

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\  
 Data File : VL031273.D  
 Acq On : 20 Dec 2017 16:45  
 Operator : SY/AP  
 Sample : I7005-01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP1-OUT-01

Manual Integrations  
 APPROVED

MMDadoda  
 12/22/2017 4:54:49 PM

Quant Time: Dec 22 04:27:46 2017  
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Dec 14 2017  
 QLast Update : Thu Dec 14 04:29:58 2017  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.91  | 49   | 1527288  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.45  | 114  | 3664471  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.41 | 117  | 3550043  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.75  | 95    | 2711949  | 10.74    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 107.40% |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 2) Dichlorodifluoromethane | 3.18  | 85   | 51193    | 0.40 | ppbv   | 97     |
| 3) Chlorodifluoromethane   | 3.11  | 51   | 187698   | 1.08 | ppbv   | 95     |
| 4) Chloromethane           | 3.27  | 50   | 46061    | 0.49 | ppbv   | 90     |
| 9) Propene                 | 3.14  | 41   | 74662    | 0.88 | ppbv   | 88     |
| 10) Heptane                | 8.41  | 43   | 29217    | 0.11 | ppbv   | 94     |
| 11) Trichlorofluoromethane | 4.13  | 101  | 63035    | 0.30 | ppbv   | 93     |
| 13) Ethanol                | 3.77  | 45   | 223238   | 9.08 | ppbv   | 98     |
| 15) Acetone                | 4.03  | 43   | 678879   | 3.37 | ppbv   | 91     |
| 20) Methylene Chloride     | 4.54  | 84   | 558922   | 8.38 | ppbv   | 94     |
| 26) Hexane                 | 5.93  | 57   | 1667320  | 8.54 | ppbv # | 44     |
| 30) Cyclohexane            | 7.41  | 84   | 22595m   | 0.13 | ppbv   |        |
| 34) 2-Butanone             | 5.49  | 43   | 52463    | 0.20 | ppbv   | 99     |
| 35) Carbon Tetrachloride   | 7.30  | 117  | 18676m   | 0.07 | ppbv   |        |
| 36) Benzene                | 7.16  | 78   | 115560   | 0.30 | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane | 8.16  | 57   | 103489   | 0.18 | ppbv # | 85     |
| 52) Tetrachloroethene      | 11.54 | 164  | 8029m    | 0.06 | ppbv   |        |
| 53) Toluene                | 10.12 | 91   | 221685   | 0.53 | ppbv   | 97     |
| 59) m/p-Xylene             | 13.29 | 91   | 110994m  | 0.24 | ppbv   |        |

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

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