

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\  
 Data File : VL033568.D  
 Acq On : 10 Apr 2019 17:38  
 Operator : SY/AP  
 Sample : K2301-01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA1

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 1:01:11 PM

Quant Time: Apr 11 04:08:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue 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   | 841398   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1987372  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1918253  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1519740  | 10.11    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.10% |

| Target Compounds           | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.08 | 85   | 37052    | 0.302  | ppbv   | 94     |
| 3) Chlorodifluoromethane   | 3.02 | 51   | 102529m  | 1.058  | ppbv   |        |
| 4) Chloromethane           | 3.17 | 50   | 26762    | 0.522  | ppbv   | 93     |
| 9) Propene                 | 3.05 | 41   | 51848m   | 1.275  | ppbv   |        |
| 11) Trichlorofluoromethane | 4.01 | 101  | 31586    | 0.209  | ppbv   | 96     |
| 13) Ethanol                | 3.65 | 45   | 331141   | 31.457 | ppbv   | 65     |
| 15) Acetone                | 3.90 | 43   | 441338   | 4.362  | ppbv   | 98     |
| 19) Isopropyl Alcohol      | 4.04 | 45   | 81902    | 1.280  | ppbv # | 92     |
| 20) Methylene Chloride     | 4.41 | 84   | 126873   | 2.954  | ppbv   | 95     |
| 26) Hexane                 | 5.78 | 57   | 93622    | 1.122  | ppbv # | 44     |
| 34) 2-Butanone             | 5.34 | 43   | 43466    | 0.364  | ppbv   | 95     |
| 36) Benzene                | 7.00 | 78   | 49434    | 0.296  | ppbv   | 97     |
| 53) Toluene                | 9.95 | 91   | 132847   | 0.686  | ppbv   | 100    |

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

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