673   | ppbv # | 94     |
| 20) Methylene Chloride         | 4.41  | 84   | 278442   | 6.491   | ppbv   | 98     |
| 26) Hexane                     | 5.78  | 57   | 358423   | 4.299   | ppbv # | 42     |
| 27) Carbon Disulfide           | 4.62  | 76   | 14500m   | 0.146   | ppbv   |        |
| 29) Chloroform                 | 5.84  | 83   | 42787    | 0.299   | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene     | 5.64  | 61   | 41262    | 0.498   | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane      | 6.62  | 97   | 5203m    | 0.038   | ppbv   |        |
| 34) 2-Butanone                 | 5.33  | 43   | 95130    | 0.803   | ppbv   | 100    |
| 35) Carbon Tetrachloride       | 7.13  | 117  | 13673m   | 0.098   | ppbv   |        |
| 36) Benzene                    | 7.00  | 78   | 76032    | 0.460   | ppbv   | 98     |
| 38) Trichloroethene            | 7.96  | 130  | 130025   | 2.088   | ppbv   | 96     |
| 44) 2,2,4-Trimethylpentane     | 7.99  | 57   | 54360m   | 0.188   | ppbv   |        |
| 52) Tetrachloroethene          | 11.37 | 164  | 2516m    | 0.040   | ppbv   |        |
| 53) Toluene                    | 9.95  | 91   | 464003   | 2.413   | ppbv   | 99     |
| 59) m/p-Xylene                 | 13.12 | 91   | 75974m   | 0.320   | ppbv   |        |

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

