

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\  
 Data File : VL031282.D  
 Acq On : 20 Dec 2017 23:18  
 Operator : SY/AP  
 Sample : I7005-05DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP1-SV-4DL

Manual Integrations  
 APPROVED

MMDadoda  
 12/22/2017 4:54:58 PM

Quant Time: Dec 22 05:52:00 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   | 1615336  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.45  | 114  | 3768135  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.42 | 117  | 3601662  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.75  | 95    | 2832130  | 11.06    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.60% |

| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl Chloride            | 3.40  | 62   | 43328    | 0.42   | ppbv   | 93     |
| 9) Propene                   | 3.14  | 41   | 156871   | 1.74   | ppbv   | 97     |
| 10) Heptane                  | 8.41  | 43   | 52574    | 0.19   | ppbv   | 94     |
| 13) Ethanol                  | 3.79  | 45   | 23204m   | 0.89   | ppbv   |        |
| 15) Acetone                  | 4.04  | 43   | 431088   | 2.02   | ppbv # | 57     |
| 17) tert-Butyl alcohol       | 4.53  | 59   | 18477m   | 0.15   | ppbv   |        |
| 20) Methylene Chloride       | 4.54  | 84   | 32490    | 0.46   | ppbv   | 92     |
| 22) trans-1,2-Dichloroethene | 5.11  | 96   | 129839   | 1.50   | ppbv   | 99     |
| 26) Hexane                   | 5.93  | 57   | 52518    | 0.25   | ppbv # | 12     |
| 29) Chloroform               | 6.00  | 83   | 34433    | 0.12   | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene   | 5.79  | 61   | 8264583  | 44.11  | ppbv   | 94     |
| 34) 2-Butanone               | 5.48  | 43   | 1541145  | 5.79   | ppbv   | 98     |
| 36) Benzene                  | 7.17  | 78   | 160675m  | 0.40   | ppbv   |        |
| 38) Trichloroethene          | 8.13  | 130  | 3681060  | 23.63  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane   | 8.16  | 57   | 216683   | 0.36   | ppbv # | 89     |
| 51) 2-Hexanone               | 10.47 | 43   | 135261m  | 0.44   | ppbv   |        |
| 52) Tetrachloroethene        | 11.57 | 164  | 16122619 | 109.43 | ppbv   | 94     |
| 53) Toluene                  | 10.12 | 91   | 58948    | 0.14   | ppbv   | 99     |

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

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