

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\  
 Data File : VL034540.D  
 Acq On : 31 Dec 2019 9:41  
 Operator : SY/AP  
 Sample : K6470-06DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 44-2DL

Manual Integrations  
 APPROVED

apatel  
 1/2/2020 10:50:28 AM

Quant Time: Dec 31 16:23:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 31 16:23:55 2019  
 QLast Update : Mon Dec 30 14:58:50 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1004112  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2006552  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 1931259  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.47  | 95    | 1611243  | 10.00    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.00% |

| Target Compounds         | R.T. | QIon | Response | Conc  | Units | Ovalue |
|--------------------------|------|------|----------|-------|-------|--------|
| 3) Chlorodifluoromethane | 2.96 | 51   | 62852    | 0.525 | ppbv  | 94     |
| 9) Propene               | 2.99 | 41   | 18719m   | 0.406 | ppbv  |        |
| 13) Ethanol              | 3.58 | 45   | 98075m   | 7.663 | ppbv  |        |
| 15) Acetone              | 3.84 | 43   | 198572   | 1.355 | ppbv  | 97     |
| 19) Isopropyl Alcohol    | 3.96 | 45   | 76604m   | 0.808 | ppbv  |        |
| 20) Methylene Chloride   | 4.33 | 84   | 17725m   | 0.307 | ppbv  |        |
| 34) 2-Butanone           | 5.25 | 43   | 52438m   | 0.366 | ppbv  |        |
| 53) Toluene              | 9.84 | 91   | 35461    | 0.185 | ppbv  | 99     |

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

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