

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\  
 Data File : VL032041.D  
 Acq On : 2 Jun 2018 4:10  
 Operator : SY/AP  
 Sample : J3225-01 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2018 3:35:57 PM

Quant Time: Jun 03 23:28:54 2018  
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Jun 03 2018  
 QLast Update : Fri Jun 01 02:31:35 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.86  | 49   | 1206165  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.40  | 114  | 2230928  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.36 | 117  | 2333513  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.70  | 95    | 1896860  | 10.52    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.20% |

| Target Compounds         | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------|-------|------|----------|-------|--------|--------|
| 9) Propene               | 3.11  | 41   | 66531m   | 1.79  | ppbv   |        |
| 13) Ethanol              | 3.73  | 45   | 105678   | 7.30  | ppbv   | 100    |
| 15) Acetone              | 3.98  | 43   | 4593674  | 31.58 | ppbv   | 98     |
| 17) tert-Butyl alcohol   | 4.46  | 59   | 134236   | 1.92  | ppbv   | 96     |
| 19) Isopropyl Alcohol    | 4.12  | 45   | 77152    | 0.80  | ppbv # | 95     |
| 26) Hexane               | 5.89  | 57   | 42625m   | 0.32  | ppbv   |        |
| 27) Carbon Disulfide     | 4.72  | 76   | 136958   | 0.78  | ppbv   | 96     |
| 34) 2-Butanone           | 5.43  | 43   | 468771   | 2.67  | ppbv   | 99     |
| 38) Trichloroethene      | 8.09  | 130  | 7526m    | 0.10  | ppbv   |        |
| 50) 4-Methyl-2-Pentanone | 9.00  | 43   | 58553    | 0.34  | ppbv   | 94     |
| 51) 2-Hexanone           | 10.40 | 43   | 55149m   | 0.36  | ppbv   |        |
| 52) Tetrachloroethene    | 11.49 | 164  | 670156   | 8.61  | ppbv   | 94     |

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

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