

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\  
 Data File : VL032540.D  
 Acq On : 25 Sep 2018 11:36  
 Operator : SY/AP  
 Sample : J5034-06  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

Manual Integrations  
 APPROVED

apatel  
 9/26/2018 5:03:59 PM

Quant Time: Sep 25 13:38:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Sep 25 2018  
 QLast Update : Tue Sep 25 05:17:15 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.79  | 49   | 1455078  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.33  | 114  | 3166951  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.28 | 117  | 3190789  | 10.00 | ppbv  | -0.02    |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|--------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2337145  | 9.71     | ppbv | -0.03  |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.10% |          |

| Target Compounds               | R.T.  | QIon | Response  | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|-----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.09  | 85   | 33058     | 0.246   | ppbv   | 94     |
| 3) Chlorodifluoromethane       | 3.03  | 51   | 63486m    | 0.525   | ppbv   |        |
| 4) Chloromethane               | 3.19  | 50   | 129802    | 1.840   | ppbv   | 97     |
| 5) Vinyl Chloride              | 3.31  | 62   | 335460    | 4.705   | ppbv   | 98     |
| 7) Chloroethane                | 3.62  | 64   | 100596    | 3.960   | ppbv   | 95     |
| 9) Propene                     | 3.06  | 41   | 106357    | 2.026   | ppbv   | 87     |
| 11) Trichlorofluoromethane     | 4.02  | 101  | 653703    | 4.086   | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.58  | 101  | 590857    | 4.518   | ppbv   | 98     |
| 13) Ethanol                    | 3.68  | 45   | 71201     | 4.512   | ppbv   | 91     |
| 15) Acetone                    | 3.93  | 43   | 1264017   | 9.897   | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.38  | 59   | 31322m    | 1.952   | ppbv   |        |
| 18) 1,1-Dichloroethene         | 4.37  | 96   | 243077    | 3.969   | ppbv   | 97     |
| 19) Isopropyl Alcohol          | 4.06  | 45   | 31052m    | 0.349   | ppbv   |        |
| 20) Methylene Chloride         | 4.43  | 84   | 232813    | 3.764   | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene   | 4.99  | 96   | 101262    | 1.754   | ppbv   | 100    |
| 24) 1,1-Dichloroethane         | 5.12  | 63   | 11628557  | 61.872  | ppbv   | 97     |
| 26) Hexane                     | 5.80  | 57   | 65914     | 0.471   | ppbv # | 40     |
| 27) Carbon Disulfide           | 4.64  | 76   | 47700     | 0.317   | ppbv # | 72     |
| 29) Chloroform                 | 5.88  | 83   | 238297    | 1.109   | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene     | 5.67  | 61   | 9113561   | 68.355  | ppbv   | 90     |
| 32) 1,1,1-Trichloroethane      | 6.66  | 97   | 17801933m | 77.771  | ppbv   |        |
| 34) 2-Butanone                 | 5.38  | 43   | 124510    | 0.660   | ppbv   | 99     |
| 35) Carbon Tetrachloride       | 7.17  | 117  | 17905     | 0.081   | ppbv   | 91     |
| 36) Benzene                    | 7.05  | 78   | 655724    | 2.562   | ppbv   | 100    |
| 38) Trichloroethene            | 8.02  | 130  | 20933339  | 213.683 | ppbv   | 92     |
| 44) 2,2,4-Trimethylpentane     | 8.04  | 57   | 196039    | 0.392   | ppbv # | 82     |
| 47) 1,1,2-Trichloroethane      | 9.65  | 97   | 106932    | 0.835   | ppbv   | 92     |
| 52) Tetrachloroethene          | 11.41 | 164  | 701114    | 7.868   | ppbv   | 98     |
| 53) Toluene                    | 9.99  | 91   | 405428    | 1.300   | ppbv   | 99     |

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

