

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\  
 Data File : VL035864.D  
 Acq On : 5 Nov 2020 17:38  
 Operator : SY/AP  
 Sample : L4220-07 2X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2

Manual Integrations  
 APPROVED

MMDadoda  
 11/9/2020 1:38:38 PM

Quant Time: Nov 08 14:12:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 0  
 QLast Update : Wed Nov 04 02:40:06 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1146345  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 4546161  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 4325679  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 3179941  | 10.35    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.50% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.02  | 85   | 29419    | 0.136  | ppbv   | 94     |
| 3) Chlorodifluoromethane   | 2.97  | 51   | 25963    | 0.189  | ppbv # | 89     |
| 9) Propene                 | 3.00  | 41   | 167835m  | 3.340  | ppbv   |        |
| 10) Heptane                | 8.10  | 43   | 1461116  | 10.528 | ppbv   | 99     |
| 11) Trichlorofluoromethane | 3.93  | 101  | 31436    | 0.116  | ppbv   | 99     |
| 13) Ethanol                | 3.59  | 45   | 12696m   | 1.165  | ppbv   |        |
| 15) Acetone                | 3.83  | 43   | 900834m  | 7.350  | ppbv   |        |
| 20) Methylene Chloride     | 4.32  | 84   | 91959    | 1.066  | ppbv   | 94     |
| 26) Hexane                 | 5.66  | 57   | 1906050  | 14.315 | ppbv # | 45     |
| 27) Carbon Disulfide       | 4.53  | 76   | 271782   | 1.362  | ppbv   | 99     |
| 29) Chloroform             | 5.73  | 83   | 64318    | 0.246  | ppbv   | 89     |
| 30) Cyclohexane            | 7.11  | 84   | 164923   | 1.137  | ppbv # | 79     |
| 34) 2-Butanone             | 5.23  | 43   | 55705    | 0.378  | ppbv # | 81     |
| 36) Benzene                | 6.86  | 78   | 188125   | 0.557  | ppbv   | 94     |
| 52) Tetrachloroethene      | 11.20 | 164  | 161024   | 1.006  | ppbv   | 98     |
| 53) Toluene                | 9.78  | 91   | 571796   | 1.402  | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.68 | 91   | 249712   | 0.474  | ppbv   | 90     |
| 59) m/p-Xylene             | 12.95 | 91   | 622215   | 1.396  | ppbv   | 99     |
| 60) o-Xylene               | 13.67 | 91   | 258983   | 0.597  | ppbv   | 97     |
| 64) n-propylbenzene        | 15.54 | 120  | 55510    | 0.282  | ppbv # | 51     |
| 70) n-Butylbenzene         | 18.56 | 91   | 554440   | 0.835  | ppbv   | 97     |
| 72) 4-Ethyltoluene         | 15.82 | 105  | 115331   | 0.219  | ppbv # | 91     |
| 73) 1,3,5-Trimethylbenzene | 15.98 | 105  | 66648m   | 0.138  | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.75 | 105  | 273991m  | 0.531  | ppbv   |        |

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

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