

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\  
 Data File : VL032894.D  
 Acq On : 5 Dec 2018 2:38  
 Operator : SY/AP  
 Sample : J6176-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MMSV-08

Manual Integrations  
 APPROVED

MMDadoda  
 12/10/2018 1:01:35 PM

Quant Time: Dec 05 15:52:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Nov 14 07:00:23 2018  
 QLast Update : Wed Nov 14 07:00:23 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1294746  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3478782  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 3485920  | 10.00 | ppbv  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 2511082  | 9.63     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.30% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.08  | 85   | 85892    | 0.462  | ppbv   | 95     |
| 3) Chlorodifluoromethane   | 3.06  | 51   | 952720   | 9.281  | ppbv # | 56     |
| 4) Chloromethane           | 3.17  | 50   | 13583    | 0.239  | ppbv   | 89     |
| 9) Propene                 | 3.04  | 41   | 919928   | 22.395 | ppbv   | 98     |
| 10) Heptane                | 8.25  | 43   | 52812    | 0.337  | ppbv   | 99     |
| 11) Trichlorofluoromethane | 4.01  | 101  | 38093    | 0.217  | ppbv # | 83     |
| 13) Ethanol                | 3.66  | 45   | 700727m  | 52.080 | ppbv   |        |
| 15) Acetone                | 3.90  | 43   | 4452863  | 37.660 | ppbv # | 73     |
| 20) Methylene Chloride     | 4.42  | 84   | 169515   | 2.769  | ppbv   | 98     |
| 27) Carbon Disulfide       | 4.62  | 76   | 597102   | 3.839  | ppbv   | 98     |
| 29) Chloroform             | 5.86  | 83   | 35533m   | 0.163  | ppbv   |        |
| 34) 2-Butanone             | 5.33  | 43   | 14878340 | 82.460 | ppbv # | 89     |
| 35) Carbon Tetrachloride   | 7.15  | 117  | 16394m   | 0.059  | ppbv   |        |
| 36) Benzene                | 7.01  | 78   | 386277   | 1.394  | ppbv   | 95     |
| 38) Trichloroethene        | 7.97  | 130  | 9003m    | 0.080  | ppbv   |        |
| 51) 2-Hexanone             | 10.27 | 43   | 1957526  | 10.782 | ppbv # | 98     |
| 52) Tetrachloroethene      | 11.38 | 164  | 16672m   | 0.173  | ppbv   |        |
| 53) Toluene                | 9.95  | 91   | 528659   | 1.829  | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.87 | 91   | 110958   | 0.264  | ppbv   | 95     |
| 59) m/p-Xylene             | 13.13 | 91   | 276395m  | 0.740  | ppbv   |        |
| 60) o-Xylene               | 13.85 | 91   | 126111m  | 0.336  | ppbv   |        |
| 61) Styrene                | 13.69 | 104  | 70809    | 0.290  | ppbv   | 96     |
| 74) 1,2,4-Trimethylbenzene | 16.93 | 105  | 98873    | 0.230  | ppbv # | 65     |

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

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