

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\  
 Data File : VL033788.D  
 Acq On : 24 May 2019 00:43  
 Operator : SY/AP  
 Sample : K2929-04  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BPS1-SG-3005-55

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 2:53:51 AM

Quant Time: May 24 07:18:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri May 17 2019  
 QLast Update : Fri May 17 08:15:41 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 888011   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 2419066  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 2535225  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|--------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1981022  | 9.64     | ppbv | 0.00   |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.40% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.08  | 85   | 88107    | 0.471   | ppbv   | 94     |
| 3) Chlorodifluoromethane       | 3.01  | 51   | 27705m   | 0.272   | ppbv   |        |
| 4) Chloromethane               | 3.17  | 50   | 9891     | 0.170   | ppbv # | 86     |
| 9) Propene                     | 3.03  | 41   | 5303910  | 122.592 | ppbv   | 96     |
| 10) Heptane                    | 8.24  | 43   | 303211   | 2.475   | ppbv   | 98     |
| 11) Trichlorofluoromethane     | 4.00  | 101  | 144402   | 0.808   | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101  | 19230    | 0.154   | ppbv   | 100    |
| 13) Ethanol                    | 3.66  | 45   | 1375045  | 98.331  | ppbv   | 98     |
| 15) Acetone                    | 3.89  | 43   | 10036349 | 81.459  | ppbv # | 81     |
| 17) tert-Butyl alcohol         | 4.36  | 59   | 420296   | 4.219   | ppbv   | 98     |
| 20) Methylene Chloride         | 4.41  | 84   | 75815    | 1.598   | ppbv # | 89     |
| 26) Hexane                     | 5.78  | 57   | 435635   | 4.682   | ppbv # | 1      |
| 27) Carbon Disulfide           | 4.62  | 76   | 251218   | 1.968   | ppbv   | 99     |
| 29) Chloroform                 | 5.85  | 83   | 73812    | 0.431   | ppbv   | 92     |
| 30) Cyclohexane                | 7.24  | 84   | 47095m   | 0.602   | ppbv   |        |
| 32) 1,1,1-Trichloroethane      | 6.62  | 97   | 12860    | 0.075   | ppbv   | 98     |
| 34) 2-Butanone                 | 5.32  | 43   | 2759148  | 18.401  | ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.13  | 117  | 4856m    | 0.025   | ppbv   |        |
| 36) Benzene                    | 7.00  | 78   | 500767   | 2.276   | ppbv   | 99     |
| 38) Trichloroethene            | 7.96  | 130  | 3264m    | 0.040   | ppbv   |        |
| 44) 2,2,4-Trimethylpentane     | 7.98  | 57   | 100109   | 0.269   | ppbv # | 45     |
| 50) 4-Methyl-2-Pentanone       | 8.87  | 43   | 148075   | 0.642   | ppbv   | 98     |
| 51) 2-Hexanone                 | 10.26 | 43   | 262635   | 1.459   | ppbv # | 93     |
| 52) Tetrachloroethene          | 11.36 | 164  | 14539m   | 0.188   | ppbv   |        |
| 53) Toluene                    | 9.94  | 91   | 3911640  | 16.481  | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.86 | 91   | 389320   | 1.160   | ppbv   | 96     |
| 59) m/p-Xylene                 | 13.11 | 91   | 1054976  | 3.595   | ppbv   | 97     |
| 60) o-Xylene                   | 13.84 | 91   | 352407   | 1.191   | ppbv   | 96     |
| 61) Styrene                    | 13.68 | 104  | 24362    | 0.122   | ppbv   | 93     |
| 62) Isopropylbenzene           | 14.82 | 105  | 39267    | 0.099   | ppbv   | 97     |
| 72) 4-Ethyltoluene             | 15.99 | 105  | 95435    | 0.282   | ppbv   | 94     |
| 73) 1,3,5-Trimethylbenzene     | 16.15 | 105  | 56070    | 0.170   | ppbv   | 97     |
| 74) 1,2,4-Trimethylbenzene     | 16.91 | 105  | 183966   | 0.512   | ppbv # | 70     |

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

