

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\  
 Data File : VL033869.D  
 Acq On : 30 May 2019 13:52  
 Operator : SY/AP  
 Sample : K3067-09DL 5.4X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-23-20190523-ODL

Manual Integrations  
 APPROVED

apatel  
 5/31/2019 12:59:21 PM

Quant Time: May 31 08:07:47 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   | 690502   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 1543447  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 1545800  | 10.00 | ppbv  | -0.01    |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.56  | 95    | 1245792  | 9.94     | ppbv | -0.01  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.40% |

| Target Compounds          |       |     |        |       | Ovalue |
|---------------------------|-------|-----|--------|-------|--------|
| 13) Ethanol               | 3.66  | 45  | 30221m | 2.779 | ppbv   |
| 15) Acetone               | 3.90  | 43  | 113248 | 1.182 | ppbv   |
| 19) Isopropyl Alcohol     | 4.04  | 45  | 34293  | 0.555 | ppbv # |
| 26) Hexane                | 5.78  | 57  | 172730 | 2.387 | ppbv # |
| 32) 1,1,1-Trichloroethane | 6.61  | 97  | 19059  | 0.143 | ppbv   |
| 34) 2-Butanone            | 5.34  | 43  | 12628  | 0.132 | ppbv # |
| 52) Tetrachloroethene     | 11.36 | 164 | 111420 | 2.258 | ppbv   |

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

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