

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\  
 Data File : VL033515.D  
 Acq On : 29 Mar 2019 23:35  
 Operator : SY/AP  
 Sample : K2042-04  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-7-NEAR-SCHOOL-ENTRANCE

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 4:03:22 AM

Quant Time: Mar 31 15:08:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Mar 2  
 QLast Update : Tue Mar 26 16:00:50 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 824348   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1887375  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1941779  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|--------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1488389  | 9.78     | ppbv | 0.00   |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.80% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.08  | 85   | 29451    | 0.245   | ppbv   | 95     |
| 4) Chloromethane               | 3.17  | 50   | 28883    | 0.575   | ppbv   | 99     |
| 7) Chloroethane                | 3.60  | 64   | 15827    | 0.862   | ppbv   | 91     |
| 9) Propene                     | 3.04  | 41   | 103954m  | 2.608   | ppbv   |        |
| 10) Heptane                    | 8.25  | 43   | 29464m   | 0.277   | ppbv   |        |
| 11) Trichlorofluoromethane     | 4.00  | 101  | 38393m   | 0.259   | ppbv   |        |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101  | 7878     | 0.079   | ppbv   | 97     |
| 13) Ethanol                    | 3.66  | 45   | 3667598  | 355.613 | ppbv   | 65     |
| 15) Acetone                    | 3.90  | 43   | 1351290  | 13.633  | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.37  | 59   | 38006    | 2.085   | ppbv # | 94     |
| 19) Isopropyl Alcohol          | 4.04  | 45   | 227375   | 3.627   | ppbv # | 1      |
| 20) Methylene Chloride         | 4.41  | 84   | 226254   | 5.377   | ppbv   | 95     |
| 26) Hexane                     | 5.78  | 57   | 308032   | 3.767   | ppbv # | 41     |
| 29) Chloroform                 | 5.84  | 83   | 23637    | 0.169   | ppbv   | 100    |
| 30) Cyclohexane                | 7.25  | 84   | 10740m   | 0.166   | ppbv   |        |
| 31) cis-1,2-Dichloroethene     | 5.64  | 61   | 9409m    | 0.116   | ppbv   |        |
| 34) 2-Butanone                 | 5.33  | 43   | 108519   | 0.957   | ppbv   | 98     |
| 35) Carbon Tetrachloride       | 7.13  | 117  | 11082    | 0.083   | ppbv # | 95     |
| 36) Benzene                    | 7.00  | 78   | 70400    | 0.445   | ppbv   | 97     |
| 38) Trichloroethene            | 7.96  | 130  | 101636   | 1.705   | ppbv   | 92     |
| 44) 2,2,4-Trimethylpentane     | 7.99  | 57   | 59644    | 0.216   | ppbv # | 70     |
| 52) Tetrachloroethene          | 11.37 | 164  | 4858m    | 0.081   | ppbv   |        |
| 53) Toluene                    | 9.94  | 91   | 920621   | 5.003   | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.86 | 91   | 30145m   | 0.116   | ppbv   |        |
| 59) m/p-Xylene                 | 13.12 | 91   | 94127m   | 0.406   | ppbv   |        |
| 60) o-Xylene                   | 13.85 | 91   | 28538    | 0.127   | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene     | 16.93 | 105  | 33352m   | 0.129   | ppbv   |        |

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

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