

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\  
 Data File : VL033847.D  
 Acq On : 29 May 2019 22:49  
 Operator : SY/AP  
 Sample : K3067-02DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-15-20190522-ODL

Manual Integrations  
 APPROVED

apatel  
 5/31/2019 12:45:28 PM

Quant Time: May 30 02:42:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri May 1  
 QLast Update : Fri May 17 08:15:41 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.75  | 49   | 758466   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 1702107  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 1734496  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.56  | 95    | 1383659  | 9.84     | ppbv | -0.01  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.40% |

| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 13) Ethanol            | 3.66  | 45   | 25916m   | 2.170 | ppbv   |        |
| 15) Acetone            | 3.90  | 43   | 86238    | 0.819 | ppbv   | 94     |
| 19) Isopropyl Alcohol  | 4.04  | 45   | 26972    | 0.398 | ppbv # | 80     |
| 20) Methylene Chloride | 4.41  | 84   | 19400    | 0.479 | ppbv   | 97     |
| 26) Hexane             | 5.77  | 57   | 21885    | 0.275 | ppbv # | 39     |
| 29) Chloroform         | 5.84  | 83   | 26767    | 0.183 | ppbv   | 93     |
| 52) Tetrachloroethene  | 11.37 | 164  | 6986m    | 0.128 | ppbv   |        |
| 53) Toluene            | 9.94  | 91   | 42729    | 0.256 | ppbv   | 96     |

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

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