

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100719\  
 Data File : VL034237.D  
 Acq On : 8 Oct 2019 00:57  
 Operator : SY/AP  
 Sample : K5222-01  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 V-1

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2019 5:05:45 PM

Quant Time: Oct 09 03:54:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 18 2019  
 QLast Update : Wed Sep 18 12:53:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 1114165  | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.22  | 114  | 1867438  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.15 | 117  | 1901601  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.49  | 95    | 1678771  | 10.16    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.60% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.03  | 85   | 106765   | 0.649  | ppbv   | 93     |
| 3) Chlorodifluoromethane   | 2.97  | 51   | 66754m   | 0.511  | ppbv   |        |
| 4) Chloromethane           | 3.12  | 50   | 35824    | 0.467  | ppbv   | 92     |
| 5) Vinyl Chloride          | 3.24  | 62   | 27364m   | 0.390  | ppbv   |        |
| 9) Propene                 | 2.99  | 41   | 748373   | 11.611 | ppbv   | 97     |
| 10) Heptane                | 8.17  | 43   | 716328   | 4.264  | ppbv   | 99     |
| 11) Trichlorofluoromethane | 3.95  | 101  | 39140    | 0.261  | ppbv   | 86     |
| 13) Ethanol                | 3.60  | 45   | 1188768  | 76.168 | ppbv   | 97     |
| 15) Acetone                | 3.84  | 43   | 1267791  | 8.490  | ppbv # | 78     |
| 19) Isopropyl Alcohol      | 3.98  | 45   | 166478   | 1.813  | ppbv # | 1      |
| 20) Methylene Chloride     | 4.35  | 84   | 333368   | 7.743  | ppbv   | 96     |
| 26) Hexane                 | 5.71  | 57   | 985054   | 8.386  | ppbv # | 48     |
| 30) Cyclohexane            | 7.17  | 84   | 304790   | 3.594  | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene | 5.57  | 61   | 33199m   | 0.277  | ppbv   |        |
| 34) 2-Butanone             | 5.27  | 43   | 183318   | 0.961  | ppbv   | 98     |
| 35) Carbon Tetrachloride   | 7.05  | 117  | 9309m    | 0.060  | ppbv   |        |
| 36) Benzene                | 6.93  | 78   | 1115304  | 5.408  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane | 7.91  | 57   | 962520   | 2.424  | ppbv # | 82     |
| 52) Tetrachloroethene      | 11.29 | 164  | 19421m   | 0.285  | ppbv   |        |
| 53) Toluene                | 9.86  | 91   | 4011939  | 17.799 | ppbv   | 98     |
| 58) Ethyl Benzene          | 12.78 | 91   | 584677   | 1.906  | ppbv   | 90     |
| 59) m/p-Xylene             | 13.03 | 91   | 1454553  | 5.723  | ppbv   | 98     |
| 60) o-Xylene               | 13.76 | 91   | 513360   | 2.020  | ppbv   | 97     |
| 61) Styrene                | 13.60 | 104  | 47916m   | 0.263  | ppbv   |        |
| 72) 4-Ethyltoluene         | 15.92 | 105  | 156903m  | 0.546  | ppbv   |        |
| 73) 1,3,5-Trimethylbenzene | 16.07 | 105  | 103956   | 0.375  | ppbv   | 90     |
| 74) 1,2,4-Trimethylbenzene | 16.84 | 105  | 251965   | 0.856  | ppbv # | 71     |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100719\  
Data File : VL034237.D  
Acq On : 8 Oct 2019 00:57  
Operator : SY/AP  
Sample : K5222-01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
V-1

Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 5:05:45 PM

Quant Time: Oct 09 03:54:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep  
QLast Update : Wed Sep 18 12:53:31 2019  
Response via : Initial Calibration

