

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\  
 Data File : VL033906.D  
 Acq On : 13 Jun 2019 20:44  
 Operator : SY/AP  
 Sample : K3357-01DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-2R-20190612DL

Manual Integrations  
 APPROVED

MMDadoda  
 6/17/2019 12:37:10 AM

Quant Time: Jun 14 07:06:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Jun 0  
 QLast Update : Fri Jun 07 08:53:27 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.75  | 49   | 955687   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 2258126  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.22 | 117  | 2329993  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.56  | 95    | 1875233  | 9.80     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.00% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 9) Propene                 | 3.03  | 41   | 37831    | 0.899  | ppbv   | 95     |
| 13) Ethanol                | 3.64  | 45   | 56774m   | 4.145  | ppbv   |        |
| 15) Acetone                | 3.89  | 43   | 7464992  | 53.557 | ppbv   | 90     |
| 17) tert-Butyl alcohol     | 4.35  | 59   | 110003   | 1.010  | ppbv # | 94     |
| 19) Isopropyl Alcohol      | 4.02  | 45   | 204202   | 2.565  | ppbv # | 94     |
| 20) Methylene Chloride     | 4.40  | 84   | 37754    | 0.695  | ppbv   | 92     |
| 26) Hexane                 | 5.77  | 57   | 18982    | 0.196  | ppbv # | 35     |
| 34) 2-Butanone             | 5.32  | 43   | 552444   | 4.337  | ppbv   | 100    |
| 41) Tetrahydrofuran        | 6.14  | 42   | 24561m   | 0.380  | ppbv   |        |
| 51) 2-Hexanone             | 10.27 | 43   | 37187    | 0.251  | ppbv # | 95     |
| 52) Tetrachloroethene      | 11.36 | 164  | 6242m    | 0.103  | ppbv   |        |
| 53) Toluene                | 9.93  | 91   | 38500    | 0.202  | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.91 | 105  | 50534    | 0.159  | ppbv # | 71     |

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

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