

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\  
 Data File : VL036361.D  
 Acq On : 24 Feb 2021 22:02  
 Operator : SY/AP  
 Sample : M1463-07  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 NS-1

Manual Integrations  
 APPROVED

MMDadoda  
 2/26/2021 4:17:35 PM

Quant Time: Feb 26 14:16:18 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Feb 10 16:04:02 2021  
 QLast Update : Wed Feb 10 16:04:02 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1721966  | 10.00 | ppbv  | 0.04     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 3865099  | 10.00 | ppbv  | 0.04     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 3577542  | 10.00 | ppbv  | 0.05     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2918799  | 9.92     | ppbv | 0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.20% |

| Target Compounds            | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|-----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane  | 3.05  | 85   | 52442    | 0.204   | ppbv   | 89     |
| 3) Chlorodifluoromethane    | 2.99  | 51   | 82220    | 0.384   | ppbv # | 90     |
| 4) Chloromethane            | 3.15  | 50   | 58806    | 0.569   | ppbv   | 95     |
| 9) Propene                  | 3.02  | 41   | 568157m  | 7.122   | ppbv   |        |
| 10) Heptane                 | 8.14  | 43   | 256358   | 1.090   | ppbv   | 100    |
| 11) Trichlorofluoromethane  | 3.96  | 101  | 51351    | 0.204   | ppbv   | 85     |
| 13) Ethanol                 | 3.64  | 45   | 5742961  | 383.292 | ppbv   | 89     |
| 15) Acetone                 | 3.86  | 43   | 6728167  | 31.965  | ppbv   | 100    |
| 17) tert-Butyl alcohol      | 4.33  | 59   | 124606m  | 0.763   | ppbv   |        |
| 19) Isopropyl Alcohol       | 4.00  | 45   | 4925465  | 42.237  | ppbv # | 98     |
| 20) Methylene Chloride      | 4.36  | 84   | 3690844  | 54.350  | ppbv   | 94     |
| 26) Hexane                  | 5.70  | 57   | 1210240  | 7.249   | ppbv # | 41     |
| 27) Carbon Disulfide        | 4.56  | 76   | 142007   | 0.925   | ppbv   | 94     |
| 28) Methyl tert-Butyl Ether | 5.05  | 73   | 61639m   | 0.283   | ppbv   |        |
| 29) Chloroform              | 5.77  | 83   | 3397335  | 12.630  | ppbv   | 99     |
| 30) Cyclohexane             | 7.15  | 84   | 43321    | 0.312   | ppbv # | 83     |
| 34) 2-Butanone              | 5.27  | 43   | 162752   | 0.634   | ppbv   | 96     |
| 35) Carbon Tetrachloride    | 7.03  | 117  | 22402m   | 0.086   | ppbv   |        |
| 36) Benzene                 | 6.91  | 78   | 147428   | 0.449   | ppbv   | 94     |
| 42) Bromodichloromethane    | 7.82  | 83   | 78541m   | 0.289   | ppbv   |        |
| 44) 2,2,4-Trimethylpentane  | 7.89  | 57   | 1532459  | 2.567   | ppbv   | 91     |
| 52) Tetrachloroethene       | 11.24 | 164  | 8576m    | 0.071   | ppbv   |        |
| 53) Toluene                 | 9.82  | 91   | 2287768  | 6.433   | ppbv   | 100    |
| 58) Ethyl Benzene           | 12.73 | 91   | 555588   | 1.134   | ppbv   | 92     |
| 59) m/p-Xylene              | 12.99 | 91   | 1463072  | 3.400   | ppbv   | 96     |
| 60) o-Xylene                | 13.71 | 91   | 532974   | 1.295   | ppbv   | 99     |
| 65) tert-Butylbenzene       | 16.78 | 119  | 58522m   | 0.111   | ppbv   |        |
| 72) 4-Ethyltoluene          | 15.86 | 105  | 162935   | 0.356   | ppbv   | 95     |
| 73) 1,3,5-Trimethylbenzene  | 16.02 | 105  | 121092m  | 0.273   | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene  | 16.79 | 105  | 541500m  | 1.195   | ppbv   |        |

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

