

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\  
 Data File : VL035432.D  
 Acq On : 18 Aug 2020 1:09  
 Operator : SY/AP  
 Sample : L3699-02  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 K-1

Manual Integrations  
 APPROVED

MMDadoda  
 8/20/2020 11:05:58 AM

Quant Time: Aug 19 16:19:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Aug 18 2020  
 QLast Update : Mon Aug 17 19:28:30 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1095449  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 4862742  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 4853540  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 3537889  | 10.41    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.10% |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.05  | 85   | 47634    | 0.235   | ppbv   | 100    |
| 3) Chlorodifluoromethane       | 2.99  | 51   | 144036m  | 1.049   | ppbv   |        |
| 4) Chloromethane               | 3.14  | 50   | 34008    | 0.475   | ppbv   | 90     |
| 9) Propene                     | 3.02  | 41   | 541369   | 9.806   | ppbv # | 73     |
| 10) Heptane                    | 8.14  | 43   | 477161   | 3.296   | ppbv # | 82     |
| 11) Trichlorofluoromethane     | 3.96  | 101  | 176406   | 0.554   | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.50  | 101  | 17485    | 0.074   | ppbv # | 81     |
| 13) Ethanol                    | 3.65  | 45   | 9739194  | 481.498 | ppbv   | 90     |
| 15) Acetone                    | 3.85  | 43   | 6196809  | 49.148  | ppbv # | 74     |
| 17) tert-Butyl alcohol         | 4.34  | 59   | 124547   | 0.764   | ppbv # | 71     |
| 20) Methylene Chloride         | 4.36  | 84   | 204702   | 2.012   | ppbv # | 62     |
| 26) Hexane                     | 5.70  | 57   | 436254   | 3.151   | ppbv # | 32     |
| 27) Carbon Disulfide           | 4.56  | 76   | 4673003  | 23.348  | ppbv # | 86     |
| 29) Chloroform                 | 5.77  | 83   | 4953872  | 17.807  | ppbv   | 92     |
| 30) Cyclohexane                | 7.15  | 84   | 135733   | 0.884   | ppbv # | 65     |
| 32) 1,1,1-Trichloroethane      | 6.53  | 97   | 85301    | 0.327   | ppbv # | 92     |
| 34) 2-Butanone                 | 5.26  | 43   | 1326067  | 8.162   | ppbv # | 74     |
| 35) Carbon Tetrachloride       | 7.04  | 117  | 12317m   | 0.048   | ppbv   |        |
| 36) Benzene                    | 6.91  | 78   | 341447   | 0.957   | ppbv # | 89     |
| 38) Trichloroethene            | 7.86  | 130  | 12839    | 0.065   | ppbv # | 77     |
| 40) 1,4-Dioxane                | 7.86  | 88   | 45001    | 0.702   | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane     | 7.89  | 57   | 489016   | 1.049   | ppbv # | 88     |
| 50) 4-Methyl-2-Pentanone       | 8.78  | 43   | 142600   | 0.612   | ppbv # | 83     |
| 52) Tetrachloroethene          | 11.25 | 164  | 331863   | 1.524   | ppbv # | 82     |
| 53) Toluene                    | 9.83  | 91   | 2762196  | 6.009   | ppbv   | 100    |
| 58) Ethyl Benzene              | 12.74 | 91   | 1664806  | 2.841   | ppbv   | 92     |
| 59) m/p-Xylene                 | 13.00 | 91   | 4539331  | 9.165   | ppbv # | 81     |
| 60) o-Xylene                   | 13.72 | 91   | 2225124  | 4.623   | ppbv   | 88     |
| 61) Styrene                    | 13.56 | 104  | 34413    | 0.088   | ppbv   | 91     |
| 62) Isopropylbenzene           | 14.70 | 105  | 381187   | 0.483   | ppbv   | 95     |
| 64) n-propylbenzene            | 15.60 | 120  | 696093   | 2.863   | ppbv # | 63     |
| 65) tert-Butylbenzene          | 16.80 | 119  | 1526015  | 1.991   | ppbv # | 90     |
| 67) sec-Butylbenzene           | 17.33 | 105  | 282134   | 0.280   | ppbv   | 94     |
| 69) p-Isopropyltoluene         | 17.69 | 119  | 303278   | 0.339   | ppbv # | 83     |
| 70) n-Butylbenzene             | 18.59 | 91   | 965782   | 1.142   | ppbv # | 49     |
| 72) 4-Ethyltoluene             | 15.88 | 105  | 3626962  | 5.741   | ppbv # | 91     |
| 73) 1,3,5-Trimethylbenzene     | 16.03 | 105  | 3374690  | 5.741   | ppbv # | 85     |
| 74) 1,2,4-Trimethylbenzene     | 16.80 | 105  | 9945441  | 15.572  | ppbv # | 68     |
| 79) Naphthalene                | 22.25 | 128  | 1835243  | 2.041   | ppbv   | 98     |
| 80) Naphthalene,2-methyl-      | 25.00 | 142  | 430546   | 1.158   | ppbv   | 99     |

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QLast Update : Mon Aug 17 19:28:30 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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