

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\  
 Data File : VL034831.D  
 Acq On : 7 Mar 2020 1:39  
 Operator : SY/AP  
 Sample : L1698-06DL2 1200X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-3-4DL2

Manual Integrations  
 APPROVED

MMDadoda  
 3/9/2020 9:21:20 AM

Quant Time: Mar 07 09:59:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Mar 0  
 QLast Update : Wed Mar 04 06:36:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 910184   | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2083554  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 2043937  | 10.00 | ppbv  | -0.03    |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 1643091  | 9.64     | ppbv | -0.03  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.40% |

| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl Chloride            | 3.22  | 62   | 584535   | 9.907  | ppbv   | 97     |
| 9) Propene                   | 2.97  | 41   | 70101    | 1.717  | ppbv   | 98     |
| 10) Heptane                  | 8.14  | 43   | 260652   | 2.513  | ppbv # | 27     |
| 17) tert-Butyl alcohol       | 4.29  | 59   | 48306    | 0.562  | ppbv   | 94     |
| 19) Isopropyl Alcohol        | 3.97  | 45   | 29014    | 0.444  | ppbv # | 1      |
| 20) Methylene Chloride       | 4.32  | 84   | 25890    | 0.666  | ppbv   | 94     |
| 22) trans-1,2-Dichloroethene | 4.87  | 96   | 22392m   | 0.567  | ppbv   |        |
| 26) Hexane                   | 5.68  | 57   | 336380   | 4.088  | ppbv # | 42     |
| 27) Carbon Disulfide         | 4.53  | 76   | 63393m   | 0.659  | ppbv   |        |
| 30) Cyclohexane              | 7.13  | 84   | 73660    | 1.170  | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene   | 5.54  | 61   | 827947   | 9.810  | ppbv   | 98     |
| 36) Benzene                  | 6.89  | 78   | 1032542  | 5.799  | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane   | 7.88  | 57   | 471680   | 1.516  | ppbv # | 71     |
| 53) Toluene                  | 9.83  | 91   | 482016   | 2.558  | ppbv   | 97     |
| 58) Ethyl Benzene            | 12.74 | 91   | 1315603  | 5.223  | ppbv   | 94     |
| 59) m/p-Xylene               | 13.00 | 91   | 3756029  | 17.226 | ppbv   | 95     |
| 60) o-Xylene                 | 13.72 | 91   | 1254911  | 5.688  | ppbv   | 98     |

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

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