

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\  
 Data File : VL035090.D  
 Acq On : 22 May 2020 18:44  
 Operator : SY/AP  
 Sample : L2739-04  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AA-1

Quant Time: May 23 02:36:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1005558  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2377480  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2256703  | 10.00 | ppbv  | -0.02    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1927090  | 10.55    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.50% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.00  | 85   | 35192    | 0.247  | ppbv   | 100    |
| 3) Chlorodifluoromethane   | 2.94  | 51   | 34398m   | 0.300  | ppbv   |        |
| 4) Chloromethane           | 3.09  | 50   | 37654    | 0.572  | ppbv   | 94     |
| 9) Propene                 | 2.97  | 41   | 23527    | 0.472  | ppbv   | 87     |
| 10) Heptane                | 8.12  | 43   | 46721    | 0.374  | ppbv   | 91     |
| 11) Trichlorofluoromethane | 3.91  | 101  | 41448    | 0.282  | ppbv   | 97     |
| 13) Ethanol                | 3.56  | 45   | 1070364  | 65.111 | ppbv   | 98     |
| 15) Acetone                | 3.82  | 43   | 412574   | 3.103  | ppbv # | 70     |
| 17) tert-Butyl alcohol     | 4.27  | 59   | 28581    | 0.242  | ppbv # | 71     |
| 19) Isopropyl Alcohol      | 3.93  | 45   | 1416372  | 15.976 | ppbv   | 99     |
| 20) Methylene Chloride     | 4.31  | 84   | 53725    | 1.221  | ppbv   | 89     |
| 26) Hexane                 | 5.67  | 57   | 170608   | 1.762  | ppbv   | 82     |
| 30) Cyclohexane            | 7.11  | 84   | 15261m   | 0.204  | ppbv   |        |
| 34) 2-Butanone             | 5.22  | 43   | 94020    | 0.636  | ppbv   | 98     |
| 35) Carbon Tetrachloride   | 7.02  | 117  | 10169m   | 0.068  | ppbv   |        |
| 36) Benzene                | 6.88  | 78   | 53934    | 0.275  | ppbv # | 90     |
| 38) Trichloroethene        | 7.83  | 130  | 4534m    | 0.060  | ppbv   |        |
| 39) 1,2-Dichloropropane    | 7.60  | 63   | 9891m    | 0.126  | ppbv   |        |
| 44) 2,2,4-Trimethylpentane | 7.87  | 57   | 58175m   | 0.167  | ppbv   |        |
| 50) 4-Methyl-2-Pentanone   | 8.75  | 43   | 76070    | 0.361  | ppbv   | 98     |
| 52) Tetrachloroethene      | 11.24 | 164  | 34923m   | 0.501  | ppbv   |        |
| 53) Toluene                | 9.82  | 91   | 3215174  | 15.473 | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.73 | 91   | 314593   | 1.127  | ppbv   | 93     |
| 59) m/p-Xylene             | 12.99 | 91   | 242516m  | 0.988  | ppbv   |        |
| 60) o-Xylene               | 13.71 | 91   | 87250    | 0.360  | ppbv   | 96     |
| 61) Styrene                | 13.55 | 104  | 122502   | 0.799  | ppbv   | 98     |

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

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